

GW - _____28_____

MONITORING REPORTS

DATE:

**2006 Annual
GW Report (5/5)**



e-Lab Analytical, Inc.

10450 Standliff Rd, Suite 210 Houston, Texas 77099-4338 (281) 530-5656 Fax (281) 530-5887

January 05, 2007

Darrell Moore
Navajo Refining Company
P.O. Box 159
Artesia, New Mexico 88211

Tel: (505) 746-5281
Fax: (505) 746-5421

Re: Artesia

Work Order : **0612430**

Dear Darrell Moore,

e-Lab Analytical, Inc. received 21 samples on 12/22/2006 11:10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by e-Lab Analytical, Inc. and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by e-Lab Analytical, Inc. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 85.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Jeffrey L Croston

Electronically approved by: Odette E. Elliston

Jeffrey L Croston
Project Manager



Certificate No: T104704231-06-TX

e-Lab Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company

Project: Artesia

Work Order: 0612430

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
0612430-01	TEL #4	Water		12/20/2006 10:45	12/22/2006 11:10	☐
0612430-02	TEL #1	Water		12/20/2006 11:40	12/22/2006 11:10	☐
0612430-03	TEL #2	Water		12/20/2006 11:55	12/22/2006 11:10	☐
0612430-04	MW-49	Water		12/20/2006 12:43	12/22/2006 11:10	☐
0612430-05	MW-55	Water		12/20/2006 14:20	12/22/2006 11:10	☐
0612430-06	MW-18	Water		12/20/2006 15:25	12/22/2006 11:10	☐
0612430-07	MW-62	Water		12/21/2006 11:22	12/22/2006 11:10	☐
0612430-08	MW-43	Water		12/21/2006 12:20	12/22/2006 11:10	☐
0612430-09	MW-23	Water		12/21/2006 13:00	12/22/2006 11:10	☐
0612430-10	MW-42	Water		12/21/2006 13:30	12/22/2006 11:10	☐
0612430-11	Duplicate #6	Water		12/21/2006	12/22/2006 11:10	☐
0612430-12	Duplicate #7	Water		12/21/2006	12/22/2006 11:10	☐
0612430-13	Duplicate #8	Water		12/21/2006	12/22/2006 11:10	☐
0612430-14	Field Blank	Water		12/20/2006 15:32	12/22/2006 11:10	☐
0612430-15	Field Blank (12/21)	Water		12/21/2006 13:41	12/22/2006 11:10	☐
0612430-16	Equipment Blank	Water		12/20/2006 15:37	12/22/2006 11:10	☐
0612430-17	Equipment Blank (12/21)	Water		12/21/2006 13:37	12/22/2006 11:10	☐
0612430-18	Trip Blank 1991	Water		12/21/2006 15:37	12/22/2006 11:10	☒
0612430-19	Trip Blank 1319	Water		12/21/2006 15:37	12/22/2006 11:10	☒
0612430-20	Trip Blank 0354	Water		12/21/2006 15:37	12/22/2006 11:10	☒
0612430-21	Trip Blank 1415	Water		12/21/2006 15:37	12/22/2006 11:10	☒

CLIENT: Navajo Refining Company

Project: Artesia

Work Order: 0612430

Case Narrative

Samples for pH were received outside of the recommended holding time.

DRO had several samples where the surrogate was diluted out of the samples.

Batch 21383 (sample MW-55) MS/MSD and RPD recoveries were outside of control limits for several elements. All recoveries met method criteria in the LCS.

Batch R45527 Volatiles (sample TEL #1) MS/MSD recoveries were above the control limits for Naphthalene (125% and 127%). RPD's within control limits.

Batch R45550 Volatiles (sample TEL #2) MS/MSD recoveries were below the control limits for Benzene (71.4% and 67.4%). RPD's within control limits.

Batch R45506 Anions (sample MW-62) MS/MSD recoveries were below the control limits for Chloride (72.3% MS only) and Sulfate (10.4% and 17.1%). RPD's within control limits.

e-Lab Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-01

Client Sample ID: TEL #4
Collection Date: 12/20/2006 10:45:00 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	8.4		0.26	mg/L	5	12/26/2006 Analyst: JBA
Surr: 2-Fluorobiphenyl	176	S	70-130	%REC	5	1/3/2007 11:27:00 PM
GASOLINE RANGE ORGANICS						
Gasoline Range Organics	5.28		0.0500	mg/L	1	12/29/2006 6:34:00 PM Analyst: RKG
Surr: 4-Bromofluorobenzene	91.9		70-130	%REC	1	12/29/2006 6:34:00 PM
MERCURY, TOTAL						
Mercury	ND		0.000200	mg/L	1	1/2/2007 4:39:50 PM Analyst: JCJ
ICP METALS, TOTAL						
Aluminum	0.386		0.0100	mg/L	1	12/26/2006 Analyst: ALR
Arsenic	0.0205		0.00500	mg/L	1	12/30/2006 11:19:00 PM
Barium	0.0709		0.00500	mg/L	1	12/30/2006 11:19:00 PM
Beryllium	ND		0.00200	mg/L	1	12/30/2006 11:19:00 PM
Boron	1.26		0.0200	mg/L	1	12/30/2006 11:19:00 PM
Cadmium	ND		0.00200	mg/L	1	12/30/2006 11:19:00 PM
Calcium	390		50.0	mg/L	100	1/2/2007 11:40:00 PM
Chromium	0.0573		0.00500	mg/L	1	12/30/2006 11:19:00 PM
Cobalt	ND		0.00500	mg/L	1	12/30/2006 11:19:00 PM
Copper	ND		0.00500	mg/L	1	12/30/2006 11:19:00 PM
Iron	0.825		0.200	mg/L	1	12/30/2006 11:19:00 PM
Lead	0.00518		0.00500	mg/L	1	12/30/2006 11:19:00 PM
Magnesium	625		20.0	mg/L	100	1/2/2007 11:40:00 PM
Manganese	0.888		0.00500	mg/L	1	12/30/2006 11:19:00 PM
Molybdenum	0.0382		0.00500	mg/L	1	12/30/2006 11:19:00 PM
Nickel	0.0213		0.00500	mg/L	1	12/30/2006 11:19:00 PM
Potassium	1.06		0.200	mg/L	1	12/30/2006 11:19:00 PM
Selenium	0.0132		0.00500	mg/L	1	12/30/2006 11:19:00 PM
Silver	ND		0.00500	mg/L	1	12/30/2006 11:19:00 PM
Sodium	708		20.0	mg/L	100	1/2/2007 11:40:00 PM
Vanadium	ND		0.00500	mg/L	1	12/30/2006 11:19:00 PM
Zinc	0.0210		0.00500	mg/L	1	1/3/2007 3:49:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		5.0	µg/L	1	12/26/2006 Analyst: PC
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
1,2,4-Trimethylbenzene	190		5.0	µg/L	1	1/2/2007 5:13:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company

Client Sample ID: TEL #4

Work Order: 0612430

Collection Date: 12/20/2006 10:45:00 AM

Project: Artesia

Lab ID: 0612430-01

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dibromoethane	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
2-Butanone	ND		10	µg/L	1	1/2/2007 5:13:00 PM
2-Hexanone	ND		10	µg/L	1	1/2/2007 5:13:00 PM
4-Isopropyltoluene	8.0		5.0	µg/L	1	1/2/2007 5:13:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/2/2007 5:13:00 PM
Acetone	ND		10	µg/L	1	1/2/2007 5:13:00 PM
Benzene	1,000		50	µg/L	10	1/2/2007 6:53:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
Bromoform	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
Bromomethane	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
Carbon disulfide	ND		10	µg/L	1	1/2/2007 5:13:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
Chloroethane	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
Chloroform	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
Chloromethane	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
Ethylbenzene	70		5.0	µg/L	1	1/2/2007 5:13:00 PM
Isopropylbenzene	58		5.0	µg/L	1	1/2/2007 5:13:00 PM
m,p-Xylene	180		10	µg/L	1	1/2/2007 5:13:00 PM
Methyl tert-butyl ether	39		5.0	µg/L	1	1/2/2007 5:13:00 PM
Methylene chloride	ND		10	µg/L	1	1/2/2007 5:13:00 PM
n-Butylbenzene	13		5.0	µg/L	1	1/2/2007 5:13:00 PM
n-Propylbenzene	77		5.0	µg/L	1	1/2/2007 5:13:00 PM
Naphthalene	14		5.0	µg/L	1	1/2/2007 5:13:00 PM
o-Xylene	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
sec-Butylbenzene	16		5.0	µg/L	1	1/2/2007 5:13:00 PM
Styrene	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
Toluene	15		5.0	µg/L	1	1/2/2007 5:13:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/2/2007 5:13:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/2/2007 5:13:00 PM
Xylenes, Total	180		15	µg/L	1	1/2/2007 5:13:00 PM
Surr: 1,2-Dichloroethane-d4	80.8		70-125	%REC	10	1/2/2007 6:53:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

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P - Dual Column results percent difference > 40%

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

H - Analyzed outside of Hold Time

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e-Lab Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-01

Client Sample ID: TEL #4
Collection Date: 12/20/2006 10:45:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 1,2-Dichloroethane-d4	82.9		70-125	%REC	1	1/2/2007 5:13:00 PM
Surr: 4-Bromofluorobenzene	82.8		72.4-125	%REC	10	1/2/2007 6:53:00 PM
Surr: 4-Bromofluorobenzene	81.2		72.4-125	%REC	1	1/2/2007 5:13:00 PM
Surr: Dibromofluoromethane	83.9		71.2-125	%REC	1	1/2/2007 5:13:00 PM
Surr: Dibromofluoromethane	82.7		71.2-125	%REC	10	1/2/2007 6:53:00 PM
Surr: Toluene-d8	90.4		75-125	%REC	1	1/2/2007 5:13:00 PM
Surr: Toluene-d8	92.0		75-125	%REC	10	1/2/2007 6:53:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	612		10.0	mg/L	20	12/30/2006 4:17:00 PM
Fluoride	2.44		0.100	mg/L	1	12/30/2006 6:24:00 AM
Sulfate	4,160		100	mg/L	100	12/30/2006 4:39:00 PM
Nitrate/Nitrite (as N)	1.08		0.500	mg/L	5	12/28/2006 5:05:00 AM
Surr: Selenate (surr)	102		80-120	%REC	5	12/28/2006 5:05:00 AM
Surr: Selenate (surr)	93.9		80-120	%REC	100	12/30/2006 4:39:00 PM
Surr: Selenate (surr)	85.9		80-120	%REC	1	12/30/2006 6:24:00 AM
Surr: Selenate (surr)	95.3		80-120	%REC	20	12/30/2006 4:17:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	588		5.00	mg/L	1	12/27/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Total (As CaCO3)	288		5.00	mg/L	1	12/27/2006
PH			E150.1			Analyst: MAM
pH	6.80	H	0.100	pH units	1	12/22/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	7,740		10.0	mg/L	1	12/22/2006

Qualifiers: ND - Not Detected at the Reporting Limit
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P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-02

Client Sample ID: TEL #1
Collection Date: 12/20/2006 11:40:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			SW8015M			Prep Date: 12/26/2006 Analyst: JBA
TPH (Diesel Range)	3.6		0.25	mg/L	5	1/4/2007 12:07:00 PM
Surr: 2-Fluorobiphenyl	128		70-130	%REC	5	1/4/2007 12:07:00 PM
GASOLINE RANGE ORGANICS			SW8015			Analyst: RKG
Gasoline Range Organics	0.380		0.0500	mg/L	1	12/29/2006 6:57:00 PM
Surr: 4-Bromofluorobenzene	89.2		70-130	%REC	1	12/29/2006 6:57:00 PM
MERCURY, TOTAL			SW7470			Prep Date: 1/2/2007 Analyst: JCJ
Mercury	ND		0.000200	mg/L	1	1/2/2007 4:42:18 PM
ICP METALS, TOTAL			SW6020			Prep Date: 12/26/2006 Analyst: ALR
Aluminum	0.0310		0.0100	mg/L	1	12/30/2006 11:24:00 PM
Arsenic	0.00754		0.00500	mg/L	1	12/30/2006 11:24:00 PM
Barium	0.0118		0.00500	mg/L	1	12/30/2006 11:24:00 PM
Beryllium	ND		0.00200	mg/L	1	12/30/2006 11:24:00 PM
Boron	0.550		0.0200	mg/L	1	12/30/2006 11:24:00 PM
Cadmium	ND		0.00200	mg/L	1	12/30/2006 11:24:00 PM
Calcium	460		50.0	mg/L	100	1/2/2007 11:46:00 PM
Chromium	ND		0.00500	mg/L	1	12/30/2006 11:24:00 PM
Cobalt	ND		0.00500	mg/L	1	12/30/2006 11:24:00 PM
Copper	ND		0.00500	mg/L	1	12/30/2006 11:24:00 PM
Iron	ND		0.200	mg/L	1	12/30/2006 11:24:00 PM
Lead	ND		0.00500	mg/L	1	12/30/2006 11:24:00 PM
Magnesium	160		0.200	mg/L	1	12/30/2006 11:24:00 PM
Manganese	0.192		0.00500	mg/L	1	12/30/2006 11:24:00 PM
Molybdenum	ND		0.00500	mg/L	1	12/30/2006 11:24:00 PM
Nickel	0.00645		0.00500	mg/L	1	12/30/2006 11:24:00 PM
Potassium	1.34		0.200	mg/L	1	12/30/2006 11:24:00 PM
Selenium	ND		0.00500	mg/L	1	12/30/2006 11:24:00 PM
Silver	ND		0.00500	mg/L	1	12/30/2006 11:24:00 PM
Sodium	266		20.0	mg/L	100	1/2/2007 11:46:00 PM
Vanadium	ND		0.00500	mg/L	1	12/30/2006 11:24:00 PM
Zinc	0.00648		0.00500	mg/L	1	1/3/2007 3:55:00 AM
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 4:48:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company

Client Sample ID: TEL #1

Work Order: 0612430

Collection Date: 12/20/2006 11:40:00 AM

Project: Artesia

Lab ID: 0612430-02

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dibromoethane	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
2-Butanone	ND		10	µg/L	1	1/2/2007 4:48:00 PM
2-Hexanone	ND		10	µg/L	1	1/2/2007 4:48:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/2/2007 4:48:00 PM
Acetone	ND		10	µg/L	1	1/2/2007 4:48:00 PM
Benzene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Bromoform	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Bromomethane	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Carbon disulfide	ND		10	µg/L	1	1/2/2007 4:48:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Chloroethane	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Chloroform	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Chloromethane	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Isopropylbenzene	19		5.0	µg/L	1	1/2/2007 4:48:00 PM
m,p-Xylene	ND		10	µg/L	1	1/2/2007 4:48:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Methylene chloride	ND		10	µg/L	1	1/2/2007 4:48:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Naphthalene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
o-Xylene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
sec-Butylbenzene	6.7		5.0	µg/L	1	1/2/2007 4:48:00 PM
Styrene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Toluene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/2/2007 4:48:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/2/2007 4:48:00 PM
Xylenes, Total	ND		15	µg/L	1	1/2/2007 4:48:00 PM
Surr: 1,2-Dichloroethane-d4	87.3		70-125	%REC	1	1/2/2007 4:48:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

P - Dual Column results percent difference > 40%

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

H - Analyzed outside of Hold Time

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e-Lab Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-02

Client Sample ID: TEL #1
Collection Date: 12/20/2006 11:40:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	85.1		72.4-125	%REC	1	1/2/2007 4:48:00 PM
Surr: Dibromofluoromethane	84.0		71.2-125	%REC	1	1/2/2007 4:48:00 PM
Surr: Toluene-d8	88.7		75-125	%REC	1	1/2/2007 4:48:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	219		5.00	mg/L	10	12/30/2006 5:01:00 PM
Fluoride	2.55		0.100	mg/L	1	12/30/2006 6:46:00 AM
Sulfate	1,600		50.0	mg/L	50	12/30/2006 5:23:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/28/2006 5:27:00 AM
Surr: Selenate (surr)	92.1		80-120	%REC	1	12/30/2006 6:46:00 AM
Surr: Selenate (surr)	95.3		80-120	%REC	10	12/30/2006 5:01:00 PM
Surr: Selenate (surr)	104		80-120	%REC	5	12/28/2006 5:27:00 AM
Surr: Selenate (surr)	91.9		80-120	%REC	50	12/30/2006 5:23:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO ₃)	433		5.00	mg/L	1	12/27/2006
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Total (As CaCO ₃)	433		5.00	mg/L	1	12/27/2006
PH			E150.1			Analyst: MAM
pH	6.83	H	0.100	pH units	1	12/22/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	3,140		10.0	mg/L	1	12/22/2006

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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-03

Client Sample ID: TEL #2
Collection Date: 12/20/2006 11:55:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	12		0.51	mg/L	10	12/26/2006 Analyst: JBA
Surr: 2-Fluorobiphenyl	185	S	70-130	%REC	10	1/4/2007 8:42:00 AM
GASOLINE RANGE ORGANICS						
Gasoline Range Organics	6.38		0.0500	mg/L	1	12/29/2006 7:20:00 PM Analyst: RKG
Surr: 4-Bromofluorobenzene	96.3		70-130	%REC	1	12/29/2006 7:20:00 PM
MERCURY, TOTAL						
Mercury	ND		0.000200	mg/L	1	1/2/2007 4:44:18 PM Analyst: JCJ
ICP METALS, TOTAL						
Aluminum	0.0135		0.0100	mg/L	1	12/26/2006 Analyst: ALR
Arsenic	0.0149		0.00500	mg/L	1	12/30/2006 11:30:00 PM
Barium	0.0804		0.00500	mg/L	1	12/30/2006 11:30:00 PM
Beryllium	ND		0.00200	mg/L	1	12/30/2006 11:30:00 PM
Boron	0.483		0.0200	mg/L	1	12/30/2006 11:30:00 PM
Cadmium	ND		0.00200	mg/L	1	12/30/2006 11:30:00 PM
Calcium	203		25.0	mg/L	50	1/2/2007 11:52:00 PM
Chromium	ND		0.00500	mg/L	1	12/30/2006 11:30:00 PM
Cobalt	ND		0.00500	mg/L	1	12/30/2006 11:30:00 PM
Copper	ND		0.00500	mg/L	1	12/30/2006 11:30:00 PM
Iron	ND		0.200	mg/L	1	12/30/2006 11:30:00 PM
Lead	ND		0.00500	mg/L	1	12/30/2006 11:30:00 PM
Magnesium	192		10.0	mg/L	50	1/2/2007 11:52:00 PM
Manganese	0.0295		0.00500	mg/L	1	12/30/2006 11:30:00 PM
Molybdenum	ND		0.00500	mg/L	1	12/30/2006 11:30:00 PM
Nickel	ND		0.00500	mg/L	1	12/30/2006 11:30:00 PM
Potassium	1.29		0.200	mg/L	1	12/30/2006 11:30:00 PM
Selenium	ND		0.00500	mg/L	1	12/30/2006 11:30:00 PM
Silver	ND		0.00500	mg/L	1	12/30/2006 11:30:00 PM
Sodium	344		10.0	mg/L	50	1/2/2007 11:52:00 PM
Vanadium	ND		0.00500	mg/L	1	12/30/2006 11:30:00 PM
Zinc	0.00534		0.00500	mg/L	1	1/3/2007 4:01:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		5.0	µg/L	1	12/26/2006 Analyst: PC
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
1,2,4-Trimethylbenzene	180		5.0	µg/L	1	1/2/2007 10:14:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-03

Client Sample ID: TEL #2
Collection Date: 12/20/2006 11:55:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dibromoethane	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
1,3,5-Trimethylbenzene	28		5.0	µg/L	1	1/2/2007 10:14:00 PM
2-Butanone	ND		10	µg/L	1	1/2/2007 10:14:00 PM
2-Hexanone	ND		10	µg/L	1	1/2/2007 10:14:00 PM
4-Isopropyltoluene	6.7		5.0	µg/L	1	1/2/2007 10:14:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/2/2007 10:14:00 PM
Acetone	ND		10	µg/L	1	1/2/2007 10:14:00 PM
Benzene	1,800		120	µg/L	25	1/3/2007 5:09:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
Bromoform	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
Bromomethane	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
Carbon disulfide	ND		10	µg/L	1	1/2/2007 10:14:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
Chloroethane	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
Chloroform	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
Chloromethane	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
Ethylbenzene	45		5.0	µg/L	1	1/2/2007 10:14:00 PM
Isopropylbenzene	56		5.0	µg/L	1	1/2/2007 10:14:00 PM
m,p-Xylene	260		10	µg/L	1	1/2/2007 10:14:00 PM
Methyl tert-butyl ether	12		5.0	µg/L	1	1/2/2007 10:14:00 PM
Methylene chloride	ND		10	µg/L	1	1/2/2007 10:14:00 PM
n-Butylbenzene	10		5.0	µg/L	1	1/2/2007 10:14:00 PM
n-Propylbenzene	62		5.0	µg/L	1	1/2/2007 10:14:00 PM
Naphthalene	67		5.0	µg/L	1	1/2/2007 10:14:00 PM
o-Xylene	29		5.0	µg/L	1	1/2/2007 10:14:00 PM
sec-Butylbenzene	9.8		5.0	µg/L	1	1/2/2007 10:14:00 PM
Styrene	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
Toluene	120		5.0	µg/L	1	1/2/2007 10:14:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/2/2007 10:14:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/2/2007 10:14:00 PM
Xylenes, Total	280		15	µg/L	1	1/2/2007 10:14:00 PM
Surr: 1,2-Dichloroethane-d4	83.6		70-125	%REC	1	1/2/2007 10:14:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-03

Client Sample ID: TEL #2
Collection Date: 12/20/2006 11:55:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 1,2-Dichloroethane-d4	85.4		70-125	%REC	25	1/3/2007 5:09:00 PM
Surr: 4-Bromofluorobenzene	81.9		72.4-125	%REC	1	1/2/2007 10:14:00 PM
Surr: 4-Bromofluorobenzene	83.0		72.4-125	%REC	25	1/3/2007 5:09:00 PM
Surr: Dibromofluoromethane	88.2		71.2-125	%REC	1	1/2/2007 10:14:00 PM
Surr: Dibromofluoromethane	90.9		71.2-125	%REC	25	1/3/2007 5:09:00 PM
Surr: Toluene-d8	89.0		75-125	%REC	1	1/2/2007 10:14:00 PM
Surr: Toluene-d8	93.9		75-125	%REC	25	1/3/2007 5:09:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	354		10.0	mg/L	20	12/30/2006 5:45:00 PM
Fluoride	0.916		0.100	mg/L	1	12/30/2006 8:36:00 AM
Sulfate	702		20.0	mg/L	20	12/30/2006 5:45:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/28/2006 5:49:00 AM
Surr: Selenate (surr)	103		80-120	%REC	5	12/28/2006 5:49:00 AM
Surr: Selenate (surr)	92.7		80-120	%REC	20	12/30/2006 5:45:00 PM
Surr: Selenate (surr)	91.4		80-120	%REC	1	12/30/2006 8:36:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	826		5.00	mg/L	1	12/27/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Total (As CaCO3)	826		5.00	mg/L	1	12/27/2006
PH			E150.1			Analyst: MAM
pH	6.77	H	0.100	pH units	1	12/22/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	2,670		10.0	mg/L	1	12/22/2006

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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-04

Client Sample ID: MW-49
Collection Date: 12/20/2006 12:43:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			SW8015M		Prep Date: 12/26/2006	Analyst: JBA
TPH (Diesel Range)	3.2		0.10	mg/L	2	1/3/2007 8:49:00 PM
Surr: 2-Fluorobiphenyl	116		70-130	%REC	2	1/3/2007 8:49:00 PM
GASOLINE RANGE ORGANICS			SW8015			Analyst: RKG
Gasoline Range Organics	5.55		0.0500	mg/L	1	12/29/2006 7:43:00 PM
Surr: 4-Bromofluorobenzene	90.3		70-130	%REC	1	12/29/2006 7:43:00 PM
MERCURY, TOTAL			SW7470		Prep Date: 1/2/2007	Analyst: JCJ
Mercury	ND		0.000200	mg/L	1	1/2/2007 4:50:19 PM
ICP METALS, TOTAL			SW6020		Prep Date: 12/26/2006	Analyst: ALR
Aluminum	0.336		0.0100	mg/L	1	12/30/2006 11:36:00 PM
Arsenic	0.00818		0.00500	mg/L	1	12/30/2006 11:36:00 PM
Barium	0.0432		0.00500	mg/L	1	12/30/2006 11:36:00 PM
Beryllium	ND		0.00200	mg/L	1	12/30/2006 11:36:00 PM
Boron	0.546		0.0200	mg/L	1	12/30/2006 11:36:00 PM
Cadmium	ND		0.00200	mg/L	1	12/30/2006 11:36:00 PM
Calcium	190		25.0	mg/L	50	1/3/2007 12:16:00 AM
Chromium	ND		0.00500	mg/L	1	12/30/2006 11:36:00 PM
Cobalt	ND		0.00500	mg/L	1	12/30/2006 11:36:00 PM
Copper	0.00791		0.00500	mg/L	1	12/30/2006 11:36:00 PM
Iron	0.342		0.200	mg/L	1	12/30/2006 11:36:00 PM
Lead	ND		0.00500	mg/L	1	12/30/2006 11:36:00 PM
Magnesium	159		10.0	mg/L	50	1/3/2007 12:16:00 AM
Manganese	0.329		0.00500	mg/L	1	12/30/2006 11:36:00 PM
Molybdenum	ND		0.00500	mg/L	1	12/30/2006 11:36:00 PM
Nickel	0.0130		0.00500	mg/L	1	12/30/2006 11:36:00 PM
Potassium	2.02		0.200	mg/L	1	12/30/2006 11:36:00 PM
Selenium	ND		0.00500	mg/L	1	12/30/2006 11:36:00 PM
Silver	ND		0.00500	mg/L	1	12/30/2006 11:36:00 PM
Sodium	257		10.0	mg/L	50	1/3/2007 12:16:00 AM
Vanadium	ND		0.00500	mg/L	1	12/30/2006 11:36:00 PM
Zinc	0.00848		0.00500	mg/L	1	1/3/2007 4:07:00 AM
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
1,2,4-Trimethylbenzene	120		5.0	µg/L	1	1/2/2007 9:48:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company

Client Sample ID: MW-49

Work Order: 0612430

Collection Date: 12/20/2006 12:43:00 PM

Project: Artesia

Lab ID: 0612430-04

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dibromoethane	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
1,3,5-Trimethylbenzene	21		5.0	µg/L	1	1/2/2007 9:48:00 PM
2-Butanone	ND		10	µg/L	1	1/2/2007 9:48:00 PM
2-Hexanone	ND		10	µg/L	1	1/2/2007 9:48:00 PM
4-Isopropyltoluene	5.2		5.0	µg/L	1	1/2/2007 9:48:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/2/2007 9:48:00 PM
Acetone	ND		10	µg/L	1	1/2/2007 9:48:00 PM
Benzene	1,200		50	µg/L	10	1/3/2007 6:24:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
Bromoform	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
Bromomethane	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
Carbon disulfide	ND		10	µg/L	1	1/2/2007 9:48:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
Chloroethane	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
Chloroform	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
Chloromethane	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
Ethylbenzene	41		5.0	µg/L	1	1/2/2007 9:48:00 PM
Isopropylbenzene	46		5.0	µg/L	1	1/2/2007 9:48:00 PM
m,p-Xylene	160		10	µg/L	1	1/2/2007 9:48:00 PM
Methyl tert-butyl ether	97		5.0	µg/L	1	1/2/2007 9:48:00 PM
Methylene chloride	ND		10	µg/L	1	1/2/2007 9:48:00 PM
n-Butylbenzene	11		5.0	µg/L	1	1/2/2007 9:48:00 PM
n-Propylbenzene	44		5.0	µg/L	1	1/2/2007 9:48:00 PM
Naphthalene	38		5.0	µg/L	1	1/2/2007 9:48:00 PM
o-Xylene	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
sec-Butylbenzene	8.9		5.0	µg/L	1	1/2/2007 9:48:00 PM
Styrene	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
Toluene	28		5.0	µg/L	1	1/2/2007 9:48:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/2/2007 9:48:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/2/2007 9:48:00 PM
Xylenes, Total	160		15	µg/L	1	1/2/2007 9:48:00 PM
Surr: 1,2-Dichloroethane-d4	84.1		70-125	%REC	1	1/2/2007 9:48:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company

Client Sample ID: MW-49

Work Order: 0612430

Collection Date: 12/20/2006 12:43:00 PM

Project: Artesia

Lab ID: 0612430-04

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 1,2-Dichloroethane-d4	82.5		70-125	%REC	10	1/3/2007 6:24:00 PM
Surr: 4-Bromofluorobenzene	81.6		72.4-125	%REC	1	1/2/2007 9:48:00 PM
Surr: 4-Bromofluorobenzene	86.4		72.4-125	%REC	10	1/3/2007 6:24:00 PM
Surr: Dibromofluoromethane	85.6		71.2-125	%REC	1	1/2/2007 9:48:00 PM
Surr: Dibromofluoromethane	90.0		71.2-125	%REC	10	1/3/2007 6:24:00 PM
Surr: Toluene-d8	90.8		75-125	%REC	1	1/2/2007 9:48:00 PM
Surr: Toluene-d8	94.2		75-125	%REC	10	1/3/2007 6:24:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	513		10.0	mg/L	20	12/30/2006 6:07:00 PM
Fluoride	1.24		0.100	mg/L	1	12/30/2006 8:58:00 AM
Sulfate	462		20.0	mg/L	20	12/30/2006 6:07:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/28/2006 6:11:00 AM
Surr: Selenate (surr)	105		80-120	%REC	5	12/28/2006 6:11:00 AM
Surr: Selenate (surr)	92.9		80-120	%REC	20	12/30/2006 6:07:00 PM
Surr: Selenate (surr)	90.4		80-120	%REC	1	12/30/2006 8:58:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	691		5.00	mg/L	1	12/27/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Total (As CaCO3)	691		5.00	mg/L	1	12/27/2006
PH			E150.1			Analyst: MAM
pH	6.71	H	0.100	pH units	1	12/22/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	2,280		10.0	mg/L	1	12/22/2006

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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-05

Client Sample ID: MW-55
Collection Date: 12/20/2006 2:20:00 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	0.065		SW8015M	0.051	mg/L	Prep Date: 12/26/2006 Analyst: JBA
<i>Surr: 2-Fluorobiphenyl</i>	114		70-130	%REC	1	1/3/2007 9:28:00 PM
MERCURY, TOTAL						
Mercury	ND		SW7470	0.000200	mg/L	Prep Date: 1/2/2007 Analyst: JCJ
					1	1/2/2007 4:52:20 PM
ICP METALS, TOTAL						
Aluminum	0.0730		SW6020	0.0100	mg/L	Prep Date: 12/26/2006 Analyst: ALR
Arsenic	0.00984			0.00500	mg/L	12/30/2006 10:43:00 PM
Barium	0.0119			0.00500	mg/L	12/30/2006 10:43:00 PM
Beryllium	ND			0.00200	mg/L	12/30/2006 10:43:00 PM
Boron	0.648			0.0200	mg/L	12/30/2006 10:43:00 PM
Cadmium	ND			0.00200	mg/L	12/30/2006 10:43:00 PM
Calcium	500			50.0	mg/L	1/2/2007 11:16:00 PM
Chromium	ND			0.00500	mg/L	12/30/2006 10:43:00 PM
Cobalt	ND			0.00500	mg/L	12/30/2006 10:43:00 PM
Copper	ND			0.00500	mg/L	12/30/2006 10:43:00 PM
Iron	ND			0.200	mg/L	12/30/2006 10:43:00 PM
Lead	ND			0.00500	mg/L	12/30/2006 10:43:00 PM
Magnesium	299			20.0	mg/L	1/2/2007 11:16:00 PM
Manganese	0.658			0.00500	mg/L	12/30/2006 10:43:00 PM
Molybdenum	0.0286			0.00500	mg/L	12/30/2006 10:43:00 PM
Nickel	0.0116			0.00500	mg/L	12/30/2006 10:43:00 PM
Potassium	0.894			0.200	mg/L	12/30/2006 10:43:00 PM
Selenium	0.0134			0.00500	mg/L	12/30/2006 10:43:00 PM
Silver	ND			0.00500	mg/L	12/30/2006 10:43:00 PM
Sodium	219			20.0	mg/L	1/2/2007 11:16:00 PM
Vanadium	0.0162			0.00500	mg/L	12/30/2006 10:43:00 PM
Zinc	0.00768			0.00500	mg/L	1/3/2007 1:33:00 AM
VOLATILES BY GC/MS						
			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 8:58:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company

Client Sample ID: MW-55

Work Order: 0612430

Collection Date: 12/20/2006 2:20:00 PM

Project: Artesia

Lab ID: 0612430-05

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	ND		10	µg/L	1	1/2/2007 8:58:00 PM
2-Hexanone	ND		10	µg/L	1	1/2/2007 8:58:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/2/2007 8:58:00 PM
Acetone	ND		10	µg/L	1	1/2/2007 8:58:00 PM
Benzene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Bromoform	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Bromomethane	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Carbon disulfide	ND		10	µg/L	1	1/2/2007 8:58:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Chloroethane	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Chloroform	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Chloromethane	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
m,p-Xylene	ND		10	µg/L	1	1/2/2007 8:58:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Methylene chloride	ND		10	µg/L	1	1/2/2007 8:58:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Naphthalene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
o-Xylene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Styrene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Toluene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/2/2007 8:58:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/2/2007 8:58:00 PM
Xylenes, Total	ND		15	µg/L	1	1/2/2007 8:58:00 PM
Surr: 1,2-Dichloroethane-d4	89.3		70-125	%REC	1	1/2/2007 8:58:00 PM
Surr: 4-Bromofluorobenzene	78.3		72.4-125	%REC	1	1/2/2007 8:58:00 PM
Surr: Dibromofluoromethane	90.3		71.2-125	%REC	1	1/2/2007 8:58:00 PM
Surr: Toluene-d8	92.2		75-125	%REC	1	1/2/2007 8:58:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-05

Client Sample ID: MW-55
Collection Date: 12/20/2006 2:20:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	286		5.00	mg/L	10	12/30/2006 6:29:00 PM
Fluoride	0.971		0.100	mg/L	1	12/30/2006 9:20:00 AM
Sulfate	2,080		100	mg/L	100	12/30/2006 6:51:00 PM
Nitrate/Nitrite (as N)	3.71		0.500	mg/L	5	12/28/2006 6:33:00 AM
Surr: Selenate (surr)	91.3		80-120	%REC	1	12/30/2006 9:20:00 AM
Surr: Selenate (surr)	95.0		80-120	%REC	10	12/30/2006 6:29:00 PM
Surr: Selenate (surr)	104		80-120	%REC	5	12/28/2006 6:33:00 AM
Surr: Selenate (surr)	92.1		80-120	%REC	100	12/30/2006 6:51:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	341		5.00	mg/L	1	12/27/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Total (As CaCO3)	341		5.00	mg/L	1	12/27/2006
PH			E150.1			Analyst: MAM
pH	6.88	H	0.100	pH units	1	12/22/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	4,010		10.0	mg/L	1	12/22/2006

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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
 Work Order: 0612430
 Project: Artesia
 Lab ID: 0612430-06

Client Sample ID: MW-18
 Collection Date: 12/20/2006 3:25:00 PM
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	0.45		SW8015M 0.051	mg/L	1	Prep Date: 12/26/2006 Analyst: JBA 1/3/2007 10:08:00 PM
Surr: 2-Fluorobiphenyl	121		70-130	%REC	1	1/3/2007 10:08:00 PM
GASOLINE RANGE ORGANICS						
Gasoline Range Organics	ND		SW8015 0.0500	mg/L	1	Analyst: RKG 12/29/2006 8:06:00 PM
Surr: 4-Bromofluorobenzene	84.2		70-130	%REC	1	12/29/2006 8:06:00 PM
MERCURY, TOTAL						
Mercury	ND		SW7470 0.000200	mg/L	1	Prep Date: 1/2/2007 Analyst: JCJ 1/2/2007 4:54:22 PM
ICP METALS, TOTAL						
Aluminum	0.0496		SW6020 0.0100	mg/L	1	Prep Date: 12/26/2006 Analyst: ALR 12/31/2006
Arsenic	0.00699		0.00500	mg/L	1	12/31/2006
Barium	0.0122		0.00500	mg/L	1	12/31/2006
Beryllium	ND		0.00200	mg/L	1	12/31/2006
Boron	0.439		0.0200	mg/L	1	12/31/2006
Cadmium	ND		0.00200	mg/L	1	12/31/2006
Calcium	319		25.0	mg/L	50	1/3/2007 12:22:00 AM
Chromium	ND		0.00500	mg/L	1	12/31/2006
Cobalt	ND		0.00500	mg/L	1	12/31/2006
Copper	ND		0.00500	mg/L	1	12/31/2006
Iron	ND		0.200	mg/L	1	12/31/2006
Lead	ND		0.00500	mg/L	1	12/31/2006
Magnesium	167		10.0	mg/L	50	1/3/2007 12:22:00 AM
Manganese	0.109		0.00500	mg/L	1	12/31/2006
Molybdenum	0.0123		0.00500	mg/L	1	12/31/2006
Nickel	ND		0.00500	mg/L	1	12/31/2006
Potassium	1.03		0.200	mg/L	1	12/31/2006
Selenium	0.00522		0.00500	mg/L	1	12/31/2006
Silver	ND		0.00500	mg/L	1	12/31/2006
Sodium	72.5		0.200	mg/L	1	12/31/2006
Vanadium	0.0149		0.00500	mg/L	1	12/31/2006
Zinc	0.00597		0.00500	mg/L	1	1/3/2007 4:13:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		SW8260 5.0	µg/L	1	Analyst: PC 1/2/2007 9:23:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 9:23:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company

Client Sample ID: MW-18

Work Order: 0612430

Collection Date: 12/20/2006 3:25:00 PM

Project: Artesia

Lab ID: 0612430-06

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dibromoethane	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
2-Butanone	ND		10	µg/L	1	1/2/2007 9:23:00 PM
2-Hexanone	ND		10	µg/L	1	1/2/2007 9:23:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/2/2007 9:23:00 PM
Acetone	ND		10	µg/L	1	1/2/2007 9:23:00 PM
Benzene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Bromoform	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Bromomethane	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Carbon disulfide	ND		10	µg/L	1	1/2/2007 9:23:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Chloroethane	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Chloroform	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Chloromethane	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
m,p-Xylene	ND		10	µg/L	1	1/2/2007 9:23:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Methylene chloride	ND		10	µg/L	1	1/2/2007 9:23:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Naphthalene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
o-Xylene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Styrene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Toluene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/2/2007 9:23:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/2/2007 9:23:00 PM
Xylenes, Total	ND		15	µg/L	1	1/2/2007 9:23:00 PM
Surr: 1,2-Dichloroethane-d4	96.0		70-125	%REC	1	1/2/2007 9:23:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

P - Dual Column results percent difference > 40%

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

H - Analyzed outside of Hold Time

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e-Lab Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-06

Client Sample ID: MW-18
Collection Date: 12/20/2006 3:25:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	76.9		72.4-125	%REC	1	1/2/2007 9:23:00 PM
Surr: Dibromofluoromethane	99.1		71.2-125	%REC	1	1/2/2007 9:23:00 PM
Surr: Toluene-d8	93.2		75-125	%REC	1	1/2/2007 9:23:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	187		2.50	mg/L	5	12/30/2006 7:13:00 PM
Fluoride	0.934		0.100	mg/L	1	12/30/2006 9:42:00 AM
Sulfate	1,100		50.0	mg/L	50	12/30/2006 9:02:00 PM
Nitrate/Nitrite (as N)	6.66		0.500	mg/L	5	12/28/2006 8:00:00 AM
Surr: Selenate (surr)	93.5		80-120	%REC	1	12/30/2006 9:42:00 AM
Surr: Selenate (surr)	94.9		80-120	%REC	5	12/30/2006 7:13:00 PM
Surr: Selenate (surr)	105		80-120	%REC	5	12/28/2006 8:00:00 AM
Surr: Selenate (surr)	91.1		80-120	%REC	50	12/30/2006 9:02:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	392		5.00	mg/L	1	12/27/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Total (As CaCO3)	392		5.00	mg/L	1	12/27/2006
PH			E150.1			Analyst: MAM
pH	6.72	H	0.100	pH units	1	12/22/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	2,430		10.0	mg/L	1	12/22/2006

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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-07

Client Sample ID: MW-62
Collection Date: 12/21/2006 11:22:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	11		SW8015M 0.50	mg/L	10	Prep Date: 12/26/2006 Analyst: JBA 1/4/2007 9:21:00 AM
Surr: 2-Fluorobiphenyl	130		70-130	%REC	10	1/4/2007 9:21:00 AM
GASOLINE RANGE ORGANICS						
Gasoline Range Organics	8.82		SW8015 0.0500	mg/L	1	Analyst: RKG 12/29/2006 8:29:00 PM
Surr: 4-Bromofluorobenzene	90.7		70-130	%REC	1	12/29/2006 8:29:00 PM
MERCURY, TOTAL						
Mercury	ND		SW7470 0.000200	mg/L	1	Prep Date: 1/2/2007 Analyst: JCJ 1/2/2007 4:56:23 PM
ICP METALS, TOTAL						
Aluminum	4.61		SW6020 1.00	mg/L	100	Prep Date: 12/26/2006 Analyst: ALR 1/3/2007 12:28:00 AM
Arsenic	0.0109		0.00500	mg/L	1	12/31/2006 12:06:00 AM
Barium	0.330		0.00500	mg/L	1	12/31/2006 12:06:00 AM
Beryllium	ND		0.00200	mg/L	1	12/31/2006 12:06:00 AM
Boron	0.424		0.0200	mg/L	1	12/31/2006 12:06:00 AM
Cadmium	ND		0.00200	mg/L	1	12/31/2006 12:06:00 AM
Calcium	414		50.0	mg/L	100	1/3/2007 12:28:00 AM
Chromium	0.00671		0.00500	mg/L	1	12/31/2006 12:06:00 AM
Cobalt	ND		0.00500	mg/L	1	12/31/2006 12:06:00 AM
Copper	0.0104		0.00500	mg/L	1	12/31/2006 12:06:00 AM
Iron	2.91		0.200	mg/L	1	12/31/2006 12:06:00 AM
Lead	ND		0.00500	mg/L	1	12/31/2006 12:06:00 AM
Magnesium	99.3		0.200	mg/L	1	12/31/2006 12:06:00 AM
Manganese	0.120		0.00500	mg/L	1	12/31/2006 12:06:00 AM
Molybdenum	ND		0.00500	mg/L	1	12/31/2006 12:06:00 AM
Nickel	0.00589		0.00500	mg/L	1	12/31/2006 12:06:00 AM
Potassium	1.70		0.200	mg/L	1	12/31/2006 12:06:00 AM
Selenium	ND		0.00500	mg/L	1	12/31/2006 12:06:00 AM
Silver	ND		0.00500	mg/L	1	12/31/2006 12:06:00 AM
Sodium	160		0.200	mg/L	1	12/31/2006 12:06:00 AM
Vanadium	0.0102		0.00500	mg/L	1	12/31/2006 12:06:00 AM
Zinc	0.0329		0.00500	mg/L	1	1/3/2007 4:19:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		SW8260 5.0	µg/L	1	Analyst: PC 1/2/2007 5:38:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
1,2,4-Trimethylbenzene	220		120	µg/L	25	1/2/2007 11:54:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-07

Client Sample ID: MW-62
Collection Date: 12/21/2006 11:22:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dibromoethane	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
1,3,5-Trimethylbenzene	11		5.0	µg/L	1	1/2/2007 5:38:00 PM
2-Butanone	ND		10	µg/L	1	1/2/2007 5:38:00 PM
2-Hexanone	ND		10	µg/L	1	1/2/2007 5:38:00 PM
4-Isopropyltoluene	9.3		5.0	µg/L	1	1/2/2007 5:38:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/2/2007 5:38:00 PM
Acetone	ND		10	µg/L	1	1/2/2007 5:38:00 PM
Benzene	2,800		120	µg/L	25	1/2/2007 11:54:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
Bromoform	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
Bromomethane	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
Carbon disulfide	ND		10	µg/L	1	1/2/2007 5:38:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
Chloroethane	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
Chloroform	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
Chloromethane	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
Ethylbenzene	150		5.0	µg/L	1	1/2/2007 5:38:00 PM
Isopropylbenzene	130		5.0	µg/L	1	1/2/2007 5:38:00 PM
m,p-Xylene	330		10	µg/L	1	1/2/2007 5:38:00 PM
Methyl tert-butyl ether	11		5.0	µg/L	1	1/2/2007 5:38:00 PM
Methylene chloride	ND		10	µg/L	1	1/2/2007 5:38:00 PM
n-Butylbenzene	18		5.0	µg/L	1	1/2/2007 5:38:00 PM
n-Propylbenzene	180		120	µg/L	25	1/2/2007 11:54:00 PM
Naphthalene	60		5.0	µg/L	1	1/2/2007 5:38:00 PM
o-Xylene	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
sec-Butylbenzene	26		5.0	µg/L	1	1/2/2007 5:38:00 PM
Styrene	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
Toluene	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/2/2007 5:38:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/2/2007 5:38:00 PM
Xylenes, Total	330		15	µg/L	1	1/2/2007 5:38:00 PM
Surr: 1,2-Dichloroethane-d4	79.7		70-125	%REC	1	1/2/2007 5:38:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-07

Client Sample ID: MW-62
Collection Date: 12/21/2006 11:22:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 1,2-Dichloroethane-d4	86.6		70-125	%REC	25	1/2/2007 11:54:00 PM
Surr: 4-Bromofluorobenzene	79.4		72.4-125	%REC	1	1/2/2007 5:38:00 PM
Surr: 4-Bromofluorobenzene	82.8		72.4-125	%REC	25	1/2/2007 11:54:00 PM
Surr: Dibromofluoromethane	84.9		71.2-125	%REC	1	1/2/2007 5:38:00 PM
Surr: Dibromofluoromethane	90.2		71.2-125	%REC	25	1/2/2007 11:54:00 PM
Surr: Toluene-d8	88.3		75-125	%REC	1	1/2/2007 5:38:00 PM
Surr: Toluene-d8	92.8		75-125	%REC	25	1/2/2007 11:54:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	118		5.00	mg/L	10	12/30/2006 9:24:00 PM
Fluoride	0.949		0.100	mg/L	1	12/30/2006 4:57:00 AM
Sulfate	342		10.0	mg/L	10	12/30/2006 9:24:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/28/2006 8:22:00 AM
Surr: Selenate (surr)	105		80-120	%REC	5	12/28/2006 8:22:00 AM
Surr: Selenate (surr)	91.9		80-120	%REC	10	12/30/2006 9:24:00 PM
Surr: Selenate (surr)	91.1		80-120	%REC	1	12/30/2006 4:57:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	774		5.00	mg/L	1	12/27/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Total (As CaCO3)	774		5.00	mg/L	1	12/27/2006
PH			E150.1			Analyst: MAM
pH	6.82		0.100	pH units	1	12/22/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	1,620		10.0	mg/L	1	12/22/2006

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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-08

Client Sample ID: MW-43
Collection Date: 12/21/2006 12:20:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	17		SW8015M	0.51 mg/L	10	Prep Date: 12/26/2006 Analyst: JBA 1/4/2007 10:01:00 AM
<i>Surr: 2-Fluorobiphenyl</i>	191	S	70-130	%REC	10	1/4/2007 10:01:00 AM
MERCURY, TOTAL						
Mercury	ND		SW7470	0.000200 mg/L	1	Prep Date: 1/2/2007 Analyst: JCJ 1/2/2007 4:58:26 PM
ICP METALS, TOTAL						
Aluminum	0.272		SW6020	0.0100 mg/L	1	Prep Date: 12/26/2006 Analyst: ALR 12/31/2006 12:12:00 AM
Arsenic	0.0155			0.00500 mg/L	1	12/31/2006 12:12:00 AM
Barium	0.551			0.00500 mg/L	1	12/31/2006 12:12:00 AM
Beryllium	ND			0.00200 mg/L	1	12/31/2006 12:12:00 AM
Boron	0.342			0.0200 mg/L	1	12/31/2006 12:12:00 AM
Cadmium	ND			0.00200 mg/L	1	12/31/2006 12:12:00 AM
Calcium	112			0.500 mg/L	1	12/31/2006 12:12:00 AM
Chromium	ND			0.00500 mg/L	1	12/31/2006 12:12:00 AM
Cobalt	ND			0.00500 mg/L	1	12/31/2006 12:12:00 AM
Copper	ND			0.00500 mg/L	1	12/31/2006 12:12:00 AM
Iron	ND			0.200 mg/L	1	12/31/2006 12:12:00 AM
Lead	ND			0.00500 mg/L	1	12/31/2006 12:12:00 AM
Magnesium	97.8			0.200 mg/L	1	12/31/2006 12:12:00 AM
Manganese	0.399			0.00500 mg/L	1	12/31/2006 12:12:00 AM
Molybdenum	ND			0.00500 mg/L	1	12/31/2006 12:12:00 AM
Nickel	0.00638			0.00500 mg/L	1	12/31/2006 12:12:00 AM
Potassium	0.430			0.200 mg/L	1	12/31/2006 12:12:00 AM
Selenium	ND			0.00500 mg/L	1	12/31/2006 12:12:00 AM
Silver	ND			0.00500 mg/L	1	12/31/2006 12:12:00 AM
Sodium	663			20.0 mg/L	100	1/3/2007 12:34:00 AM
Vanadium	ND			0.00500 mg/L	1	12/31/2006 12:12:00 AM
Zinc	0.00576			0.00500 mg/L	1	1/3/2007 4:25:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		SW8260	5.0 µg/L	1	Analyst: PC 1/2/2007 11:04:00 PM
1,1,2,2-Tetrachloroethane	ND			5.0 µg/L	1	1/2/2007 11:04:00 PM
1,1,2-Trichloroethane	ND			5.0 µg/L	1	1/2/2007 11:04:00 PM
1,1-Dichloroethane	ND			5.0 µg/L	1	1/2/2007 11:04:00 PM
1,1-Dichloroethene	ND			5.0 µg/L	1	1/2/2007 11:04:00 PM
1,2,4-Trimethylbenzene	91			5.0 µg/L	1	1/2/2007 11:04:00 PM
1,2-Dibromoethane	ND			5.0 µg/L	1	1/2/2007 11:04:00 PM
1,2-Dichloroethane	ND			5.0 µg/L	1	1/2/2007 11:04:00 PM
1,2-Dichloropropane	ND			5.0 µg/L	1	1/2/2007 11:04:00 PM
1,3,5-Trimethylbenzene	11			5.0 µg/L	1	1/2/2007 11:04:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-08

Client Sample ID: MW-43
Collection Date: 12/21/2006 12:20:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	ND		10	µg/L	1	1/2/2007 11:04:00 PM
2-Hexanone	ND		10	µg/L	1	1/2/2007 11:04:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/2/2007 11:04:00 PM
Acetone	ND		10	µg/L	1	1/2/2007 11:04:00 PM
Benzene	3,900		120	µg/L	25	1/3/2007 7:14:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
Bromoform	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
Bromomethane	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
Carbon disulfide	ND		10	µg/L	1	1/2/2007 11:04:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
Chloroethane	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
Chloroform	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
Chloromethane	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
Ethylbenzene	210		120	µg/L	25	1/3/2007 7:14:00 PM
Isopropylbenzene	75		5.0	µg/L	1	1/2/2007 11:04:00 PM
m,p-Xylene	310		10	µg/L	1	1/2/2007 11:04:00 PM
Methyl tert-butyl ether	6.0		5.0	µg/L	1	1/2/2007 11:04:00 PM
Methylene chloride	ND		10	µg/L	1	1/2/2007 11:04:00 PM
n-Butylbenzene	12		5.0	µg/L	1	1/2/2007 11:04:00 PM
n-Propylbenzene	84		5.0	µg/L	1	1/2/2007 11:04:00 PM
Naphthalene	43		5.0	µg/L	1	1/2/2007 11:04:00 PM
o-Xylene	26		5.0	µg/L	1	1/2/2007 11:04:00 PM
sec-Butylbenzene	15		5.0	µg/L	1	1/2/2007 11:04:00 PM
Styrene	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
Toluene	64		5.0	µg/L	1	1/2/2007 11:04:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/2/2007 11:04:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/2/2007 11:04:00 PM
Xylenes, Total	340		15	µg/L	1	1/2/2007 11:04:00 PM
Surr: 1,2-Dichloroethane-d4	86.1		70-125	%REC	1	1/2/2007 11:04:00 PM
Surr: 1,2-Dichloroethane-d4	88.5		70-125	%REC	25	1/3/2007 7:14:00 PM
Surr: 4-Bromofluorobenzene	80.4		72.4-125	%REC	1	1/2/2007 11:04:00 PM
Surr: 4-Bromofluorobenzene	83.1		72.4-125	%REC	25	1/3/2007 7:14:00 PM
Surr: Dibromofluoromethane	83.3		71.2-125	%REC	1	1/2/2007 11:04:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-08

Client Sample ID: MW-43
Collection Date: 12/21/2006 12:20:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Dibromofluoromethane	94.1		71.2-125	%REC	25	1/3/2007 7:14:00 PM
Surr: Toluene-d8	87.2		75-125	%REC	1	1/2/2007 11:04:00 PM
Surr: Toluene-d8	91.6		75-125	%REC	25	1/3/2007 7:14:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	797		10.0	mg/L	20	12/30/2006 10:30:00 PM
Fluoride	0.837		0.100	mg/L	1	12/30/2006 10:04:00 AM
Sulfate	139		5.00	mg/L	5	12/30/2006 10:08:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/28/2006 12:01:00 PM
Surr: Selenate (surr)	105		80-120	%REC	5	12/28/2006 12:01:00 PM
Surr: Selenate (surr)	90.9		80-120	%REC	5	12/30/2006 10:08:00 PM
Surr: Selenate (surr)	91.9		80-120	%REC	20	12/30/2006 10:30:00 PM
Surr: Selenate (surr)	87.8		80-120	%REC	1	12/30/2006 10:04:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	1,050		5.00	mg/L	1	12/27/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Total (As CaCO3)	1,050		5.00	mg/L	1	12/27/2006
PH			E150.1			Analyst: MAM
pH	6.86		0.100	pH units	1	12/22/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	2,600		10.0	mg/L	1	12/22/2006

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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-09

Client Sample ID: MW-23
Collection Date: 12/21/2006 1:00:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	20		0.51	mg/L	10	1/4/2007 2:45:00 AM
Surr: 2-Fluorobiphenyl	192	S	70-130	%REC	10	1/4/2007 2:45:00 AM
MERCURY, TOTAL						
Mercury	ND		0.000200	mg/L	1	1/2/2007 5:00:28 PM
ICP METALS, TOTAL						
Aluminum	0.0442		0.0100	mg/L	1	12/31/2006 12:18:00 AM
Arsenic	0.0256		0.00500	mg/L	1	12/31/2006 12:18:00 AM
Barium	13.6		0.500	mg/L	100	1/3/2007 12:40:00 AM
Beryllium	ND		0.00200	mg/L	1	12/31/2006 12:18:00 AM
Boron	0.728		0.0200	mg/L	1	12/31/2006 12:18:00 AM
Cadmium	ND		0.00200	mg/L	1	12/31/2006 12:18:00 AM
Calcium	92.1		0.500	mg/L	1	12/31/2006 12:18:00 AM
Chromium	ND		0.00500	mg/L	1	12/31/2006 12:18:00 AM
Cobalt	ND		0.00500	mg/L	1	12/31/2006 12:18:00 AM
Copper	ND		0.00500	mg/L	1	12/31/2006 12:18:00 AM
Iron	ND		0.200	mg/L	1	12/31/2006 12:18:00 AM
Lead	ND		0.00500	mg/L	1	12/31/2006 12:18:00 AM
Magnesium	105		0.200	mg/L	1	12/31/2006 12:18:00 AM
Manganese	0.0634		0.00500	mg/L	1	12/31/2006 12:18:00 AM
Molybdenum	ND		0.00500	mg/L	1	12/31/2006 12:18:00 AM
Nickel	ND		0.00500	mg/L	1	12/31/2006 12:18:00 AM
Potassium	1.21		0.200	mg/L	1	12/31/2006 12:18:00 AM
Selenium	ND		0.00500	mg/L	1	12/31/2006 12:18:00 AM
Silver	ND		0.00500	mg/L	1	12/31/2006 12:18:00 AM
Sodium	408		20.0	mg/L	100	1/3/2007 12:40:00 AM
Vanadium	ND		0.00500	mg/L	1	12/31/2006 12:18:00 AM
Zinc	0.0101		0.00500	mg/L	1	1/3/2007 4:31:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
1,2,4-Trimethylbenzene	650		250	µg/L	50	1/3/2007 7:39:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
1,3,5-Trimethylbenzene	160		5.0	µg/L	1	1/3/2007 2:38:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-09

Client Sample ID: MW-23
Collection Date: 12/21/2006 1:00:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	ND		10	µg/L	1	1/3/2007 2:38:00 PM
2-Hexanone	ND		10	µg/L	1	1/3/2007 2:38:00 PM
4-Isopropyltoluene	14		5.0	µg/L	1	1/3/2007 2:38:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/3/2007 2:38:00 PM
Acetone	ND		10	µg/L	1	1/3/2007 2:38:00 PM
Benzene	16,000		1,200	µg/L	250	1/3/2007 8:04:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
Bromoform	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
Bromomethane	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
Carbon disulfide	ND		10	µg/L	1	1/3/2007 2:38:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
Chloroethane	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
Chloroform	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
Chloromethane	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
Ethylbenzene	2,900		250	µg/L	50	1/3/2007 7:39:00 PM
Isopropylbenzene	160		5.0	µg/L	1	1/3/2007 2:38:00 PM
m,p-Xylene	2,700		500	µg/L	50	1/3/2007 7:39:00 PM
Methyl tert-butyl ether	32		5.0	µg/L	1	1/3/2007 2:38:00 PM
Methylene chloride	ND		10	µg/L	1	1/3/2007 2:38:00 PM
n-Butylbenzene	45		5.0	µg/L	1	1/3/2007 2:38:00 PM
n-Propylbenzene	260		250	µg/L	50	1/3/2007 7:39:00 PM
Naphthalene	360		250	µg/L	50	1/3/2007 7:39:00 PM
o-Xylene	ND		250	µg/L	50	1/3/2007 7:39:00 PM
sec-Butylbenzene	26		5.0	µg/L	1	1/3/2007 2:38:00 PM
Styrene	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
Toluene	2,100		250	µg/L	50	1/3/2007 7:39:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/3/2007 2:38:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/3/2007 2:38:00 PM
Xylenes, Total	2,900		750	µg/L	50	1/3/2007 7:39:00 PM
Surr: 1,2-Dichloroethane-d4	86.4		70-125	%REC	250	1/3/2007 8:04:00 PM
Surr: 1,2-Dichloroethane-d4	89.1		70-125	%REC	1	1/3/2007 2:38:00 PM
Surr: 1,2-Dichloroethane-d4	87.2		70-125	%REC	50	1/3/2007 7:39:00 PM
Surr: 4-Bromofluorobenzene	84.9		72.4-125	%REC	1	1/3/2007 2:38:00 PM
Surr: 4-Bromofluorobenzene	84.9		72.4-125	%REC	50	1/3/2007 7:39:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-09

Client Sample ID: MW-23
Collection Date: 12/21/2006 1:00:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	80.9		72.4-125	%REC	250	1/3/2007 8:04:00 PM
Surr: Dibromofluoromethane	82.3		71.2-125	%REC	1	1/3/2007 2:38:00 PM
Surr: Dibromofluoromethane	88.8		71.2-125	%REC	50	1/3/2007 7:39:00 PM
Surr: Dibromofluoromethane	91.8		71.2-125	%REC	250	1/3/2007 8:04:00 PM
Surr: Toluene-d8	91.4		75-125	%REC	1	1/3/2007 2:38:00 PM
Surr: Toluene-d8	92.6		75-125	%REC	50	1/3/2007 7:39:00 PM
Surr: Toluene-d8	92.8		75-125	%REC	250	1/3/2007 8:04:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	489		10.0	mg/L	20	12/30/2006 10:52:00 PM
Fluoride	0.429		0.100	mg/L	1	12/30/2006 10:26:00 AM
Sulfate	6.27		1.00	mg/L	1	12/30/2006 10:26:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/28/2006 10:34:00 AM
Surr: Selenate (surr)	89.6		80-120	%REC	1	12/30/2006 10:26:00 AM
Surr: Selenate (surr)	91.3		80-120	%REC	20	12/30/2006 10:52:00 PM
Surr: Selenate (surr)	105		80-120	%REC	5	12/28/2006 10:34:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	867		5.00	mg/L	1	12/27/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Total (As CaCO3)	867		5.00	mg/L	1	12/27/2006
PH			E150.1			Analyst: MAM
pH	6.73		0.100	pH units	1	12/22/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	1,900		10.0	mg/L	1	12/22/2006

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

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e-Lab Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
 Work Order: 0612430
 Project: Artesia
 Lab ID: 0612430-10

Client Sample ID: MW-42
 Collection Date: 12/21/2006 1:30:00 PM
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	5.9		SW8015M 0.51	mg/L	10	Prep Date: 12/26/2006 Analyst: JBA 1/4/2007 3:25:00 AM
Surr: 2-Fluorobiphenyl	124		70-130	%REC	10	1/4/2007 3:25:00 AM
MERCURY, TOTAL						
Mercury	ND		SW7470 0.000200	mg/L	1	Prep Date: 1/2/2007 Analyst: JCJ 1/2/2007 5:02:31 PM
ICP METALS, TOTAL						
Aluminum	0.620		SW6020 0.0100	mg/L	1	Prep Date: 12/26/2006 Analyst: ALR 12/31/2006 12:24:00 AM
Arsenic	0.0167		0.00500	mg/L	1	12/31/2006 12:24:00 AM
Barium	0.0553		0.00500	mg/L	1	12/31/2006 12:24:00 AM
Beryllium	ND		0.00200	mg/L	1	12/31/2006 12:24:00 AM
Boron	0.998		0.0200	mg/L	1	12/31/2006 12:24:00 AM
Cadmium	ND		0.00200	mg/L	1	12/31/2006 12:24:00 AM
Calcium	301		50.0	mg/L	100	1/3/2007 12:45:00 AM
Chromium	ND		0.00500	mg/L	1	12/31/2006 12:24:00 AM
Cobalt	ND		0.00500	mg/L	1	12/31/2006 12:24:00 AM
Copper	ND		0.00500	mg/L	1	12/31/2006 12:24:00 AM
Iron	0.709		0.200	mg/L	1	12/31/2006 12:24:00 AM
Lead	ND		0.00500	mg/L	1	12/31/2006 12:24:00 AM
Magnesium	320		20.0	mg/L	100	1/3/2007 12:45:00 AM
Manganese	0.201		0.00500	mg/L	1	12/31/2006 12:24:00 AM
Molybdenum	ND		0.00500	mg/L	1	12/31/2006 12:24:00 AM
Nickel	0.00922		0.00500	mg/L	1	12/31/2006 12:24:00 AM
Potassium	0.526		0.200	mg/L	1	12/31/2006 12:24:00 AM
Selenium	ND		0.00500	mg/L	1	12/31/2006 12:24:00 AM
Silver	ND		0.00500	mg/L	1	12/31/2006 12:24:00 AM
Sodium	473		20.0	mg/L	100	1/3/2007 12:45:00 AM
Vanadium	ND		0.00500	mg/L	1	12/31/2006 12:24:00 AM
Zinc	0.00928		0.00500	mg/L	1	1/3/2007 4:37:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		SW8260 5.0	µg/L	1	Analyst: PC 1/3/2007 3:28:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
1,2,4-Trimethylbenzene	210		120	µg/L	25	1/3/2007 9:44:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
1,3,5-Trimethylbenzene	11		5.0	µg/L	1	1/3/2007 3:28:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-10

Client Sample ID: MW-42
Collection Date: 12/21/2006 1:30:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	ND		10	µg/L	1	1/3/2007 3:28:00 PM
2-Hexanone	ND		10	µg/L	1	1/3/2007 3:28:00 PM
4-Isopropyltoluene	6.2		5.0	µg/L	1	1/3/2007 3:28:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/3/2007 3:28:00 PM
Acetone	ND		10	µg/L	1	1/3/2007 3:28:00 PM
Benzene	2,300		120	µg/L	25	1/3/2007 9:44:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
Bromoform	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
Bromomethane	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
Carbon disulfide	ND		10	µg/L	1	1/3/2007 3:28:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
Chloroethane	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
Chloroform	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
Chloromethane	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
Ethylbenzene	86		5.0	µg/L	1	1/3/2007 3:28:00 PM
Isopropylbenzene	84		5.0	µg/L	1	1/3/2007 3:28:00 PM
m,p-Xylene	400		250	µg/L	25	1/3/2007 9:44:00 PM
Methyl tert-butyl ether	18		5.0	µg/L	1	1/3/2007 3:28:00 PM
Methylene chloride	ND		10	µg/L	1	1/3/2007 3:28:00 PM
n-Butylbenzene	11		5.0	µg/L	1	1/3/2007 3:28:00 PM
n-Propylbenzene	98		5.0	µg/L	1	1/3/2007 3:28:00 PM
Naphthalene	47		5.0	µg/L	1	1/3/2007 3:28:00 PM
o-Xylene	ND		120	µg/L	25	1/3/2007 9:44:00 PM
sec-Butylbenzene	18		5.0	µg/L	1	1/3/2007 3:28:00 PM
Styrene	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
Toluene	23		5.0	µg/L	1	1/3/2007 3:28:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/3/2007 3:28:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/3/2007 3:28:00 PM
Xylenes, Total	400		380	µg/L	25	1/3/2007 9:44:00 PM
Surr: 1,2-Dichloroethane-d4	88.4		70-125	%REC	25	1/3/2007 9:44:00 PM
Surr: 1,2-Dichloroethane-d4	75.2		70-125	%REC	1	1/3/2007 3:28:00 PM
Surr: 4-Bromofluorobenzene	83.3		72.4-125	%REC	1	1/3/2007 3:28:00 PM
Surr: 4-Bromofluorobenzene	85.4		72.4-125	%REC	25	1/3/2007 9:44:00 PM
Surr: Dibromofluoromethane	83.7		71.2-125	%REC	1	1/3/2007 3:28:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-10

Client Sample ID: MW-42
Collection Date: 12/21/2006 1:30:00 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Dibromofluoromethane	86.0		71.2-125	%REC	25	1/3/2007 9:44:00 PM
Surr: Toluene-d8	91.8		75-125	%REC	1	1/3/2007 3:28:00 PM
Surr: Toluene-d8	92.2		75-125	%REC	25	1/3/2007 9:44:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	618		10.0	mg/L	20	12/30/2006 11:14:00 PM
Fluoride	0.815		0.100	mg/L	1	12/30/2006 10:48:00 AM
Sulfate	910		20.0	mg/L	20	12/30/2006 11:14:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/28/2006 10:56:00 AM
Surr: Selenate (surr)	105		80-120	%REC	5	12/28/2006 10:56:00 AM
Surr: Selenate (surr)	91.5		80-120	%REC	1	12/30/2006 10:48:00 AM
Surr: Selenate (surr)	92.1		80-120	%REC	20	12/30/2006 11:14:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	1,100		5.00	mg/L	1	12/27/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Total (As CaCO3)	1,100		5.00	mg/L	1	12/27/2006
PH			E150.1			Analyst: MAM
pH	6.59		0.100	pH units	1	12/22/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	3,380		10.0	mg/L	1	12/22/2006

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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
 Work Order: 0612430
 Project: Artesia
 Lab ID: 0612430-11

Client Sample ID: Duplicate #6
 Collection Date: 12/21/2006

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	13		SW8015M 0.50	mg/L	10	Prep Date: 12/26/2006 Analyst: JBA 1/4/2007 10:40:00 AM
Surr: 2-Fluorobiphenyl	139	S	70-130	%REC	10	1/4/2007 10:40:00 AM
GASOLINE RANGE ORGANICS						
Gasoline Range Organics	5.21		SW8015 0.0500	mg/L	1	Analyst: RKG 12/29/2006 8:52:00 PM
Surr: 4-Bromofluorobenzene	92.2		70-130	%REC	1	12/29/2006 8:52:00 PM
MERCURY, TOTAL						
Mercury	ND		SW7470 0.000200	mg/L	1	Prep Date: 1/2/2007 Analyst: JCJ 1/2/2007 5:04:30 PM
ICP METALS, TOTAL						
Aluminum	0.418		SW6020 0.0100	mg/L	1	Prep Date: 12/26/2006 Analyst: ALR 12/31/2006 12:30:00 AM
Arsenic	0.0182		0.00500	mg/L	1	12/31/2006 12:30:00 AM
Barium	0.0684		0.00500	mg/L	1	12/31/2006 12:30:00 AM
Beryllium	ND		0.00200	mg/L	1	12/31/2006 12:30:00 AM
Boron	1.14		0.0200	mg/L	1	12/31/2006 12:30:00 AM
Cadmium	ND		0.00200	mg/L	1	12/31/2006 12:30:00 AM
Calcium	395		50.0	mg/L	100	1/3/2007 12:51:00 AM
Chromium	0.0485		0.00500	mg/L	1	12/31/2006 12:30:00 AM
Cobalt	ND		0.00500	mg/L	1	12/31/2006 12:30:00 AM
Copper	ND		0.00500	mg/L	1	12/31/2006 12:30:00 AM
Iron	0.732		0.200	mg/L	1	12/31/2006 12:30:00 AM
Lead	ND		0.00500	mg/L	1	12/31/2006 12:30:00 AM
Magnesium	643		20.0	mg/L	100	1/3/2007 12:51:00 AM
Manganese	0.770		0.00500	mg/L	1	12/31/2006 12:30:00 AM
Molybdenum	0.0350		0.00500	mg/L	1	12/31/2006 12:30:00 AM
Nickel	0.0199		0.00500	mg/L	1	12/31/2006 12:30:00 AM
Potassium	0.966		0.200	mg/L	1	12/31/2006 12:30:00 AM
Selenium	0.0118		0.00500	mg/L	1	12/31/2006 12:30:00 AM
Silver	ND		0.00500	mg/L	1	12/31/2006 12:30:00 AM
Sodium	740		20.0	mg/L	100	1/3/2007 12:51:00 AM
Vanadium	ND		0.00500	mg/L	1	12/31/2006 12:30:00 AM
Zinc	0.0214		0.00500	mg/L	1	1/3/2007 4:43:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		SW8260 5.0	µg/L	1	Analyst: PC 1/3/2007 12:58:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
1,2,4-Trimethylbenzene	190		5.0	µg/L	1	1/3/2007 12:58:00 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 Analytical, Inc.
Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-11

Client Sample ID: Duplicate #6
Collection Date: 12/21/2006
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dibromoethane	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
2-Butanone	ND		10	µg/L	1	1/3/2007 12:58:00 PM
2-Hexanone	ND		10	µg/L	1	1/3/2007 12:58:00 PM
4-Isopropyltoluene	7.9		5.0	µg/L	1	1/3/2007 12:58:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/3/2007 12:58:00 PM
Acetone	ND		10	µg/L	1	1/3/2007 12:58:00 PM
Benzene	1,000		50	µg/L	10	1/3/2007 6:49:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
Bromoform	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
Bromomethane	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
Carbon disulfide	ND		10	µg/L	1	1/3/2007 12:58:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
Chloroethane	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
Chloroform	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
Chloromethane	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
Ethylbenzene	72		5.0	µg/L	1	1/3/2007 12:58:00 PM
Isopropylbenzene	58		5.0	µg/L	1	1/3/2007 12:58:00 PM
m,p-Xylene	180		10	µg/L	1	1/3/2007 12:58:00 PM
Methyl tert-butyl ether	38		5.0	µg/L	1	1/3/2007 12:58:00 PM
Methylene chloride	ND		10	µg/L	1	1/3/2007 12:58:00 PM
n-Butylbenzene	13		5.0	µg/L	1	1/3/2007 12:58:00 PM
n-Propylbenzene	77		5.0	µg/L	1	1/3/2007 12:58:00 PM
Naphthalene	14		5.0	µg/L	1	1/3/2007 12:58:00 PM
o-Xylene	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
sec-Butylbenzene	16		5.0	µg/L	1	1/3/2007 12:58:00 PM
Styrene	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
Toluene	15		5.0	µg/L	1	1/3/2007 12:58:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/3/2007 12:58:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/3/2007 12:58:00 PM
Xylenes, Total	180		15	µg/L	1	1/3/2007 12:58:00 PM
Surr: 1,2-Dichloroethane-d4	89.2		70-125	%REC	10	1/3/2007 6:49:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-11

Client Sample ID: Duplicate #6
Collection Date: 12/21/2006

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 1,2-Dichloroethane-d4	84.7		70-125	%REC	1	1/3/2007 12:58:00 PM
Surr: 4-Bromofluorobenzene	85.1		72.4-125	%REC	10	1/3/2007 6:49:00 PM
Surr: 4-Bromofluorobenzene	82.5		72.4-125	%REC	1	1/3/2007 12:58:00 PM
Surr: Dibromofluoromethane	86.2		71.2-125	%REC	1	1/3/2007 12:58:00 PM
Surr: Dibromofluoromethane	93.3		71.2-125	%REC	10	1/3/2007 6:49:00 PM
Surr: Toluene-d8	90.9		75-125	%REC	1	1/3/2007 12:58:00 PM
Surr: Toluene-d8	93.5		75-125	%REC	10	1/3/2007 6:49:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	612		10.0	mg/L	20	12/30/2006 11:36:00 PM
Fluoride	2.29		0.100	mg/L	1	12/30/2006 11:10:00 AM
Sulfate	4,020		100	mg/L	100	12/30/2006 11:58:00 PM
Nitrate/Nitrite (as N)	2.37		0.500	mg/L	5	12/28/2006 12:23:00 PM
Surr: Selenate (surr)	102		80-120	%REC	5	12/28/2006 12:23:00 PM
Surr: Selenate (surr)	94.1		80-120	%REC	20	12/30/2006 11:36:00 PM
Surr: Selenate (surr)	93.6		80-120	%REC	100	12/30/2006 11:58:00 PM
Surr: Selenate (surr)	81.7		80-120	%REC	1	12/30/2006 11:10:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	599		5.00	mg/L	1	12/27/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Total (As CaCO3)	599		5.00	mg/L	1	12/27/2006
PH			E150.1			Analyst: MAM
pH	6.78		0.100	pH units	1	12/22/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	7,490		10.0	mg/L	1	12/22/2006

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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
 Work Order: 0612430
 Project: Artesia
 Lab ID: 0612430-12

Client Sample ID: Duplicate #7
 Collection Date: 12/21/2006
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			SW8015M			Prep Date: 12/26/2006 Analyst: JBA
TPH (Diesel Range)	ND		0.051	mg/L	1	1/3/2007 10:48:00 PM
Surr: 2-Fluorobiphenyl	99.7		70-130	%REC	1	1/3/2007 10:48:00 PM
MERCURY, TOTAL			SW7470			Prep Date: 1/2/2007 Analyst: JCJ
Mercury	ND		0.000200	mg/L	1	1/2/2007 5:06:30 PM
ICP METALS, TOTAL			SW6020			Prep Date: 12/26/2006 Analyst: ALR
Aluminum	0.0650		0.0100	mg/L	1	12/31/2006 12:36:00 AM
Arsenic	0.00914		0.00500	mg/L	1	12/31/2006 12:36:00 AM
Barium	0.0138		0.00500	mg/L	1	12/31/2006 12:36:00 AM
Beryllium	ND		0.00200	mg/L	1	12/31/2006 12:36:00 AM
Boron	0.595		0.0200	mg/L	1	12/31/2006 12:36:00 AM
Cadmium	ND		0.00200	mg/L	1	12/31/2006 12:36:00 AM
Calcium	496		50.0	mg/L	100	1/4/2007 1:05:00 AM
Chromium	ND		0.00500	mg/L	1	12/31/2006 12:36:00 AM
Cobalt	ND		0.00500	mg/L	1	12/31/2006 12:36:00 AM
Copper	ND		0.00500	mg/L	1	12/31/2006 12:36:00 AM
Iron	ND		0.200	mg/L	1	12/31/2006 12:36:00 AM
Lead	ND		0.00500	mg/L	1	12/31/2006 12:36:00 AM
Magnesium	302		20.0	mg/L	100	1/4/2007 1:05:00 AM
Manganese	0.576		0.00500	mg/L	1	12/31/2006 12:36:00 AM
Molybdenum	0.0247		0.00500	mg/L	1	12/31/2006 12:36:00 AM
Nickel	0.0102		0.00500	mg/L	1	12/31/2006 12:36:00 AM
Potassium	0.779		0.200	mg/L	1	12/31/2006 12:36:00 AM
Selenium	0.0116		0.00500	mg/L	1	12/31/2006 12:36:00 AM
Silver	ND		0.00500	mg/L	1	12/31/2006 12:36:00 AM
Sodium	223		20.0	mg/L	100	1/4/2007 1:05:00 AM
Vanadium	0.0141		0.00500	mg/L	1	12/31/2006 12:36:00 AM
Zinc	0.00847		0.00500	mg/L	1	1/3/2007 6:06:00 AM
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/3/2007 4:43:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-12

Client Sample ID: Duplicate #7
Collection Date: 12/21/2006

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	ND		10	µg/L	1	1/3/2007 4:43:00 PM
2-Hexanone	ND		10	µg/L	1	1/3/2007 4:43:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/3/2007 4:43:00 PM
Acetone	ND		10	µg/L	1	1/3/2007 4:43:00 PM
Benzene	5.7		5.0	µg/L	1	1/3/2007 4:43:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Bromoform	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Bromomethane	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Carbon disulfide	ND		10	µg/L	1	1/3/2007 4:43:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Chloroethane	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Chloroform	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Chloromethane	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
m,p-Xylene	ND		10	µg/L	1	1/3/2007 4:43:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Methylene chloride	ND		10	µg/L	1	1/3/2007 4:43:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Naphthalene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
o-Xylene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Styrene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Toluene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/3/2007 4:43:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/3/2007 4:43:00 PM
Xylenes, Total	ND		15	µg/L	1	1/3/2007 4:43:00 PM
Surr: 1,2-Dichloroethane-d4	84.1		70-125	%REC	1	1/3/2007 4:43:00 PM
Surr: 4-Bromofluorobenzene	81.6		72.4-125	%REC	1	1/3/2007 4:43:00 PM
Surr: Dibromofluoromethane	89.0		71.2-125	%REC	1	1/3/2007 4:43:00 PM
Surr: Toluene-d8	92.8		75-125	%REC	1	1/3/2007 4:43:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-12

Client Sample ID: Duplicate #7
Collection Date: 12/21/2006

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	286		5.00	mg/L	10	12/31/2006 12:20:00 AM
Fluoride	1.06		0.100	mg/L	1	12/30/2006 11:31:00 AM
Sulfate	2,100		100	mg/L	100	12/31/2006 2:10:00 AM
Nitrate/Nitrite (as N)	4.52		0.500	mg/L	5	12/28/2006 11:17:00 AM
Surr: Selenate (surr)	91.9		80-120	%REC	100	12/31/2006 2:10:00 AM
Surr: Selenate (surr)	88.2		80-120	%REC	1	12/30/2006 11:31:00 AM
Surr: Selenate (surr)	105		80-120	%REC	5	12/28/2006 11:17:00 AM
Surr: Selenate (surr)	95.6		80-120	%REC	10	12/31/2006 12:20:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO ₃)	341		5.00	mg/L	1	12/27/2006
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Total (As CaCO ₃)	341		5.00	mg/L	1	12/27/2006
PH			E150.1			Analyst: MAM
pH	6.83		0.100	pH units	1	12/22/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	4,030		10.0	mg/L	1	12/22/2006

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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-13

Client Sample ID: Duplicate #8
Collection Date: 12/21/2006

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	16		1.0	mg/L	20	1/4/2007 4:43:00 AM
Surr: 2-Fluorobiphenyl	312	S	70-130	%REC	20	1/4/2007 4:43:00 AM
MERCURY, TOTAL						
Mercury	ND		0.000200	mg/L	1	1/2/2007 5:08:30 PM
ICP METALS, TOTAL						
Aluminum	0.0371		0.0100	mg/L	1	12/31/2006 12:42:00 AM
Arsenic	0.0280		0.00500	mg/L	1	12/31/2006 12:42:00 AM
Barium	7.70		0.500	mg/L	100	1/3/2007 1:03:00 AM
Beryllium	ND		0.00200	mg/L	1	12/31/2006 12:42:00 AM
Boron	0.774		0.0200	mg/L	1	12/31/2006 12:42:00 AM
Cadmium	ND		0.00200	mg/L	1	12/31/2006 12:42:00 AM
Calcium	99.0		0.500	mg/L	1	12/31/2006 12:42:00 AM
Chromium	ND		0.00500	mg/L	1	12/31/2006 12:42:00 AM
Cobalt	ND		0.00500	mg/L	1	12/31/2006 12:42:00 AM
Copper	ND		0.00500	mg/L	1	12/31/2006 12:42:00 AM
Iron	ND		0.200	mg/L	1	12/31/2006 12:42:00 AM
Lead	ND		0.00500	mg/L	1	12/31/2006 12:42:00 AM
Magnesium	112		0.200	mg/L	1	12/31/2006 12:42:00 AM
Manganese	0.0674		0.00500	mg/L	1	12/31/2006 12:42:00 AM
Molybdenum	ND		0.00500	mg/L	1	12/31/2006 12:42:00 AM
Nickel	ND		0.00500	mg/L	1	12/31/2006 12:42:00 AM
Potassium	1.26		0.200	mg/L	1	12/31/2006 12:42:00 AM
Selenium	ND		0.00500	mg/L	1	12/31/2006 12:42:00 AM
Silver	ND		0.00500	mg/L	1	12/31/2006 12:42:00 AM
Sodium	421		20.0	mg/L	100	1/3/2007 1:03:00 AM
Vanadium	ND		0.00500	mg/L	1	12/31/2006 12:42:00 AM
Zinc	0.00755		0.00500	mg/L	1	1/3/2007 6:12:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
1,2,4-Trimethylbenzene	650		250	µg/L	50	1/3/2007 8:54:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
1,3,5-Trimethylbenzene	160		5.0	µg/L	1	1/3/2007 1:48:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-13

Client Sample ID: Duplicate #8
Collection Date: 12/21/2006
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	11		10	µg/L	1	1/3/2007 1:48:00 PM
2-Hexanone	ND		10	µg/L	1	1/3/2007 1:48:00 PM
4-Isopropyltoluene	14		5.0	µg/L	1	1/3/2007 1:48:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/3/2007 1:48:00 PM
Acetone	ND		10	µg/L	1	1/3/2007 1:48:00 PM
Benzene	16,000		1,200	µg/L	250	1/3/2007 9:19:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
Bromoform	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
Bromomethane	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
Carbon disulfide	ND		10	µg/L	1	1/3/2007 1:48:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
Chloroethane	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
Chloroform	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
Chloromethane	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
Ethylbenzene	3,000		250	µg/L	50	1/3/2007 8:54:00 PM
Isopropylbenzene	160		5.0	µg/L	1	1/3/2007 1:48:00 PM
m,p-Xylene	2,700		500	µg/L	50	1/3/2007 8:54:00 PM
Methyl tert-butyl ether	32		5.0	µg/L	1	1/3/2007 1:48:00 PM
Methylene chloride	ND		10	µg/L	1	1/3/2007 1:48:00 PM
n-Butylbenzene	44		5.0	µg/L	1	1/3/2007 1:48:00 PM
n-Propylbenzene	260		250	µg/L	50	1/3/2007 8:54:00 PM
Naphthalene	350		250	µg/L	50	1/3/2007 8:54:00 PM
o-Xylene	ND		250	µg/L	50	1/3/2007 8:54:00 PM
sec-Butylbenzene	26		5.0	µg/L	1	1/3/2007 1:48:00 PM
Styrene	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
Toluene	2,200		250	µg/L	50	1/3/2007 8:54:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/3/2007 1:48:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/3/2007 1:48:00 PM
Xylenes, Total	3,000		750	µg/L	50	1/3/2007 8:54:00 PM
Surr: 1,2-Dichloroethane-d4	94.5		70-125	%REC	1	1/3/2007 1:48:00 PM
Surr: 1,2-Dichloroethane-d4	92.7		70-125	%REC	50	1/3/2007 8:54:00 PM
Surr: 1,2-Dichloroethane-d4	90.1		70-125	%REC	250	1/3/2007 9:19:00 PM
Surr: 4-Bromofluorobenzene	85.9		72.4-125	%REC	50	1/3/2007 8:54:00 PM
Surr: 4-Bromofluorobenzene	81.6		72.4-125	%REC	250	1/3/2007 9:19:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-13

Client Sample ID: Duplicate #8
Collection Date: 12/21/2006

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	81.9		72.4-125	%REC	1	1/3/2007 1:48:00 PM
Surr: Dibromofluoromethane	90.5		71.2-125	%REC	50	1/3/2007 8:54:00 PM
Surr: Dibromofluoromethane	87.9		71.2-125	%REC	250	1/3/2007 9:19:00 PM
Surr: Dibromofluoromethane	87.5		71.2-125	%REC	1	1/3/2007 1:48:00 PM
Surr: Toluene-d8	94.5		75-125	%REC	50	1/3/2007 8:54:00 PM
Surr: Toluene-d8	93.4		75-125	%REC	250	1/3/2007 9:19:00 PM
Surr: Toluene-d8	90.8		75-125	%REC	1	1/3/2007 1:48:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	466		10.0	mg/L	20	12/31/2006 2:32:00 AM
Fluoride	0.399		0.100	mg/L	1	12/30/2006 11:53:00 AM
Sulfate	10.1		1.00	mg/L	1	12/30/2006 11:53:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/28/2006 11:39:00 AM
Surr: Selenate (surr)	89.8		80-120	%REC	1	12/30/2006 11:53:00 AM
Surr: Selenate (surr)	91.0		80-120	%REC	20	12/31/2006 2:32:00 AM
Surr: Selenate (surr)	105		80-120	%REC	5	12/28/2006 11:39:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	970		5.00	mg/L	1	12/27/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/27/2006
Alkalinity, Total (As CaCO3)	970		5.00	mg/L	1	12/27/2006
PH			E150.1			Analyst: MAM
pH	6.71		0.100	pH units	1	12/22/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	1,920		10.0	mg/L	1	12/22/2006

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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-14

Client Sample ID: Field Blank
Collection Date: 12/20/2006 3:32:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
2-Butanone	ND		10	µg/L	1	1/2/2007 7:18:00 PM
2-Hexanone	ND		10	µg/L	1	1/2/2007 7:18:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/2/2007 7:18:00 PM
Acetone	ND		10	µg/L	1	1/2/2007 7:18:00 PM
Benzene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Bromoform	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Bromomethane	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Carbon disulfide	ND		10	µg/L	1	1/2/2007 7:18:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Chloroethane	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Chloroform	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Chloromethane	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
m,p-Xylene	ND		10	µg/L	1	1/2/2007 7:18:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Methylene chloride	ND		10	µg/L	1	1/2/2007 7:18:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Naphthalene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
o-Xylene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Styrene	ND		5.0	µg/L	1	1/2/2007 7:18:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company

Client Sample ID: Field Blank

Work Order: 0612430

Collection Date: 12/20/2006 3:32:00 PM

Project: Artesia

Lab ID: 0612430-14

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Toluene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/2/2007 7:18:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/2/2007 7:18:00 PM
Xylenes, Total	ND		15	µg/L	1	1/2/2007 7:18:00 PM
Surr: 1,2-Dichloroethane-d4	83.2		70-125	%REC	1	1/2/2007 7:18:00 PM
Surr: 4-Bromofluorobenzene	80.3		72.4-125	%REC	1	1/2/2007 7:18:00 PM
Surr: Dibromofluoromethane	91.0		71.2-125	%REC	1	1/2/2007 7:18:00 PM
Surr: Toluene-d8	92.9		75-125	%REC	1	1/2/2007 7:18:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-15

Client Sample ID: Field Blank (12/21)
Collection Date: 12/21/2006 1:41:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
2-Butanone	ND		10	µg/L	1	1/2/2007 7:43:00 PM
2-Hexanone	ND		10	µg/L	1	1/2/2007 7:43:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/2/2007 7:43:00 PM
Acetone	ND		10	µg/L	1	1/2/2007 7:43:00 PM
Benzene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Bromoform	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Bromomethane	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Carbon disulfide	ND		10	µg/L	1	1/2/2007 7:43:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Chloroethane	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Chloroform	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Chloromethane	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
m,p-Xylene	ND		10	µg/L	1	1/2/2007 7:43:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Methylene chloride	ND		10	µg/L	1	1/2/2007 7:43:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Naphthalene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
o-Xylene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Styrene	ND		5.0	µg/L	1	1/2/2007 7:43:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-15

Client Sample ID: Field Blank (12/21)
Collection Date: 12/21/2006 1:41:00 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Toluene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/2/2007 7:43:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/2/2007 7:43:00 PM
Xylenes, Total	ND		15	µg/L	1	1/2/2007 7:43:00 PM
Surr: 1,2-Dichloroethane-d4	84.3		70-125	%REC	1	1/2/2007 7:43:00 PM
Surr: 4-Bromofluorobenzene	77.1		72.4-125	%REC	1	1/2/2007 7:43:00 PM
Surr: Dibromofluoromethane	84.8		71.2-125	%REC	1	1/2/2007 7:43:00 PM
Surr: Toluene-d8	91.5		75-125	%REC	1	1/2/2007 7:43:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-16

Client Sample ID: Equipment Blank
Collection Date: 12/20/2006 3:37:00 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
2-Butanone	ND		10	µg/L	1	1/2/2007 8:08:00 PM
2-Hexanone	ND		10	µg/L	1	1/2/2007 8:08:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/2/2007 8:08:00 PM
Acetone	ND		10	µg/L	1	1/2/2007 8:08:00 PM
Benzene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Bromoform	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Bromomethane	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Carbon disulfide	ND		10	µg/L	1	1/2/2007 8:08:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Chloroethane	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Chloroform	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Chloromethane	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
m,p-Xylene	ND		10	µg/L	1	1/2/2007 8:08:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Methylene chloride	ND		10	µg/L	1	1/2/2007 8:08:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Naphthalene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
o-Xylene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Styrene	ND		5.0	µg/L	1	1/2/2007 8:08:00 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

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e-Lab Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-16

Client Sample ID: Equipment Blank
Collection Date: 12/20/2006 3:37:00 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Toluene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/2/2007 8:08:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/2/2007 8:08:00 PM
Xylenes, Total	ND		15	µg/L	1	1/2/2007 8:08:00 PM
Surr: 1,2-Dichloroethane-d4	91.6		70-125	%REC	1	1/2/2007 8:08:00 PM
Surr: 4-Bromofluorobenzene	75.9		72.4-125	%REC	1	1/2/2007 8:08:00 PM
Surr: Dibromofluoromethane	98.3		71.2-125	%REC	1	1/2/2007 8:08:00 PM
Surr: Toluene-d8	91.7		75-125	%REC	1	1/2/2007 8:08:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-17

Client Sample ID: Equipment Blank (12/21)
Collection Date: 12/21/2006 1:37:00 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
2-Butanone	ND		10	µg/L	1	1/2/2007 8:33:00 PM
2-Hexanone	ND		10	µg/L	1	1/2/2007 8:33:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/2/2007 8:33:00 PM
Acetone	ND		10	µg/L	1	1/2/2007 8:33:00 PM
Benzene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Bromoform	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Bromomethane	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Carbon disulfide	ND		10	µg/L	1	1/2/2007 8:33:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Chloroethane	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Chloroform	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Chloromethane	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
m,p-Xylene	ND		10	µg/L	1	1/2/2007 8:33:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Methylene chloride	ND		10	µg/L	1	1/2/2007 8:33:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Naphthalene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
o-Xylene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Styrene	ND		5.0	µg/L	1	1/2/2007 8:33:00 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 Analytical, Inc.

Date: January 05, 2007

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia
Lab ID: 0612430-17

Client Sample ID: Equipment Blank (12/21)
Collection Date: 12/21/2006 1:37:00 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Toluene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/2/2007 8:33:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/2/2007 8:33:00 PM
Xylenes, Total	ND		15	µg/L	1	1/2/2007 8:33:00 PM
Surr: 1,2-Dichloroethane-d4	88.2		70-125	%REC	1	1/2/2007 8:33:00 PM
Surr: 4-Bromofluorobenzene	78.7		72.4-125	%REC	1	1/2/2007 8:33:00 PM
Surr: Dibromofluoromethane	87.0		71.2-125	%REC	1	1/2/2007 8:33:00 PM
Surr: Toluene-d8	93.7		75-125	%REC	1	1/2/2007 8:33:00 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 Analytical, Inc.

Date: Jan 05 2007

CLIENT: Navajo Refining Company

Work Order: 0612430

Project: Artesia

QC BATCH REPORT

Batch ID: 21392 Instrument ID FID-2 Method: SW8015M

MBLK Sample ID: FBLKW1-061226 Units: mg/L Analysis Date: 01/03/07 18:51

Client ID: Run ID: FID-2_061226A SeqNo: 1028123 Prep Date: 12/26/2006 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	ND	0.050								
Surr: 2-Fluorobiphenyl	0.1052	0.010	0.1	0	105	70-130	0			

LCS Sample ID: FLCSW1-061226 Units: mg/L Analysis Date: 01/03/07 19:30

Client ID: Run ID: FID-2_061226A SeqNo: 1028124 Prep Date: 12/26/2006 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	1.073	0.050	1	0	107	70-130	0			
Surr: 2-Fluorobiphenyl	0.1118	0.010	0.1	0	112	70-130	0			

LCSD Sample ID: FLCSDW1-061226 Units: mg/L Analysis Date: 01/03/07 20:09

Client ID: Run ID: FID-2_061226A SeqNo: 1028125 Prep Date: 12/26/2006 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	1.037	0.050	1	0	104	70-130	1.073	3.47	20	
Surr: 2-Fluorobiphenyl	0.1204	0.010	0.1	0	120	70-130	0.1118	7.42	20	

The following samples were analyzed in this batch:

0612430-01F	0612430-02F	0612430-03F
0612430-04F	0612430-05E	0612430-06F
0612430-07F	0612430-08E	0612430-09E
0612430-10E	0612430-11F	0612430-12E
0612430-13E		

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: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: R45496 Instrument ID FID-9 Method: SW8015

MBLK Sample ID: GBLKW-122906 Units: mg/L Analysis Date: 12/29/06 12:26

Client ID: Run ID: FID-9_061229A SeqNo: 1027178 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	ND	0.050								
Surr: 4-Bromofluorobenzene	0.08521	0.0050	0.1	0	85.2	70-130	0			

LCS Sample ID: GLCSW-122906 Units: mg/L Analysis Date: 12/29/06 12:03

Client ID: Run ID: FID-9_061229A SeqNo: 1027177 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	0.9729	0.050	1	0	97.3	70-130	0			
Surr: 4-Bromofluorobenzene	0.08783	0.0050	0.1	0	87.8	70-130	0			

MS Sample ID: 0612410-01BMS Units: mg/L Analysis Date: 12/29/06 16:25

Client ID: Run ID: FID-9_061229A SeqNo: 1027183 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	0.9328	0.050	1	0.05005	88.3	70-130	0			
Surr: 4-Bromofluorobenzene	0.08724	0.0050	0.1	0	87.2	70-130	0			

MSD Sample ID: 0612410-01BMSD Units: mg/L Analysis Date: 12/29/06 16:48

Client ID: Run ID: FID-9_061229A SeqNo: 1027184 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	0.9183	0.050	1	0.05005	86.8	70-130	0.9328	1.56	30	
Surr: 4-Bromofluorobenzene	0.08459	0.0050	0.1	0	84.6	70-130	0.08724	3.09	30	

The following samples were analyzed in this batch:

0612430-01B	0612430-02B	0612430-03B
0612430-04B	0612430-06B	0612430-07B
0612430-11B		

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: 0612430
Project: Artesia

QC BATCH REPORT

Batch ID: 21383 Instrument ID ICPMS02 Method: SW6020

MBLK Sample ID: MBLKW2-122606 Units: mg/L Analysis Date: 12/29/06 13:29

Client ID: Run ID: ICPMS02_061229A SeqNo: 1025787 Prep Date: 12/26/2006 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.005073	0.010								J
Arsenic	ND	0.0050								
Barium	0.0006651	0.0050								J
Beryllium	ND	0.0020								
Boron	ND	0.020								
Cadmium	ND	0.0020								
Calcium	ND	0.50								
Chromium	0.0005739	0.0050								J
Cobalt	0.0003979	0.0050								J
Copper	ND	0.0050								
Iron	ND	0.20								
Lead	ND	0.0050								
Magnesium	ND	0.20								
Manganese	ND	0.0050								
Molybdenum	ND	0.0050								
Nickel	ND	0.0050								
Potassium	ND	0.20								
Selenium	ND	0.0050								
Silver	ND	0.0050								
Sodium	ND	0.20								
Vanadium	0.0008133	0.0050								J
Zinc	0.001799	0.0050								J

ND¹ - 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: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: 21383 Instrument ID ICPMS02 Method: SW6020

LCS Sample ID: MLCSW2-122606 Units: mg/L Analysis Date: 12/29/06 13:35

Client ID: Run ID: ICPMS02_061229A SeqNo: 1025788 Prep Date: 12/26/2006 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.04666	0.010	0.05	0	93.3	79-126	0			
Arsenic	0.0485	0.0050	0.05	0	97	80-121	0			
Barium	0.0495	0.0050	0.05	0	99	79.8-119	0			
Beryllium	0.04854	0.0020	0.05	0	97.1	78.9-120	0			
Boron	0.4864	0.020	0.5	0	97.3	80-120	0			
Cadmium	0.05054	0.0020	0.05	0	101	79.1-119	0			
Calcium	4.987	0.50	5	0	99.7	80-121	0			
Chromium	0.04678	0.0050	0.05	0	93.6	79.3-121	0			
Cobalt	0.0507	0.0050	0.05	0	101	82-121	0			
Copper	0.04803	0.0050	0.05	0	96.1	81-120	0			
Iron	4.867	0.20	5	0	97.3	80-120	0			
Lead	0.04924	0.0050	0.05	0	98.5	80-118	0			
Magnesium	4.821	0.20	5	0	96.4	80-120	0			
Manganese	0.04685	0.0050	0.05	0	93.7	82-119	0			
Molybdenum	0.04851	0.0050	0.05	0	97	81-116	0			
Nickel	0.0498	0.0050	0.05	0	99.6	82-120	0			
Potassium	4.838	0.20	5	0	96.8	80-120	0			
Selenium	0.04939	0.0050	0.05	0	98.8	79.2-118	0			
Silver	0.04793	0.0050	0.05	0	95.9	80-117	0			
Sodium	4.836	0.20	5	0	96.7	80.6-119	0			
Vanadium	0.04811	0.0050	0.05	0	96.2	82.1-119	0			
Zinc	0.05131	0.0050	0.05	0	103	79-118	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: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: 21383 Instrument ID ICPMS02 Method: SW6020

MS		Sample ID: 0612430-05DMS				Units: mg/L		Analysis Date: 12/30/06 23:01		
Client ID: MW-55		Run ID: ICPMS02_061230A				SeqNo: 1026720		Prep Date: 12/26/2006 DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1408	0.010	0.05	0.07298	136	79-126	0			S
Arsenic	0.05205	0.0050	0.05	0.009837	84.4	80-121	0			
Barium	0.05402	0.0050	0.05	0.01186	84.3	79.8-119	0			
Beryllium	0.04035	0.0020	0.05	0.000333	80	78.9-120	0			
Boron	1.032	0.020	0.5	0.6476	76.9	80-120	0			S
Cadmium	0.04267	0.0020	0.05	0.0004889	84.4	79.1-119	0			
Calcium	439.8	0.50	5	492.3	-1050	80-121	0			SEO
Chromium	0.04356	0.0050	0.05	0.001989	83.1	79.3-121	0			
Cobalt	0.0472	0.0050	0.05	0.004251	85.9	82-121	0			
Copper	0.04126	0.0050	0.05	0.001534	79.5	80-120	0			S
Iron	4.431	0.20	5	0.1018	86.6	80-120	0			
Lead	0.04592	0.0050	0.05	0.001303	89.2	80-118	0			
Magnesium	282.2	0.20	5	315.6	-668	80-120	0			SEO
Manganese	0.623	0.0050	0.05	0.6577	-69.4	82-119	0			SO
Molybdenum	0.06839	0.0050	0.05	0.02858	79.6	81-116	0			S
Nickel	0.0516	0.0050	0.05	0.01159	80	82-120	0			S
Potassium	5.305	0.20	5	0.8943	88.2	80-120	0			
Selenium	0.0612	0.0050	0.05	0.01345	95.5	79.2-118	0			
Silver	0.03943	0.0050	0.05	0.0001302	78.6	80-117	0			S
Sodium	214.3	0.20	5	237.3	-460	80.6-119	0			SEO
Vanadium	0.05842	0.0050	0.05	0.01625	84.3	82.1-119	0			

MS		Sample ID: 0612430-05DMS				Units: mg/L		Analysis Date: 01/03/07 2:15		
Client ID: MW-55		Run ID: ICPMS02_070102A				SeqNo: 1027581		Prep Date: 12/26/2006 DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Zinc	0.05169	0.0050	0.05	0.007675	88	79-118	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: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: 21383 Instrument ID ICPMS02 Method: SW6020

MSD		Sample ID: 0612430-05DMSD				Units: mg/L		Analysis Date: 12/30/06 23:07		
Client ID: MW-55		Run ID: ICPMS02_061230A				SeqNo: 1026721		Prep Date: 12/26/2006		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.2705	0.010	0.05	0.07298	395	79-126	0.1408	63.1	15	SR
Arsenic	0.05685	0.0050	0.05	0.009837	94	80-121	0.05205	8.82	15	
Barium	0.06302	0.0050	0.05	0.01186	102	79.8-119	0.05402	15.4	15	R
Beryllium	0.04136	0.0020	0.05	0.000333	82.1	78.9-120	0.04035	2.47	15	
Boron	1.066	0.020	0.5	0.6476	83.7	80-120	1.032	3.24	15	
Cadmium	0.04369	0.0020	0.05	0.0004889	86.4	79.1-119	0.04267	2.36	15	
Calcium	471.1	0.50	5	492.3	-424	80-121	439.8	6.87	15	SEO
Chromium	0.04567	0.0050	0.05	0.001989	87.4	79.3-121	0.04356	4.73	15	
Cobalt	0.04914	0.0050	0.05	0.004251	89.8	82-121	0.0472	4.03	15	
Copper	0.04537	0.0050	0.05	0.001534	87.7	81-120	0.04126	9.49	15	
Iron	4.648	0.20	5	0.1018	90.9	80-120	4.431	4.78	15	
Lead	0.04764	0.0050	0.05	0.001303	92.7	80-118	0.04592	3.68	15	
Magnesium	300.7	0.20	5	315.6	-298	80-120	282.2	6.35	15	SEO
Manganese	0.6664	0.0050	0.05	0.6577	17.4	82-119	0.623	6.73	15	SO
Molybdenum	0.07315	0.0050	0.05	0.02858	89.1	81-116	0.06839	6.73	15	
Nickel	0.05398	0.0050	0.05	0.01159	84.8	82-120	0.0516	4.51	15	
Potassium	5.56	0.20	5	0.8943	93.3	80-120	5.305	4.69	15	
Selenium	0.06484	0.0050	0.05	0.01345	103	79.2-118	0.0612	5.78	15	
Silver	0.0417	0.0050	0.05	0.0001302	83.1	80-117	0.03943	5.6	15	
Sodium	227.8	0.20	5	237.3	-190	80.6-119	214.3	6.11	15	SEO
Vanadium	0.06145	0.0050	0.05	0.01625	90.4	82.1-119	0.05842	5.06	15	

MSD		Sample ID: 0612430-05DMSD				Units: mg/L		Analysis Date: 01/03/07 2:21		
Client ID: MW-55		Run ID: ICPMS02_070102A				SeqNo: 1027582		Prep Date: 12/26/2006		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Zinc	0.05418	0.0050	0.05	0.007675	93	79-118	0.05169	4.7	15	

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: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: 21383 Instrument ID ICPMS02 Method: SW6020

DUP Sample ID: 0612430-05DDUP Units: mg/L Analysis Date: 12/30/06 22:49

Client ID: MW-55 Run ID: ICPMS02_061230A SeqNo: 1026718 Prep Date: 12/26/2006 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.08509	0.010	0	0	0	0-0	0.07298	15.3	25	
Arsenic	0.009558	0.0050	0	0	0	0-0	0.009837	2.88	25	
Barium	0.01198	0.0050	0	0	0	0-0	0.01186	1.01	25	
Beryllium	ND	0.0020	0	0	0	0-0	0.000333	0	25	
Boron	0.6624	0.020	0	0	0	0-0	0.6476	2.26	25	
Cadmium	0.0003749	0.0020	0	0	0	0-0	0.0004889	0	25	J
Chromium	0.001828	0.0050	0	0	0	0-0	0.001989	0	25	J
Cobalt	0.004104	0.0050	0	0	0	0-0	0.004251	0	25	J
Copper	0.001113	0.0050	0	0	0	0-0	0.001534	0	25	J
Iron	0.08597	0.20	0	0	0	0-0	0.1018	0	25	J
Lead	0.001226	0.0050	0	0	0	0-0	0.001303	0	25	J
Manganese	0.6739	0.0050	0	0	0	0-0	0.6577	2.43	25	
Molybdenum	0.02933	0.0050	0	0	0	0-0	0.02858	2.59	25	
Nickel	0.01112	0.0050	0	0	0	0-0	0.01159	4.14	25	
Potassium	0.9073	0.20	0	0	0	0-0	0.8943	1.44	25	
Selenium	0.01367	0.0050	0	0	0	0-0	0.01345	1.62	25	
Silver	ND	0.0050	0	0	0	0-0	0.0001302	0	25	
Vanadium	0.01659	0.0050	0	0	0	0-0	0.01625	2.07	25	

DUP Sample ID: 0612430-05DDUP Units: mg/L Analysis Date: 01/02/07 23:22

Client ID: MW-55 Run ID: ICPMS02_070102A SeqNo: 1027433 Prep Date: 12/26/2006 DF: 100

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	454.4	50	0	0	0	0-0	500.2	9.6	25	
Magnesium	274.8	20	0	0	0	0-0	299.2	8.5	25	
Sodium	199.4	20	0	0	0	0-0	218.8	9.28	25	

DUP Sample ID: 0612430-05DDUP Units: mg/L Analysis Date: 01/03/07 1:39

Client ID: MW-55 Run ID: ICPMS02_070102A SeqNo: 1027577 Prep Date: 12/26/2006 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Zinc	0.007708	0.0050	0	0	0	0-0	0.007675	0.429	25	

The following samples were analyzed in this batch:

0612430-01E	0612430-02E	0612430-03E
0612430-04E	0612430-05D	0612430-06E
0612430-07E	0612430-08D	0612430-09D
0612430-10D	0612430-11E	0612430-12D
0612430-13D		

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CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia

QC BATCH REPORT

Batch ID: 21451 Instrument ID Mercury Method: SW7470

MBLK Sample ID: GBLKW2-010207 Units: mg/L Analysis Date: 01/02/07 16:20

Client ID: Run ID: MERCURY_070102B SeqNo: 1027294 Prep Date: 1/2/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020								

LCS Sample ID: GLCSW2-010207 Units: mg/L Analysis Date: 01/02/07 16:22

Client ID: Run ID: MERCURY_070102B SeqNo: 1027296 Prep Date: 1/2/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00519	0.00020	0.005	0	104	85-115	0			

LCSD Sample ID: GLCSDW2-010207 Units: mg/L Analysis Date: 01/02/07 16:24

Client ID: Run ID: MERCURY_070102B SeqNo: 1027297 Prep Date: 1/2/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00519	0.00020	0.005	0	104	85-115	0.00519	0	20	

MS Sample ID: 0612482-01DMS Units: mg/L Analysis Date: 01/02/07 16:30

Client ID: Run ID: MERCURY_070102B SeqNo: 1027300 Prep Date: 1/2/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00521	0.00020	0.005	-0.000018	105	85-115	0			

MSD Sample ID: 0612482-01DMSD Units: mg/L Analysis Date: 01/02/07 16:32

Client ID: Run ID: MERCURY_070102B SeqNo: 1027301 Prep Date: 1/2/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00534	0.00020	0.005	-0.000018	107	85-115	0.00521	2.46	20	

DUP Sample ID: 0612482-01DDUP Units: mg/L Analysis Date: 01/02/07 16:28

Client ID: Run ID: MERCURY_070102B SeqNo: 1027299 Prep Date: 1/2/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020	0	0	0	0-0	-0.000018	0	20	

The following samples were analyzed in this batch:

0612430-01E	0612430-02E	0612430-03E
0612430-04E	0612430-05D	0612430-06E
0612430-07E	0612430-08D	0612430-09D
0612430-10D	0612430-11E	0612430-12D
0612430-13D		

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E - Value above quantitation range

CLIENT: Navajo Refining Company
 Work Order: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: **R45527** Instrument ID **VOA2** Method: **SW8260**

MBLK Sample ID: **VBLKW-070102** Units: **µg/L** Analysis Date: **01/02/07 16:23**
 Client ID: Run ID: **VOA2_070102A** SeqNo: **1027732** 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								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
2-Butanone	ND	10								
2-Hexanone	ND	10								
4-Isopropyltoluene	ND	5.0								
4-Methyl-2-pentanone	ND	10								
Acetone	ND	10								
Benzene	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	10								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								
Ethylbenzene	ND	5.0								
Isopropylbenzene	ND	5.0								
m,p-Xylene	ND	10								
Methyl tert-butyl ether	ND	5.0								
Methylene chloride	ND	10								
n-Butylbenzene	ND	5.0								
n-Propylbenzene	ND	5.0								
Naphthalene	ND	5.0								
o-Xylene	ND	5.0								
sec-Butylbenzene	ND	5.0								
Styrene	ND	5.0								
Tetrachloroethene	ND	5.0								

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: 0612430
Project: Artesia

QC BATCH REPORT

Batch ID: R45527	Instrument ID VOA2	Method: SW8260						
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	42.62	5.0	50	0	85.2	70-125	0	
Surr: 4-Bromofluorobenzene	37.88	5.0	50	0	75.8	72.4-125	0	
Surr: Dibromofluoromethane	43.35	5.0	50	0	86.7	71.2-125	0	
Surr: Toluene-d8	45.77	5.0	50	0	91.5	75-125	0	

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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: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: **R45527** Instrument ID **VOA2** Method: **SW8260**

LCS Sample ID: **VLCSW-070102** Units: **µg/L** Analysis Date: **01/02/07 15:32**

Client ID: Run ID: **VOA2_070102A** SeqNo: **1027731** 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	47.72	5.0	50	0	95.4	79.6-120	0			
1,1,2,2-Tetrachloroethane	46.81	5.0	50	0	93.6	78.9-121	0			
1,1,2-Trichloroethane	46.07	5.0	50	0	92.1	80-120	0			
1,1-Dichloroethane	47.98	5.0	50	0	96	74.2-122	0			
1,1-Dichloroethene	49.83	5.0	50	0	99.7	75.8-122	0			
1,2,4-Trimethylbenzene	49.11	5.0	50	0	98.2	80-120	0			
1,2-Dibromoethane	48.89	5.0	50	0	97.8	80-120	0			
1,2-Dichloroethane	46.5	5.0	50	0	93	78.8-120	0			
1,2-Dichloropropane	49.44	5.0	50	0	98.9	80-120	0			
1,3,5-Trimethylbenzene	48.59	5.0	50	0	97.2	80-120	0			
2-Butanone	104.3	10	100	0	104	69.2-131	0			
2-Hexanone	100.3	10	100	0	100	59.1-135	0			
4-Isopropyltoluene	49.57	5.0	50	0	99.1	80-120	0			
4-Methyl-2-pentanone	96.96	10	100	0	97	71.6-124	0			
Acetone	107.4	10	100	0	107	60.1-141	0			
Benzene	49.62	5.0	50	0	99.2	80-120	0			
Bromodichloromethane	49.38	5.0	50	0	98.8	80-120	0			
Bromoform	48.8	5.0	50	0	97.6	78.1-120	0			
Bromomethane	50.64	5.0	50	0	101	52.8-147	0			
Carbon disulfide	101.3	10	100	0	101	78.8-120	0			
Carbon tetrachloride	43.54	5.0	50	0	87.1	76.8-120	0			
Chlorobenzene	48.29	5.0	50	0	96.6	80-120	0			
Chloroethane	49.68	5.0	50	0	99.4	74.2-120	0			
Chloroform	47.98	5.0	50	0	96	80-120	0			
Chloromethane	48.69	5.0	50	0	97.4	63.5-133	0			
cis-1,2-Dichloroethene	47.78	5.0	50	0	95.6	80-120	0			
cis-1,3-Dichloropropene	48.06	5.0	50	0	96.1	80-120	0			
Dibromochloromethane	49.33	5.0	50	0	98.7	80-120	0			
Ethylbenzene	52.28	5.0	50	0	105	80-120	0			
Isopropylbenzene	48.15	5.0	50	0	96.3	80-120	0			
m,p-Xylene	98.01	10	100	0	98	80-120	0			
Methyl tert-butyl ether	49.44	5.0	50	0	98.9	75.8-123	0			
Methylene chloride	49.81	10	50	0	99.6	74.7-120	0			
n-Butylbenzene	49.64	5.0	50	0	99.3	80-120	0			
n-Propylbenzene	48.76	5.0	50	0	97.5	80-120	0			
Naphthalene	51.39	5.0	50	0	103	71.4-124	0			
o-Xylene	50.53	5.0	50	0	101	80-120	0			
sec-Butylbenzene	48.06	5.0	50	0	96.1	80-120	0			
Styrene	53.21	5.0	50	0	106	80-120	0			
Tetrachloroethene	48.75	5.0	50	0	97.5	80-120	0			

ND - Not Detected at the Reporting Limit

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U - Analyzed for but not detected

E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia

QC BATCH REPORT

Batch ID: R45527		Instrument ID VOA2		Method: SW8260			
Toluene	51.2	5.0	50	0	102	80-120	0
trans-1,2-Dichloroethene	48.39	5.0	50	0	96.8	75.9-122	0
trans-1,3-Dichloropropene	52.12	5.0	50	0	104	80-120	0
Trichloroethene	50.28	5.0	50	0	101	80-120	0
Vinyl chloride	49.92	2.0	50	0	99.8	76.2-121	0
Xylenes, Total	148.5	15	150	0	99	80-120	0
Surr: 1,2-Dichloroethane-d4	41.42	5.0	50	0	82.8	70-125	0
Surr: 4-Bromofluorobenzene	42.19	5.0	50	0	84.4	72.4-125	0
Surr: Dibromofluoromethane	42.74	5.0	50	0	85.5	71.2-125	0
Surr: Toluene-d8	45.06	5.0	50	0	90.1	75-125	0

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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: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: R45527 Instrument ID VOA2 Method: SW8260

MS		Sample ID: 0612430-02AMS		Units: µg/L		Analysis Date: 01/02/07 18:03				
Client ID: TEL #1		Run ID: VOA2_070102A		SeqNo: 1027736		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	46.38	5.0	50	0	92.8	79.6-120	0			
1,1,2,2-Tetrachloroethane	46.52	5.0	50	0	93	78.9-121	0			
1,1,2-Trichloroethane	44.8	5.0	50	0	89.6	80-120	0			
1,1-Dichloroethane	47.77	5.0	50	0	95.5	74.2-122	0			
1,1-Dichloroethene	47.98	5.0	50	0	96	75.8-122	0			
1,2,4-Trimethylbenzene	52.71	5.0	50	4.682	96.1	80-120	0			
1,2-Dibromoethane	48.2	5.0	50	0	96.4	80-120	0			
1,2-Dichloroethane	44.34	5.0	50	0	88.7	78.8-120	0			
1,2-Dichloropropane	47.09	5.0	50	0	94.2	80-120	0			
1,3,5-Trimethylbenzene	49.58	5.0	50	3.568	92	80-120	0			
2-Butanone	97.09	10	100	0	97.1	69.2-131	0			
2-Hexanone	97	10	100	0	97	59.1-135	0			
4-Isopropyltoluene	48.91	5.0	50	0	97.8	80-120	0			
4-Methyl-2-pentanone	101	10	100	0	101	71.6-124	0			
Acetone	98.8	10	100	0	98.8	60.1-141	0			
Benzene	52.89	5.0	50	2.202	101	80-120	0			
Bromodichloromethane	48.26	5.0	50	0	96.5	80-120	0			
Bromoform	48.9	5.0	50	0	97.8	78.1-120	0			
Bromomethane	34.72	5.0	50	0	69.4	52.8-147	0			
Carbon disulfide	99.51	10	100	0	99.5	78.8-120	0			
Carbon tetrachloride	41.46	5.0	50	0	82.9	76.8-120	0			
Chlorobenzene	45.92	5.0	50	0	91.8	80-120	0			
Chloroethane	50.27	5.0	50	0	101	74.2-120	0			
Chloroform	46.68	5.0	50	0	93.4	80-120	0			
Chloromethane	45.74	5.0	50	0	91.5	63.5-133	0			
cis-1,2-Dichloroethene	48.88	5.0	50	0	97.8	80-120	0			
cis-1,3-Dichloropropene	48.17	5.0	50	0	96.3	80-120	0			
Dibromochloromethane	48.88	5.0	50	0	97.8	80-120	0			
Ethylbenzene	52.85	5.0	50	1.367	103	80-120	0			
Isopropylbenzene	63.51	5.0	50	19.3	88.4	80-120	0			
m,p-Xylene	97.29	10	100	2.72	94.6	80-120	0			
Methyl tert-butyl ether	56.93	5.0	50	4.291	105	75.8-123	0			
Methylene chloride	50.2	10	50	0	100	74.7-120	0			
n-Butylbenzene	51.79	5.0	50	0	104	80-120	0			
n-Propylbenzene	48.91	5.0	50	2.657	92.5	80-120	0			
Naphthalene	67.1	5.0	50	4.791	125	71.4-124	0			S
o-Xylene	50.95	5.0	50	2.591	96.7	80-120	0			
sec-Butylbenzene	52.12	5.0	50	6.745	90.7	80-120	0			
Styrene	50.49	5.0	50	0	101	80-120	0			
Tetrachloroethene	46.5	5.0	50	0	93	80-120	0			

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CLIENT: Navajo Refining Company
Work Order: 0612430
Project: Artesia

QC BATCH REPORT

Batch ID: R45527		Instrument ID VOA2		Method: SW8260			
Toluene	51.12	5.0	50	1.531	99.2	80-120	0
trans-1,2-Dichloroethene	48.06	5.0	50	0	96.1	75.9-122	0
trans-1,3-Dichloropropene	50.9	5.0	50	0	102	80-120	0
Trichloroethene	49.07	5.0	50	0	98.1	80-120	0
Vinyl chloride	46.14	2.0	50	0	92.3	76.2-121	0
Xylenes, Total	148.2	15	150	5.311	95.3	80-120	0
Surr: 1,2-Dichloroethane-d4	40.1	5.0	50	0	80.2	70-125	0
Surr: 4-Bromofluorobenzene	40.66	5.0	50	0	81.3	72.4-125	0
Surr: Dibromofluoromethane	43.81	5.0	50	0	87.6	71.2-125	0
Surr: Toluene-d8	43.53	5.0	50	0	87.1	75-125	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: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: R45527 Instrument ID VOA2 Method: SW8260

MSD		Sample ID: 0612430-02AMSD		Units: µg/L		Analysis Date: 01/02/07 18:28				
Client ID: TEL #1		Run ID: VOA2_070102A		SeqNo: 1027737		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	46.5	5.0	50	0	93	79.6-120	46.38	0.267	20	
1,1,2,2-Tetrachloroethane	48.07	5.0	50	0	96.1	78.9-121	46.52	3.28	20	
1,1,2-Trichloroethane	45.56	5.0	50	0	91.1	80-120	44.8	1.68	20	
1,1-Dichloroethane	47.92	5.0	50	0	95.8	74.2-122	47.77	0.295	20	
1,1-Dichloroethene	49.3	5.0	50	0	98.6	75.8-122	47.98	2.71	20	
1,2,4-Trimethylbenzene	51.97	5.0	50	4.682	94.6	80-120	52.71	1.41	20	
1,2-Dibromoethane	49.61	5.0	50	0	99.2	80-120	48.2	2.89	20	
1,2-Dichloroethane	45.27	5.0	50	0	90.5	78.8-120	44.34	2.09	20	
1,2-Dichloropropane	47.92	5.0	50	0	95.8	80-120	47.09	1.74	20	
1,3,5-Trimethylbenzene	49.97	5.0	50	3.568	92.8	80-120	49.58	0.775	20	
2-Butanone	107.9	10	100	0	108	69.2-131	97.09	10.5	20	
2-Hexanone	106.4	10	100	0	106	59.1-135	97	9.26	20	
4-Isopropyltoluene	49.83	5.0	50	0	99.7	80-120	48.91	1.85	20	
4-Methyl-2-pentanone	109.2	10	100	0	109	71.6-124	101	7.79	20	
Acetone	108.8	10	100	0	109	60.1-141	98.8	9.59	20	
Benzene	51.74	5.0	50	2.202	99.1	80-120	52.89	2.2	20	
Bromodichloromethane	49.07	5.0	50	0	98.1	80-120	48.26	1.66	20	
Bromoform	50.78	5.0	50	0	102	78.1-120	48.9	3.76	20	
Bromomethane	35.1	5.0	50	0	70.2	52.8-147	34.72	1.09	20	
Carbon disulfide	104.9	10	100	0	105	78.8-120	99.51	5.23	20	
Carbon tetrachloride	43.81	5.0	50	0	87.6	76.8-120	41.46	5.51	20	
Chlorobenzene	46.25	5.0	50	0	92.5	80-120	45.92	0.726	20	
Chloroethane	52.57	5.0	50	0	105	74.2-120	50.27	4.46	20	
Chloroform	46.13	5.0	50	0	92.3	80-120	46.68	1.19	20	
Chloromethane	47.17	5.0	50	0	94.3	63.5-133	45.74	3.08	20	
cis-1,2-Dichloroethene	49.76	5.0	50	0	99.5	80-120	48.88	1.78	20	
cis-1,3-Dichloropropene	48.69	5.0	50	0	97.4	80-120	48.17	1.08	20	
Dibromochloromethane	49.67	5.0	50	0	99.3	80-120	48.88	1.62	20	
Ethylbenzene	53.13	5.0	50	1.367	104	80-120	52.85	0.542	20	
Isopropylbenzene	63.83	5.0	50	19.3	89.1	80-120	63.51	0.494	20	
m,p-Xylene	96.74	10	100	2.72	94	80-120	97.29	0.569	20	
Methyl tert-butyl ether	57.75	5.0	50	4.291	107	75.8-123	56.93	1.43	20	
Methylene chloride	49.22	10	50	0	98.4	74.7-120	50.2	1.98	20	
n-Butylbenzene	52.26	5.0	50	0	105	80-120	51.79	0.907	20	
n-Propylbenzene	49.83	5.0	50	2.657	94.3	80-120	48.91	1.85	20	
Naphthalene	68.19	5.0	50	4.791	127	71.4-124	67.1	1.61	20	S
o-Xylene	50.92	5.0	50	2.591	96.7	80-120	50.95	0.054	20	
sec-Butylbenzene	53.32	5.0	50	6.745	93.1	80-120	52.12	2.28	20	
Styrene	50.41	5.0	50	0	101	80-120	50.49	0.144	20	
Tetrachloroethene	47.31	5.0	50	0	94.6	80-120	46.5	1.73	20	

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: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: R45527	Instrument ID VOA2			Method: SW8260					
Toluene	51.68	5.0	50	1.531	100	80-120	51.12	1.1	20
trans-1,2-Dichloroethene	49.23	5.0	50	0	98.5	75.9-122	48.06	2.41	20
trans-1,3-Dichloropropene	51.83	5.0	50	0	104	80-120	50.9	1.81	20
Trichloroethene	49.65	5.0	50	0	99.3	80-120	49.07	1.18	20
Vinyl chloride	51.57	2.0	50	0	103	76.2-121	46.14	11.1	20
Xylenes, Total	147.7	15	150	5.311	94.9	80-120	148.2	0.392	20
Surr: 1,2-Dichloroethane-d4	39.82	5.0	50	0	79.6	70-125	40.1	0.699	20
Surr: 4-Bromofluorobenzene	40.79	5.0	50	0	81.6	72.4-125	40.66	0.334	20
Surr: Dibromofluoromethane	40.8	5.0	50	0	81.6	71.2-125	43.81	7.12	20
Surr: Toluene-d8	43.88	5.0	50	0	87.8	75-125	43.53	0.795	20

The following samples were analyzed in this batch:

0612430-01A	0612430-02A	0612430-03A
0612430-04A	0612430-05A	0612430-06A
0612430-07A	0612430-08A	0612430-14A
0612430-15A	0612430-16A	0612430-17A

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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E - Value above quantitation range

CLIENT: Navajo Refining Company
 Work Order: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: R45550 Instrument ID VOA2 Method: SW8260

MBLK Sample ID: VBLKW-070103 Units: µg/L Analysis Date: 01/03/07 12:33

Client ID: Run ID: VOA2_070103A SeqNo: 1028189 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								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
2-Butanone	ND	10								
2-Hexanone	ND	10								
4-Isopropyltoluene	ND	5.0								
4-Methyl-2-pentanone	ND	10								
Acetone	ND	10								
Benzene	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	10								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								
Ethylbenzene	ND	5.0								
Isopropylbenzene	ND	5.0								
m,p-Xylene	ND	10								
Methyl tert-butyl ether	ND	5.0								
Methylene chloride	ND	10								
n-Butylbenzene	ND	5.0								
n-Propylbenzene	ND	5.0								
Naphthalene	ND	5.0								
o-Xylene	ND	5.0								
sec-Butylbenzene	ND	5.0								
Styrene	ND	5.0								
Tetrachloroethene	ND	5.0								

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: 0612430
Project: Artesia

QC BATCH REPORT

Batch ID: R45550		Instrument ID VOA2		Method: SW8260				
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	43.57	5.0	50	0	87.1	70-125	0	
Surr: 4-Bromofluorobenzene	36.38	5.0	50	0	72.8	72.4-125	0	
Surr: Dibromofluoromethane	43.99	5.0	50	0	88	71.2-125	0	
Surr: Toluene-d8	47.41	5.0	50	0	94.8	75-125	0	

ND - Not Detected at the Reporting Limit

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E - Value above quantitation range

CLIENT: Navajo Refining Company
 Work Order: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: R45550 Instrument ID VOA2 Method: SW8260

LCS Sample ID: VLCSW-070103 Units: µg/L Analysis Date: 01/03/07 11:43

Client ID: Run ID: VOA2_070103A SeqNo: 1028188 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	50.66	5.0	50	0	101	79.6-120	0			
1,1,2,2-Tetrachloroethane	45.53	5.0	50	0	91.1	78.9-121	0			
1,1,2-Trichloroethane	45.63	5.0	50	0	91.3	80-120	0			
1,1-Dichloroethane	50.02	5.0	50	0	100	74.2-122	0			
1,1-Dichloroethene	52.36	5.0	50	0	105	75.8-122	0			
1,2,4-Trimethylbenzene	49.46	5.0	50	0	98.9	80-120	0			
1,2-Dibromoethane	47.65	5.0	50	0	95.3	80-120	0			
1,2-Dichloroethane	45.87	5.0	50	0	91.7	78.8-120	0			
1,2-Dichloropropane	49.06	5.0	50	0	98.1	80-120	0			
1,3,5-Trimethylbenzene	49.48	5.0	50	0	99	80-120	0			
2-Butanone	109	10	100	0	109	69.2-131	0			
2-Hexanone	99.06	10	100	0	99.1	59.1-135	0			
4-Isopropyltoluene	50.51	5.0	50	0	101	80-120	0			
4-Methyl-2-pentanone	94.4	10	100	0	94.4	71.6-124	0			
Acetone	123.3	10	100	0	123	60.1-141	0			
Benzene	48.7	5.0	50	0	97.4	80-120	0			
Bromodichloromethane	49.06	5.0	50	0	98.1	80-120	0			
Bromoform	48.38	5.0	50	0	96.8	78.1-120	0			
Bromomethane	42.14	5.0	50	0	84.3	52.8-147	0			
Carbon disulfide	109.2	10	100	0	109	78.8-120	0			
Carbon tetrachloride	46.04	5.0	50	0	92.1	76.8-120	0			
Chlorobenzene	47.57	5.0	50	0	95.1	80-120	0			
Chloroethane	53.38	5.0	50	0	107	74.2-120	0			
Chloroform	48.91	5.0	50	0	97.8	80-120	0			
Chloromethane	46.78	5.0	50	0	93.6	63.5-133	0			
cis-1,2-Dichloroethene	50.63	5.0	50	0	101	80-120	0			
cis-1,3-Dichloropropene	46.91	5.0	50	0	93.8	80-120	0			
Dibromochloromethane	48.62	5.0	50	0	97.2	80-120	0			
Ethylbenzene	52.27	5.0	50	0	105	80-120	0			
Isopropylbenzene	48.2	5.0	50	0	96.4	80-120	0			
m,p-Xylene	98.22	10	100	0	98.2	80-120	0			
Methyl tert-butyl ether	49.65	5.0	50	0	99.3	75.8-123	0			
Methylene chloride	51.61	10	50	0	103	74.7-120	0			
n-Butylbenzene	50.77	5.0	50	0	102	80-120	0			
n-Propylbenzene	49.48	5.0	50	0	99	80-120	0			
Naphthalene	50.34	5.0	50	0	101	71.4-124	0			
o-Xylene	49.52	5.0	50	0	99	80-120	0			
sec-Butylbenzene	49.88	5.0	50	0	99.8	80-120	0			
Styrene	52.68	5.0	50	0	105	80-120	0			
Tetrachloroethene	50.19	5.0	50	0	100	80-120	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: 0612430
Project: Artesia

QC BATCH REPORT

Batch ID: R45550		Instrument ID VOA2		Method: SW8260			
Toluene	52	5.0	50	0	104	80-120	0
trans-1,2-Dichloroethene	50.67	5.0	50	0	101	75.9-122	0
trans-1,3-Dichloropropene	50.48	5.0	50	0	101	80-120	0
Trichloroethene	49.3	5.0	50	0	98.6	80-120	0
Vinyl chloride	52.15	2.0	50	0	104	76.2-121	0
Xylenes, Total	147.7	15	150	0	98.5	80-120	0
Surr: 1,2-Dichloroethane-d4	41.4	5.0	50	0	82.8	70-125	0
Surr: 4-Bromofluorobenzene	41.81	5.0	50	0	83.6	72.4-125	0
Surr: Dibromofluoromethane	45.19	5.0	50	0	90.4	71.2-125	0
Surr: Toluene-d8	44.34	5.0	50	0	88.7	75-125	0

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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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: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: R45550 Instrument ID VOA2 Method: SW8260

MS Sample ID: 0612430-03AMS Units: µg/L Analysis Date: 01/03/07 17:34

Client ID: TEL #2 Run ID: VOA2_070103A SeqNo: 1028211 Prep Date: DF: 25

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1247	120	1250	0	99.7	79.6-120	0			
1,1,2,2-Tetrachloroethane	1127	120	1250	0	90.2	78.9-121	0			
1,1,2-Trichloroethane	1140	120	1250	0	91.2	80-120	0			
1,1-Dichloroethane	1204	120	1250	0	96.3	74.2-122	0			
1,1-Dichloroethene	1255	120	1250	0	100	75.8-122	0			
1,2,4-Trimethylbenzene	1399	120	1250	183.3	97.3	80-120	0			
1,2-Dibromoethane	1198	120	1250	0	95.9	80-120	0			
1,2-Dichloroethane	1152	120	1250	0	92.1	78.8-120	0			
1,2-Dichloropropane	1222	120	1250	0	97.7	80-120	0			
1,3,5-Trimethylbenzene	1262	120	1250	71.71	95.2	80-120	0			
2-Butanone	2616	250	2500	0	105	69.2-131	0			
2-Hexanone	2331	250	2500	0	93.3	59.1-135	0			
4-Isopropyltoluene	1260	120	1250	0	101	80-120	0			
4-Methyl-2-pentanone	2313	250	2500	0	92.5	71.6-124	0			
Acetone	2716	250	2500	0	109	60.1-141	0			
Benzene	2714	120	1250	1822	71.4	80-120	0			S
Bromodichloromethane	1231	120	1250	0	98.5	80-120	0			
Bromoform	1191	120	1250	0	95.3	78.1-120	0			
Bromomethane	744.1	120	1250	0	59.5	52.8-147	0			
Carbon disulfide	2632	250	2500	0	105	78.8-120	0			
Carbon tetrachloride	1135	120	1250	0	90.8	76.8-120	0			
Chlorobenzene	1189	120	1250	0	95.1	80-120	0			
Chloroethane	1299	120	1250	0	104	74.2-120	0			
Chloroform	1260	120	1250	0	101	80-120	0			
Chloromethane	1190	120	1250	0	95.2	63.5-133	0			
cis-1,2-Dichloroethene	1251	120	1250	0	100	80-120	0			
cis-1,3-Dichloropropene	1146	120	1250	0	91.7	80-120	0			
Dibromochloromethane	1206	120	1250	0	96.5	80-120	0			
Ethylbenzene	1363	120	1250	34.05	106	80-120	0			
Isopropylbenzene	1263	120	1250	83.1	94.4	80-120	0			
m,p-Xylene	2688	250	2500	228	98.4	80-120	0			
Methyl tert-butyl ether	1233	120	1250	0	98.7	75.8-123	0			
Methylene chloride	1272	250	1250	0	102	74.7-120	0			
n-Butylbenzene	1294	120	1250	0	104	80-120	0			
n-Propylbenzene	1290	120	1250	91.75	95.8	80-120	0			
Naphthalene	1259	120	1250	126.8	90.6	71.4-124	0			
o-Xylene	1263	120	1250	22.74	99.3	80-120	0			
sec-Butylbenzene	1254	120	1250	84.55	93.6	80-120	0			
Styrene	1307	120	1250	0	105	80-120	0			
Tetrachloroethene	1240	120	1250	0	99.2	80-120	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: 0612430
Project: Artesia

QC BATCH REPORT

Batch ID: R45550		Instrument ID VOA2		Method: SW8260			
Toluene	1367	120	1250	119.7	99.8	80-120	0
trans-1,2-Dichloroethene	1225	120	1250	0	98	75.9-122	0
trans-1,3-Dichloropropene	1219	120	1250	0	97.5	80-120	0
Trichloroethene	1233	120	1250	0	98.7	80-120	0
Vinyl chloride	1269	50	1250	0	101	76.2-121	0
Xylenes, Total	3951	380	3750	250.7	98.7	80-120	0
Surr: 1,2-Dichloroethane-d4	1020	120	1250	0	81.6	70-125	0
Surr: 4-Bromofluorobenzene	1039	120	1250	0	83.1	72.4-125	0
Surr: Dibromofluoromethane	1115	120	1250	0	89.2	71.2-125	0
Surr: Toluene-d8	1112	120	1250	0	88.9	75-125	0

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R - RPD outside accepted recovery limits

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CLIENT: Navajo Refining Company
 Work Order: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: R45550 Instrument ID VOA2 Method: SW8260

MSD		Sample ID: 0612430-03AMSD		Units: µg/L		Analysis Date: 01/03/07 17:59				
Client ID: TEL #2		Run ID: VOA2_070103A		SeqNo: 1028213		Prep Date:		DF: 25		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1169	120	1250	0	93.5	79.6-120	1247	6.42	20	
1,1,2,2-Tetrachloroethane	1238	120	1250	0	99	78.9-121	1127	9.36	20	
1,1,2-Trichloroethane	1197	120	1250	0	95.8	80-120	1140	4.89	20	
1,1-Dichloroethane	1220	120	1250	0	97.6	74.2-122	1204	1.33	20	
1,1-Dichloroethene	1234	120	1250	0	98.7	75.8-122	1255	1.65	20	
1,2,4-Trimethylbenzene	1369	120	1250	183.3	94.8	80-120	1399	2.2	20	
1,2-Dibromoethane	1256	120	1250	0	100	80-120	1198	4.7	20	
1,2-Dichloroethane	1230	120	1250	0	98.4	78.8-120	1152	6.6	20	
1,2-Dichloropropane	1238	120	1250	0	99	80-120	1222	1.34	20	
1,3,5-Trimethylbenzene	1208	120	1250	71.71	90.9	80-120	1262	4.38	20	
2-Butanone	3085	250	2500	0	123	69.2-131	2616	16.5	20	
2-Hexanone	2786	250	2500	0	111	59.1-135	2331	17.8	20	
4-Isopropyltoluene	1175	120	1250	0	94	80-120	1260	7.01	20	
4-Methyl-2-pentanone	2691	250	2500	0	108	71.6-124	2313	15.1	20	
Acetone	3232	250	2500	0	129	60.1-141	2716	17.4	20	
Benzene	2665	120	1250	1822	67.4	80-120	2714	1.84	20	S
Bromodichloromethane	1263	120	1250	0	101	80-120	1231	2.56	20	
Bromoform	1285	120	1250	0	103	78.1-120	1191	7.65	20	
Bromomethane	806.1	120	1250	0	64.5	52.8-147	744.1	8	20	
Carbon disulfide	2619	250	2500	0	105	78.8-120	2632	0.505	20	
Carbon tetrachloride	1055	120	1250	0	84.4	76.8-120	1135	7.23	20	
Chlorobenzene	1195	120	1250	0	95.6	80-120	1189	0.471	20	
Chloroethane	1319	120	1250	0	106	74.2-120	1299	1.52	20	
Chloroform	1213	120	1250	0	97	80-120	1260	3.77	20	
Chloromethane	1178	120	1250	0	94.2	63.5-133	1190	1.01	20	
cis-1,2-Dichloroethene	1263	120	1250	0	101	80-120	1251	0.979	20	
cis-1,3-Dichloropropene	1177	120	1250	0	94.1	80-120	1146	2.62	20	
Dibromochloromethane	1277	120	1250	0	102	80-120	1206	5.69	20	
Ethylbenzene	1325	120	1250	34.05	103	80-120	1363	2.82	20	
Isopropylbenzene	1208	120	1250	83.1	90	80-120	1263	4.4	20	
m,p-Xylene	2639	250	2500	228	96.4	80-120	2688	1.82	20	
Methyl tert-butyl ether	1352	120	1250	0	108	75.8-123	1233	9.22	20	
Methylene chloride	1305	250	1250	0	104	74.7-120	1272	2.53	20	
n-Butylbenzene	1181	120	1250	0	94.5	80-120	1294	9.14	20	
n-Propylbenzene	1219	120	1250	91.75	90.1	80-120	1290	5.67	20	
Naphthalene	1498	120	1250	126.8	110	71.4-124	1259	17.3	20	
o-Xylene	1258	120	1250	22.74	98.8	80-120	1263	0.412	20	
sec-Butylbenzene	1146	120	1250	84.55	84.9	80-120	1254	9.05	20	
Styrene	1340	120	1250	0	107	80-120	1307	2.47	20	
Tetrachloroethene	1169	120	1250	0	93.5	80-120	1240	5.91	20	

ND - Not Detected at the Reporting Limit

B - 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: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: R45550		Instrument ID VOA2		Method: SW8260						
Toluene	1355	120	1250	119.7	98.8	80-120	1367	0.924	20	
trans-1,2-Dichloroethene	1238	120	1250	0	99.1	75.9-122	1225	1.06	20	
trans-1,3-Dichloropropene	1274	120	1250	0	102	80-120	1219	4.47	20	
Trichloroethene	1200	120	1250	0	96	80-120	1233	2.78	20	
Vinyl chloride	1238	50	1250	0	99.1	76.2-121	1269	2.41	20	
Xylenes, Total	3897	380	3750	250.7	97.2	80-120	3951	1.37	20	
Surr: 1,2-Dichloroethane-d4	1050	120	1250	0	84	70-125	1020	2.94	20	
Surr: 4-Bromofluorobenzene	1052	120	1250	0	84.2	72.4-125	1039	1.32	20	
Surr: Dibromofluoromethane	1088	120	1250	0	87	71.2-125	1115	2.44	20	
Surr: Toluene-d8	1112	120	1250	0	89	75-125	1112	0.0745	20	

The following samples were analyzed in this batch:

0612430-03A	0612430-04A	0612430-08A
0612430-09A	0612430-10A	0612430-11A
0612430-12A	0612430-13A	

ND - Not Detected at the Reporting Limit

L - 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: 0612430
Project: Artesia

QC BATCH REPORT

Batch ID: **R45219** Instrument ID **WetChem** Method: **E150.1**

LCS Sample ID: **WLCSW1-122206** Units: **pH units** Analysis Date: **12/22/06 0:00**

Client ID: Run ID: **WETCHEM_061222I** SeqNo: **1021675** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.05	0.10	6	0	101	90-110	0			

DUP Sample ID: **0612430-01DDUP** Units: **pH units** Analysis Date: **12/22/06 0:00**

Client ID: **TEL #4** Run ID: **WETCHEM_061222I** SeqNo: **1021689** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.8	0.10	0	0	0	0-0	6.8	0	20	H

The following samples were analyzed in this batch:

0612430-01D	0612430-02D	0612430-03D
0612430-04D	0612430-05C	0612430-06D
0612430-07D	0612430-08C	0612430-09C
0612430-10C	0612430-11D	0612430-12C
0612430-13C		

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: 0612430
Project: Artesia

QC BATCH REPORT

Batch ID: **R45221** Instrument ID **Balance1** Method: **E160.1**

MBLK Sample ID: **BLANK** Units: **mg/L** Analysis Date: **12/22/06 0:00**

Client ID: Run ID: **BALANCE1_061222C** SeqNo: **1021725** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	ND	10								

LCS Sample ID: **LCS** Units: **mg/L** Analysis Date: **12/22/06 0:00**

Client ID: Run ID: **BALANCE1_061222C** SeqNo: **1021726** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	993	10	1000	0	99.3	85-115	0			

DUP Sample ID: **0612430-02DDUP** Units: **mg/L** Analysis Date: **12/22/06 0:00**

Client ID: **TEL #1** Run ID: **BALANCE1_061222C** SeqNo: **1021711** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	3209	10	0	0	0	0-0	3143	2.08	20	

The following samples were analyzed in this batch:

0612430-01D	0612430-02D	0612430-03D
0612430-04D	0612430-05C	0612430-06D
0612430-07D	0612430-08C	0612430-09C
0612430-10C	0612430-11D	0612430-12C
0612430-13C		

ND - Not Detected at the Reporting Limit

U - 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: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: **R45274** Instrument ID **WetChem** Method: **E310.1**

MBLK Sample ID: **WBLKW1-122706** Units: **mg/L** Analysis Date: **12/27/06 0:00**

Client ID: Run ID: **WETCHEM_061227A** SeqNo: **1023187** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	5.0								
Alkalinity, Carbonate (As CaCO3)	ND	5.0								
Alkalinity, Hydroxide (As CaCO3)	ND	5.0								
Alkalinity, Total (As CaCO3)	ND	5.0								

LCS Sample ID: **WLCSW1-122706** Units: **mg/L** Analysis Date: **12/27/06 0:00**

Client ID: Run ID: **WETCHEM_061227A** SeqNo: **1023188** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	980.4	5.0	1000	0	98	80-120	0			

DUP Sample ID: **0612428-01CDUP** Units: **mg/L** Analysis Date: **12/27/06 0:00**

Client ID: Run ID: **WETCHEM_061227A** SeqNo: **1023208** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	283.8	5.0	0	0	0	0-0	278.6	1.83	20	
Alkalinity, Carbonate (As CaCO3)	ND	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Total (As CaCO3)	283.8	5.0	0	0	0	0-0	278.6	1.83	20	

The following samples were analyzed in this batch:

0612430-01D	0612430-02D	0612430-03D
0612430-04D	0612430-05C	0612430-06D
0612430-07D	0612430-08C	0612430-09C
0612430-10C	0612430-11D	0612430-12C
0612430-13C		

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: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: R45367 Instrument ID IC201 Method: E300

MBLK	Sample ID: WBLKW2-122706					Units: mg/L		Analysis Date: 12/28/06 4:21		
Client ID:	Run ID: IC201_061227B				SeqNo: 1025053		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	ND	0.10								
Surr: Selenate (surr)	6.125	0.10	5	0	122	85-115	0			S

LCS	Sample ID: WLCSW2-364-41-					Units: mg/L		Analysis Date: 12/28/06 4:43		
Client ID:	Run ID: IC201_061227B				SeqNo: 1025054		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	8.283	0.10	8	0	104	90-110	0			
Surr: Selenate (surr)	4.818	0.10	5	0	96.4	85-115	0			

MS	Sample ID: 0612430-05BMS					Units: mg/L		Analysis Date: 12/28/06 7:16		
Client ID: MW-55	Run ID: IC201_061227B				SeqNo: 1025061		Prep Date:		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	21.58	0.50	20	3.706	89.4	80-120	0			
Surr: Selenate (surr)	26.01	0.50	25	0	104	80-120	0			

MSD	Sample ID: 0612430-05BMSD					Units: mg/L		Analysis Date: 12/28/06 7:38		
Client ID: MW-55	Run ID: IC201_061227B				SeqNo: 1025062		Prep Date:		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	21.07	0.50	20	3.706	86.8	80-120	21.58	2.38	20	
Surr: Selenate (surr)	26.08	0.50	25	0	104	80-120	26.01	0.273	20	

DUP	Sample ID: 0612430-05BDUP					Units: mg/L		Analysis Date: 12/28/06 6:54		
Client ID: MW-55	Run ID: IC201_061227B				SeqNo: 1025060		Prep Date:		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	3.72	0.50	0	0	0	0-0	3.706	0.377	20	
Surr: Selenate (surr)	25.98	0.50	25	0	104	80-120	26.06	0.3	20	

The following samples were analyzed in this batch:

0612430-01C	0612430-02C	0612430-03C
0612430-04C	0612430-05B	0612430-06C
0612430-07C	0612430-08B	0612430-09B
0612430-10B	0612430-11C	0612430-12B
0612430-13B		

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: 0612430
 Project: Artesia

QC BATCH REPORT

Batch ID: **R45506** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW4-122906** Units: **mg/L** Analysis Date: **12/29/06 21:38**

Client ID: Run ID: **IC201_061229A** SeqNo: **1027328** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	ND	0.50								
Fluoride	ND	0.10								
Sulfate	ND	1.0								
Surr: Selenate (surr)	5.262	0.10	5	0	105	85-115		0		

LCS Sample ID: **WLC SW4-122906/** Units: **mg/L** Analysis Date: **12/29/06 22:00**

Client ID: Run ID: **IC201_061229A** SeqNo: **1027329** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.41	0.50	20	0	102	90-110		0		
Fluoride	4.132	0.10	4	0	103	90-110		0		
Sulfate	19.6	1.0	20	0	98	90-110		0		
Surr: Selenate (surr)	4.754	0.10	5	0	95.1	85-115		0		

MS Sample ID: **0612430-07DMS** Units: **mg/L** Analysis Date: **12/30/06 5:40**

Client ID: **MW-62** Run ID: **IC201_061229A** SeqNo: **1027389** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	127.9	0.50	10	120.7	72.3	80-120		0		SEO
Fluoride	2.947	0.10	2	0.949	99.9	80-120		0		
Sulfate	347.7	1.0	10	346.6	10.4	80-120		0		SEO
Surr: Selenate (surr)	4.659	0.10	5	0	93.2	80-120		0		

MSD Sample ID: **0612430-07DMSD** Units: **mg/L** Analysis Date: **12/30/06 6:02**

Client ID: **MW-62** Run ID: **IC201_061229A** SeqNo: **1027390** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	129.1	0.50	10	120.7	83.9	80-120	127.9	0.902	20	EO
Fluoride	2.95	0.10	2	0.949	100	80-120	2.947	0.102	20	
Sulfate	348.3	1.0	10	346.6	17.1	80-120	347.7	0.195	20	SEO
Surr: Selenate (surr)	4.601	0.10	5	0	92	80-120	4.659	1.25	20	

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: 0612430
Project: Artesia

QC BATCH REPORT

Batch ID: R45506 Instrument ID IC201 Method: E300

DUP Sample ID: 0612430-07DDUP Units: mg/L Analysis Date: 12/30/06 21:46
Client ID: MW-62 Run ID: IC201_061229A SeqNo: 1027375 Prep Date: DF: 10

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	118.6	5.0	0	0	0	0-0	118.4	0.128	20	
Fluoride	1.045	1.0	0	0	0	0-0	1.049	0.382	20	
Sulfate	343.5	10	0	0	0	0-0	342.1	0.392	20	
Surr: Selenate (surr)	45.45	1.0	50	0	90.9	80-120	45.96	1.12	20	

DUP Sample ID: 0612430-07DDUP Units: mg/L Analysis Date: 12/30/06 5:19
Client ID: MW-62 Run ID: IC201_061229A SeqNo: 1027388 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	120.2	0.50	0	0	0	0-0	120.7	0.419	20	E
Fluoride	0.969	0.10	0	0	0	0-0	0.949	2.09	20	
Sulfate	344.6	1.0	0	0	0	0-0	346.6	0.581	20	E
Surr: Selenate (surr)	4.618	0.10	5	0	92.4	80-120	4.553	1.42	20	

The following samples were analyzed in this batch:

0612430-01D	0612430-02D	0612430-03D
0612430-04D	0612430-05C	0612430-06D
0612430-07D	0612430-08C	0612430-09C
0612430-10C	0612430-11D	0612430-12C
0612430-13C		

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

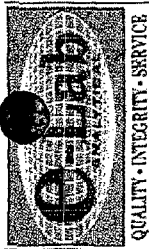
R - RPD outside accepted recovery limits

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



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(Tel) 281.530.5656
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Chain of Custody Form

e-Lab Analytical, Inc.
3352 128th Avenue
Holland, Michigan 49424
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Page 1 of 2

Customer Information				Project Information				Parameter/Method Request for Analysis											
Purchase Order				Project Name				VOC (8280)											
Work Order				Project Number				TPH (8015M) GRO											
Company Name				Bill To Company				Total Metals (6020/7000) RCRA 8											
Send Report To				Invoice/Attn				TPH (8015M) DRO											
Address				Address				Anions (300) Cl, NO3, NO2, FI, SO4											
City/State/Zip				City/State/Zip				Alkalinity, HCO_3^- , CO_3^{2-} , pH											
Phone				Phone				TDS											
Fax				Fax															
e-Mail Address				e-Mail Address															
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold		
1	TEL #4	12-20-06	1045	H2O	1,2,3,8	11	X	X	X	X	X	X	X	X					
2	TEL #1	12-20-06	1140	H2O	1,2,3,8	11	X	X	X	X	X	X	X	X					
3	TEL #2	12-20-06	1155	H2O	1,2,3,8	11	X	X	X	X	X	X	X	X					
4	MW-49	12-20-06	1243	H2O	1,2,3,8	11	X	X	X	X	X	X	X	X					
5	MW-55	12-20-06	1420	H2O	1,2,3,8	8	X	X	X	X	X	X	X	X					
6	MW-18	12-20-06	1525	H2O	1,2,3,8	11	X	X	X	X	X	X	X	X					
7	MW-62	12-21-06	1122	H2O	1,2,3,8	11	X	X	X	X	X	X	X	X					
8	MW-43	12-21-06	1220	H2O	1,2,3,8	8	X	X	X	X	X	X	X	X					
9	MW-23	12-21-06	1300	H2O	1,2,3,8	8	X	X	X	X	X	X	X	X					
10	MW-42	12-21-06	1330	H2O	1,2,3,8	8	X	X	X	X	X	X	X	X					

Shipment Method				Required Turnaround Time (Check Box)				Notes				Results Due Date			
Fed-X				☒ Std 10 WK Days ☐ 5 WK Days ☐ 2 WK Days ☐ 24 Hour				10 Day TAT							
Sampler(s) Please Print & Sign				Received by Laboratory				e-Lab Analytical				QC Package: (Check One Box Below)			
S. S. Berry				12-21-06 1416				Cooler ID				☒ Level II Std QC ☐ TRRP Check List			
Relinquished by:				Time:				Cooler Temp				☐ Level III Std QC/Raw Data ☐ TRRP Level IV			
Relinquished by:				Time:				Cooler ID				☐ Level IV SW846/CLP ☐ Other			
Logged by (Laboratory):				Time:				Cooler Temp							
Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4°C 9-5035															

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to e-Lab Analytical, Inc.
2. Unless otherwise agreed in a formal contract, services provided by e-Lab Analytical, Inc. are expressly limited to the terms and conditions stated on the reverse.

[illegible]

ote: 1. Any changes must be made in writing once samples and COC Form have been submitted to e-Lab Analytical, Inc.

2. Unless otherwise agreed in a formal contract, services provided by e-Lab Analytical, Inc. are expressly limited to the terms and conditions stated on the reverse.

Copyright 2004 by e-Lab Analytical, Inc.

Sample Receipt Checklist

Client Name: NAVAJO REFININGDate/Time Received: 12/22/2006 11:10:00 AMWork Order Number: 0612430Received by: RSZ

Checklist completed by:

Date: 12/22/06

Reviewed by:

Date: 12/26/06

Matrix:

WCarrier 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)	<u>2.8, 2.6, 3.5, 2.7c</u>	<u>002</u>	
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐

Adjusted?

Checked by

Labor Notes

Client contacted:

Date contacted:

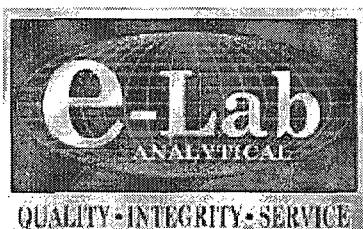
Person contacted

Contacted by

Regarding:

Comments:

Core Data Action



e-Lab Analytical, Inc.

10450 Standliff Rd, Suite 210 Houston, Texas 77099-4338 (281) 530-5656 Fax (281) 530-5887

January 09, 2007

Darrell Moore
Navajo Refining Company
P.O. Box 159
Artesia, New Mexico 88211

Tel: (505) 746-5281
Fax: (505) 746-5421

Re: Artesia

Work Order : **0612503**

Dear Darrell Moore,

e-Lab Analytical, Inc. received 26 samples on 12/29/2006 8:45:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by e-Lab Analytical, Inc. and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by e-Lab Analytical, Inc. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 97.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Jeffrey L Croston

Electronically approved by: Ed B. Fry

Jeffrey L Croston

Project Manager



Certificate No: T104704231-06-TX



ORIGIN ID: ROWA (505) /40-3311
NAVAJO REFINING
NAVAJO REFINING COMPANY
501 E. MAIN STREET

Ship Date: 21DEC06
ActWgt: 64.0 LB MAN
System#: 185697/CAFE232
Account: S 113684186

W104 0612430

ARTESIA, NM 88210
UNITED STATES US

SAMPLE RECEIVING
ELAB
10450 STANCLIFF

(281) 530-5656

FedEx
Express

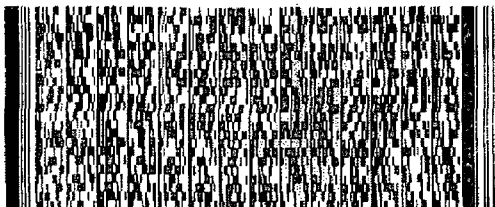
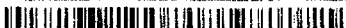


CL5090186/27722

HOUSTON, TX 77099

Ref:
INV:
PO:

Dept: ENVIRONMENTAL



Delivery Address
Barcode

BILL RECIPIENT

PRIORITY OVERNIGHT

FRI

Deliver By:
22DEC06

TRK# 9046 7990 5349 Form 0201

IAH

A2

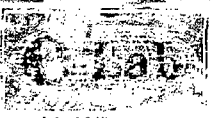
77099 -TX-US

XH JGQA

DATE: 12/21/06
TIME: 14:16
NAME: JESJ
COMPANY: SESJ

 QUALITY • INTEGRITY • SERVICE	e-Lab Analytical, Inc.	Date: 12
	10450 Stancliff Rd., Suite 210	Name:
	Houston, Texas 77099	Company:
	Tel. 281.530.5656 Fax. 218.530.5887	

CUSTODY SEAL		Broken By: Date: Signature: <i>W104</i>
Date: 12-21-06	Time: 1416	
Name: JESJ		
Company: SESJ		

 QUALITY • INTEGRITY • SERVICE	e-Lab Analytical, Inc.	Date: 12
	10450 Stancliff Rd., Suite 210	Name:
	Houston, Texas 77099	Company:
	Tel. 281.530.5656 Fax. 218.530.5887	

CUSTODY SEAL		Broken By: Date: Signature: <i>W104</i>
Date: 12-21-06	Time: 1416	
Name: JESJ		
Company: SESJ		

ORIGIN ID: ROWA (505) 748-3311
NAVAJO REFINING
NAVAJO REFINING COMPANY
501 E. MAIN STREET

Ship Date: 21DEC06
ActWgt: 68.0 LB MAN
System#: 185697/CAFE2328
Account: S 113684186

ORIGIN ID: ROWA (505) 748-3311
NAVAJO REFINING
NAVAJO REFINING COMPANY
501 E. MAIN STREET

Ship Date: 21DEC06
ActWgt: 65.0 LB MAN
System#: 185697/CAFE2328
Account: S 113684186

ARTESIA, NM 89210
UNITED STATES US

ARTESIA, NM 89210
UNITED STATES US

TO SAMPLE RECEIVING

TO SAMPLE RECEIVING

ELAB

ELAB

10450 STANCLIFF

10450 STANCLIFF

HOUSTON, TX 77099

HOUSTON, TX 77099

Ref:
INV:
PO:

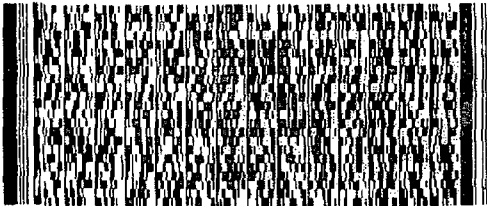
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INV:
PO:

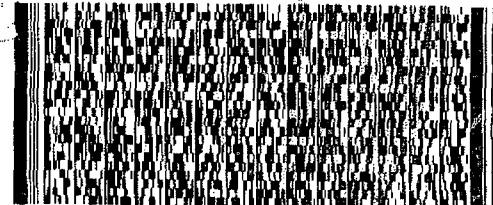
Dept: ENVIRONMENTAL

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Delivery Address
Barcode



Delivery Address
Barcode

BILL RECIPIENT

BILL RECIPIENT

PRIORITY OVERNIGHT

FRI

Deliver By:
22DEC06

TRK# 9046 7990 5350 Form 0201

IAH A2

77099 -TX-US

XH JGQA

PRIORITY OVERNIGHT

FRI

Deliver By:
22DEC06

TRK# 9046 7990 5338 Form 0201

IAH A2

77099 -TX-US

XH JGQA

Part # 156148-001 NRT 9-05

Part # 156148-034 NRT 9-05



e-Lab Analytical, Inc.
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. 281.530.5656
Fax. 218.530.5887

Date:
Name:
Company:

CUSTODY SEAL

Date: 12-21-06 Time: 1416
Name: Scott Jerry
Company: SEST

Seal Broken By:

PS
Date: 12/21/06



e-Lab Analytical, Inc.
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. 281.530.5656
Fax. 218.530.5887

Date:
Name:
Company:

CUSTODY SEAL

Date: 12-21-06 Time: 1416
Name: Scott Jerry
Company: SEST

Seal Broken By:

PS
Date: 12/21/06

10450 STANCLIFF

e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Project: Artesia

Work Order: 0612503

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
0612503-01	MW-66	Water		12/27/2006 09:30	12/29/2006 08:45	☐
0612503-02	MW-28	Water		12/27/2006 10:25	12/29/2006 08:45	☐
0612503-03	NP-9	Water		12/27/2006 11:10	12/29/2006 08:45	☐
0612503-04	KWB-7	Water		12/27/2006 11:45	12/29/2006 08:45	☐
0612503-05	MW-41	Water		12/27/2006 13:50	12/29/2006 08:45	☐
0612503-06	MW-29	Water		12/27/2006 14:40	12/29/2006 08:45	☐
0612503-07	MW-56	Water		12/27/2006 15:10	12/29/2006 08:45	☐
0612503-08	MW-67	Water		12/28/2006 10:00	12/29/2006 08:45	☐
0612503-09	RW-1	Water		12/28/2006 10:30	12/29/2006 08:45	☐
0612503-10	MW-50	Water		12/28/2006 10:50	12/29/2006 08:45	☐
0612503-11	RA-314	Water		12/28/2006 08:30	12/29/2006 08:45	☐
0612503-12	RA-3723	Water		12/28/2006 08:43	12/29/2006 08:45	☐
0612503-13	RA-4196	Water		12/28/2006 08:55	12/29/2006 08:45	☐
0612503-14	RA-4798	Water		12/28/2006 09:10	12/29/2006 08:45	☐
0612503-15	RA-3353	Water		12/28/2006 09:20	12/29/2006 08:45	☐
0612503-16	RA-3156	Water		12/28/2006 09:30	12/29/2006 08:45	☐
0612503-17	Duplicate #9	Water		12/28/2006	12/29/2006 08:45	☐
0612503-18	Duplicate #10	Water		12/28/2006	12/29/2006 08:45	☐
0612503-19	Equipment Blank 1	Water		12/27/2006 15:25	12/29/2006 08:45	☐
0612503-20	Equipment Blank 2	Water		12/28/2006 11:03	12/29/2006 08:45	☐
0612503-21	Field Blank 1	Water		12/27/2006 13:03	12/29/2006 08:45	☐
0612503-22	Field Blank 2	Water		12/28/2006 11:09	12/29/2006 08:45	☐
0612503-23	Trip Blank 1	Water		12/28/2006 13:03	12/29/2006 08:45	☒
0612503-24	Trip Blank 2	Water		12/28/2006 13:03	12/29/2006 08:45	☒
0612503-25	Trip Blank 3	Water		12/28/2006 13:03	12/29/2006 08:45	☒
0612503-26	Trip Blank 4	Water		12/28/2006 13:03	12/29/2006 08:45	☒

e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Project: Artesia

Work Order: 0612503

Case Narrative

pH had several samples that were received outside of the recommended holding time.

DRO (sample MW-8) Surrogate was diluted out of the sample.

Batch 21458 DRO LCS/LCSD RPD recovery was above the control limits (27.2%). Recoveries met method criteria in the LCS/LSD.

Batch 21445 Metals MS/MSD was an unrelated sample.

Batch R45580 Volatiles (sample Duplicate #10) MS/MSD recoveries were below the control limits for 1,2,4-Trimethylbenzene (73.9% and 75.6%) and 1,3,5-Trimethylbenzene (72.7% and 74.9%). RPD's within control limits.

Batch R45629 Volatiles (sample RW-1) MS/MSD recoveries were outside of control limits for several compounds. RPD's within control limits.

Batch R45506 Anions MS/MSD was an unrelated sample.

e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
 Work Order: 0612503
 Project: Artesia
 Lab ID: 0612503-01

Client Sample ID: MW-66
 Collection Date: 12/27/2006 9:30:00 AM
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	3.1		SW8015M 0.25	mg/L	5	Analyst: JBA 1/4/2007 9:16:00 PM
Surr: 2-Fluorobiphenyl	102		70-130	%REC	5	1/4/2007 9:16:00 PM
GASOLINE RANGE ORGANICS						
Gasoline Range Organics	12.8		SW8015 0.0500	mg/L	1	Analyst: RKG 1/3/2007 5:49:00 PM
Surr: 4-Bromofluorobenzene	90.2		70-130	%REC	1	1/3/2007 5:49:00 PM
MERCURY, TOTAL						
Mercury	ND		SW7470 0.000200	mg/L	1	Prep Date: 1/8/2007 Analyst: JCJ 1/8/2007 6:45:24 PM
ICP METALS, TOTAL						
Aluminum	0.548		SW6020 0.0100	mg/L	1	Prep Date: 12/29/2006 Analyst: ALR 1/4/2007 5:58:00 AM
Arsenic	0.00851		0.00500	mg/L	1	1/4/2007 5:58:00 AM
Barium	1.61		0.00500	mg/L	1	1/4/2007 5:58:00 AM
Beryllium	ND		0.00200	mg/L	1	1/4/2007 5:58:00 AM
Boron	0.266		0.0200	mg/L	1	1/4/2007 5:58:00 AM
Cadmium	ND		0.00200	mg/L	1	1/4/2007 5:58:00 AM
Calcium	175		0.500	mg/L	1	1/4/2007 5:58:00 AM
Chromium	ND		0.00500	mg/L	1	1/4/2007 5:58:00 AM
Cobalt	ND		0.00500	mg/L	1	1/4/2007 5:58:00 AM
Copper	ND		0.00500	mg/L	1	1/4/2007 5:58:00 AM
Iron	0.549		0.200	mg/L	1	1/4/2007 5:58:00 AM
Lead	ND		0.00500	mg/L	1	1/4/2007 5:58:00 AM
Magnesium	102		0.200	mg/L	1	1/4/2007 5:58:00 AM
Manganese	0.209		0.00500	mg/L	1	1/4/2007 5:58:00 AM
Molybdenum	ND		0.00500	mg/L	1	1/4/2007 5:58:00 AM
Nickel	0.0306		0.00500	mg/L	1	1/4/2007 5:58:00 AM
Potassium	1.22		0.200	mg/L	1	1/4/2007 5:58:00 AM
Selenium	ND		0.00500	mg/L	1	1/4/2007 5:58:00 AM
Silver	ND		0.00500	mg/L	1	1/4/2007 5:58:00 AM
Sodium	179		10.0	mg/L	50	1/5/2007 3:47:00 PM
Vanadium	ND		0.00500	mg/L	1	1/4/2007 5:58:00 AM
Zinc	0.0124		0.00500	mg/L	1	1/4/2007 5:58:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		SW8260 5.0	µg/L	1	Analyst: PC 1/5/2007 3:19:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
1,2,4-Trimethylbenzene	190		5.0	µg/L	1	1/5/2007 3:19:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: MW-66

Work Order: 0612503

Collection Date: 12/27/2006 9:30:00 AM

Project: Artesia

Lab ID: 0612503-01

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dibromoethane	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
1,3,5-Trimethylbenzene	31		5.0	µg/L	1	1/5/2007 3:19:00 PM
2-Butanone	ND		10	µg/L	1	1/5/2007 3:19:00 PM
2-Hexanone	ND		10	µg/L	1	1/5/2007 3:19:00 PM
4-Isopropyltoluene	6.4		5.0	µg/L	1	1/5/2007 3:19:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/5/2007 3:19:00 PM
Acetone	ND		10	µg/L	1	1/5/2007 3:19:00 PM
Benzene	4,000		250	µg/L	50	1/5/2007 5:24:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
Bromoform	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
Bromomethane	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
Carbon disulfide	ND		10	µg/L	1	1/5/2007 3:19:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
Chloroethane	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
Chloroform	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
Chloromethane	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
Ethylbenzene	330		250	µg/L	50	1/5/2007 5:24:00 PM
Isopropylbenzene	81		5.0	µg/L	1	1/5/2007 3:19:00 PM
m,p-Xylene	310		10	µg/L	1	1/5/2007 3:19:00 PM
Methyl tert-butyl ether	8,400		250	µg/L	50	1/5/2007 5:24:00 PM
Methylene chloride	ND		10	µg/L	1	1/5/2007 3:19:00 PM
n-Butylbenzene	23		5.0	µg/L	1	1/5/2007 3:19:00 PM
n-Propylbenzene	110		5.0	µg/L	1	1/5/2007 3:19:00 PM
Naphthalene	93		5.0	µg/L	1	1/5/2007 3:19:00 PM
o-Xylene	16		5.0	µg/L	1	1/5/2007 3:19:00 PM
sec-Butylbenzene	18		5.0	µg/L	1	1/5/2007 3:19:00 PM
Styrene	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
Toluene	21		5.0	µg/L	1	1/5/2007 3:19:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/5/2007 3:19:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/5/2007 3:19:00 PM
Xylenes, Total	330		15	µg/L	1	1/5/2007 3:19:00 PM
Surr: 1,2-Dichloroethane-d4	78.1		70-125	%REC	1	1/5/2007 3:19:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-01

Client Sample ID: MW-66
Collection Date: 12/27/2006 9:30:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 1,2-Dichloroethane-d4	88.6		70-125	%REC	50	1/5/2007 5:24:00 PM
Surr: 4-Bromofluorobenzene	81.0		72-125	%REC	1	1/5/2007 3:19:00 PM
Surr: 4-Bromofluorobenzene	80.5		72-125	%REC	50	1/5/2007 5:24:00 PM
Surr: Dibromofluoromethane	82.7		71-125	%REC	1	1/5/2007 3:19:00 PM
Surr: Dibromofluoromethane	93.5		71-125	%REC	50	1/5/2007 5:24:00 PM
Surr: Toluene-d8	91.0		75-125	%REC	1	1/5/2007 3:19:00 PM
Surr: Toluene-d8	90.6		75-125	%REC	50	1/5/2007 5:24:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	228		5.00	mg/L	10	12/31/2006 2:54:00 AM
Fluoride	1.02		0.100	mg/L	1	12/30/2006 3:55:00 PM
Sulfate	ND		1.00	mg/L	1	12/30/2006 3:55:00 PM
Nitrate/Nitrite (as N)	0.932		0.500	mg/L	5	12/31/2006 5:28:00 AM
Surr: Selenate (surr)	97.1		80-120	%REC	5	12/31/2006 5:28:00 AM
Surr: Selenate (surr)	89.7		80-120	%REC	1	12/30/2006 3:55:00 PM
Surr: Selenate (surr)	91.0		80-120	%REC	10	12/31/2006 2:54:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	748		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO3)	748		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	6.69	H	0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	1,180		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
 Work Order: 0612503
 Project: Artesia
 Lab ID: 0612503-02

Client Sample ID: MW-28
 Collection Date: 12/27/2006 10:25:00 AM
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	6.4		SW8015M 0.50	mg/L	10	Analyst: JBA 1/4/2007 9:55:00 PM
Surr: 2-Fluorobiphenyl	149	S	70-130	%REC	10	1/4/2007 9:55:00 PM
MERCURY, TOTAL						
Mercury	ND		SW7470 0.000200	mg/L	1	Analyst: JCJ 1/8/2007 6:47:23 PM
ICP METALS, TOTAL						
Aluminum	0.546		SW6020 0.0100	mg/L	1	Analyst: ALR 1/4/2007 6:04:00 AM
Arsenic	0.00843		0.00500	mg/L	1	1/4/2007 6:04:00 AM
Barium	0.0354		0.00500	mg/L	1	1/4/2007 6:04:00 AM
Beryllium	ND		0.00200	mg/L	1	1/4/2007 6:04:00 AM
Boron	1.27		0.0200	mg/L	1	1/4/2007 6:04:00 AM
Cadmium	ND		0.00200	mg/L	1	1/4/2007 6:04:00 AM
Calcium	451		50.0	mg/L	100	1/5/2007 3:53:00 PM
Chromium	ND		0.00500	mg/L	1	1/4/2007 6:04:00 AM
Cobalt	ND		0.00500	mg/L	1	1/4/2007 6:04:00 AM
Copper	ND		0.00500	mg/L	1	1/4/2007 6:04:00 AM
Iron	3.31		0.200	mg/L	1	1/4/2007 6:04:00 AM
Lead	0.00614		0.00500	mg/L	1	1/4/2007 6:04:00 AM
Magnesium	307		20.0	mg/L	100	1/5/2007 3:53:00 PM
Manganese	0.189		0.00500	mg/L	1	1/4/2007 6:04:00 AM
Molybdenum	ND		0.00500	mg/L	1	1/4/2007 6:04:00 AM
Nickel	0.00892		0.00500	mg/L	1	1/4/2007 6:04:00 AM
Potassium	0.648		0.200	mg/L	1	1/4/2007 6:04:00 AM
Selenium	ND		0.00500	mg/L	1	1/4/2007 6:04:00 AM
Silver	ND		0.00500	mg/L	1	1/4/2007 6:04:00 AM
Sodium	94.4		0.200	mg/L	1	1/4/2007 6:04:00 AM
Vanadium	ND		0.00500	mg/L	1	1/4/2007 6:04:00 AM
Zinc	0.0147		0.00500	mg/L	1	1/4/2007 6:04:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		SW8260 5.0	µg/L	1	Analyst: PC 1/5/2007 2:03:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
1,2,4-Trimethylbenzene	270		250	µg/L	50	1/5/2007 4:34:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
1,3,5-Trimethylbenzene	13		5.0	µg/L	1	1/5/2007 2:03:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: MW-28

Work Order: 0612503

Collection Date: 12/27/2006 10:25:00 AM

Project: Artesia

Lab ID: 0612503-02

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	ND		10	µg/L	1	1/5/2007 2:03:00 PM
2-Hexanone	ND		10	µg/L	1	1/5/2007 2:03:00 PM
4-Isopropyltoluene	9.3		5.0	µg/L	1	1/5/2007 2:03:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/5/2007 2:03:00 PM
Acetone	ND		10	µg/L	1	1/5/2007 2:03:00 PM
Benzene	710		250	µg/L	50	1/5/2007 4:34:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
Bromoform	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
Bromomethane	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
Carbon disulfide	ND		10	µg/L	1	1/5/2007 2:03:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
Chloroethane	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
Chloroform	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
Chloromethane	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
Ethylbenzene	140		5.0	µg/L	1	1/5/2007 2:03:00 PM
Isopropylbenzene	68		5.0	µg/L	1	1/5/2007 2:03:00 PM
m,p-Xylene	200		10	µg/L	1	1/5/2007 2:03:00 PM
Methyl tert-butyl ether	5,500		250	µg/L	50	1/5/2007 4:34:00 PM
Methylene chloride	ND		10	µg/L	1	1/5/2007 2:03:00 PM
n-Butylbenzene	15		5.0	µg/L	1	1/5/2007 2:03:00 PM
n-Propylbenzene	86		5.0	µg/L	1	1/5/2007 2:03:00 PM
Naphthalene	62		5.0	µg/L	1	1/5/2007 2:03:00 PM
o-Xylene	7.8		5.0	µg/L	1	1/5/2007 2:03:00 PM
sec-Butylbenzene	14		5.0	µg/L	1	1/5/2007 2:03:00 PM
Styrene	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
Toluene	22		5.0	µg/L	1	1/5/2007 2:03:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/5/2007 2:03:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/5/2007 2:03:00 PM
Xylenes, Total	210		15	µg/L	1	1/5/2007 2:03:00 PM
Surr: 1,2-Dichloroethane-d4	80.8		70-125	%REC	1	1/5/2007 2:03:00 PM
Surr: 1,2-Dichloroethane-d4	81.7		70-125	%REC	50	1/5/2007 4:34:00 PM
Surr: 4-Bromofluorobenzene	83.8		72-125	%REC	1	1/5/2007 2:03:00 PM
Surr: 4-Bromofluorobenzene	82.8		72-125	%REC	50	1/5/2007 4:34:00 PM
Surr: Dibromofluoromethane	84.2		71-125	%REC	1	1/5/2007 2:03:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-02

Client Sample ID: MW-28
Collection Date: 12/27/2006 10:25:00 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Dibromofluoromethane	87.2		71-125	%REC	50	1/5/2007 4:34:00 PM
Surr: Toluene-d8	93.0		75-125	%REC	1	1/5/2007 2:03:00 PM
Surr: Toluene-d8	91.1		75-125	%REC	50	1/5/2007 4:34:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	159		2.50	mg/L	5	1/3/2007 6:36:00 AM
Fluoride	1.28		0.100	mg/L	1	1/2/2007 4:44:00 PM
Sulfate	1,350		50.0	mg/L	50	1/3/2007 4:47:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/31/2006 6:56:00 AM
Surr: Selenate (surr)	93.7		80-120	%REC	5	12/31/2006 6:56:00 AM
Surr: Selenate (surr)	92.5		80-120	%REC	50	1/3/2007 4:47:00 AM
Surr: Selenate (surr)	0		80-120	%REC	5	1/3/2007 6:36:00 AM
Surr: Selenate (surr)	91.6		80-120	%REC	1	1/2/2007 4:44:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	717		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO3)	717		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	6.56	H	0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	3,300		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-03

Client Sample ID: NP-9
Collection Date: 12/27/2006 11:10:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	ND		0.050	mg/L	1	1/4/2007 1:59:00 PM
Surr: 2-Fluorobiphenyl	115		70-130	%REC	1	1/4/2007 1:59:00 PM
MERCURY, TOTAL						
Mercury	ND		0.000200	mg/L	1	1/8/2007 6:49:22 PM
ICP METALS, TOTAL						
Aluminum	0.0978		0.0100	mg/L	1	1/4/2007 6:10:00 AM
Arsenic	0.00792		0.00500	mg/L	1	1/4/2007 6:10:00 AM
Barium	0.0180		0.00500	mg/L	1	1/4/2007 6:10:00 AM
Beryllium	ND		0.00200	mg/L	1	1/4/2007 6:10:00 AM
Boron	0.692		0.0200	mg/L	1	1/4/2007 6:10:00 AM
Cadmium	ND		0.00200	mg/L	1	1/4/2007 6:10:00 AM
Calcium	475		50.0	mg/L	100	1/5/2007 3:59:00 PM
Chromium	ND		0.00500	mg/L	1	1/4/2007 6:10:00 AM
Cobalt	ND		0.00500	mg/L	1	1/4/2007 6:10:00 AM
Copper	ND		0.00500	mg/L	1	1/4/2007 6:10:00 AM
Iron	ND		0.200	mg/L	1	1/4/2007 6:10:00 AM
Lead	ND		0.00500	mg/L	1	1/4/2007 6:10:00 AM
Magnesium	381		20.0	mg/L	100	1/5/2007 3:59:00 PM
Manganese	ND		0.00500	mg/L	1	1/4/2007 6:10:00 AM
Molybdenum	0.0198		0.00500	mg/L	1	1/4/2007 6:10:00 AM
Nickel	0.00623		0.00500	mg/L	1	1/4/2007 6:10:00 AM
Potassium	1.08		0.200	mg/L	1	1/4/2007 6:10:00 AM
Selenium	0.0106		0.00500	mg/L	1	1/4/2007 6:10:00 AM
Silver	ND		0.00500	mg/L	1	1/4/2007 6:10:00 AM
Sodium	178		0.200	mg/L	1	1/4/2007 6:10:00 AM
Vanadium	0.0282		0.00500	mg/L	1	1/4/2007 6:10:00 AM
Zinc	0.0114		0.00500	mg/L	1	1/4/2007 6:10:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 4:08:00 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 Analytical, Inc.
Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: NP-9

Work Order: 0612503

Collection Date: 12/27/2006 11:10:00 AM

Project: Artesia

Lab ID: 0612503-03

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	ND		10	µg/L	1	1/4/2007 4:08:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 4:08:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 4:08:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 4:08:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 4:08:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 4:08:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 4:08:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 4:08:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 4:08:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 4:08:00 PM
Surr: 1,2-Dichloroethane-d4	94.1		70-125	%REC	1	1/4/2007 4:08:00 PM
Surr: 4-Bromofluorobenzene	79.1		72.4-125	%REC	1	1/4/2007 4:08:00 PM
Surr: Dibromofluoromethane	98.0		71.2-125	%REC	1	1/4/2007 4:08:00 PM
Surr: Toluene-d8	91.0		75-125	%REC	1	1/4/2007 4:08:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: NP-9

Work Order: 0612503

Collection Date: 12/27/2006 11:10:00 AM

Project: Artesia

Lab ID: 0612503-03

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	218		5.00	mg/L	10	1/3/2007 6:58:00 AM
Fluoride	2.96		0.100	mg/L	1	1/2/2007 5:06:00 PM
Sulfate	2,180		100	mg/L	100	1/3/2007 7:20:00 AM
Nitrate/Nitrite (as N)	0.510		0.500	mg/L	5	12/31/2006 7:18:00 AM
Surr: Selenate (surr)	91.8		80-120	%REC	100	1/3/2007 7:20:00 AM
Surr: Selenate (surr)	91.4		80-120	%REC	1	1/2/2007 5:06:00 PM
Surr: Selenate (surr)	92.2		80-120	%REC	5	12/31/2006 7:18:00 AM
Surr: Selenate (surr)	93.8		80-120	%REC	10	1/3/2007 6:58:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	759		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO3)	759		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	6.89	H	0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	4,220		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
 Work Order: 0612503
 Project: Artesia
 Lab ID: 0612503-04

Client Sample ID: KWB-7
 Collection Date: 12/27/2006 11:45:00 AM
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	0.11		SW8015M 0.050	mg/L	1	Prep Date: 1/2/2007 Analyst: JBA 1/4/2007 2:39:00 PM
Surr: 2-Fluorobiphenyl	128		70-130	%REC	1	1/4/2007 2:39:00 PM
MERCURY, TOTAL						
Mercury	ND		SW7470 0.000200	mg/L	1	Prep Date: 1/8/2007 Analyst: JCJ 1/8/2007 6:51:22 PM
ICP METALS, TOTAL						
Aluminum	0.0472		SW6020 0.0100	mg/L	1	Prep Date: 12/29/2006 Analyst: ALR 1/4/2007 6:16:00 AM
Arsenic	0.00672		0.00500	mg/L	1	1/4/2007 6:16:00 AM
Barium	0.0415		0.00500	mg/L	1	1/4/2007 6:16:00 AM
Beryllium	ND		0.00200	mg/L	1	1/4/2007 6:16:00 AM
Boron	0.469		0.0200	mg/L	1	1/4/2007 6:16:00 AM
Cadmium	ND		0.00200	mg/L	1	1/4/2007 6:16:00 AM
Calcium	307		50.0	mg/L	100	1/5/2007 4:05:00 PM
Chromium	ND		0.00500	mg/L	1	1/4/2007 6:16:00 AM
Cobalt	0.00722		0.00500	mg/L	1	1/4/2007 6:16:00 AM
Copper	ND		0.00500	mg/L	1	1/4/2007 6:16:00 AM
Iron	ND		0.200	mg/L	1	1/4/2007 6:16:00 AM
Lead	ND		0.00500	mg/L	1	1/4/2007 6:16:00 AM
Magnesium	223		20.0	mg/L	100	1/5/2007 4:05:00 PM
Manganese	2.52		0.500	mg/L	100	1/5/2007 4:05:00 PM
Molybdenum	0.00623		0.00500	mg/L	1	1/4/2007 6:16:00 AM
Nickel	0.0392		0.00500	mg/L	1	1/4/2007 6:16:00 AM
Potassium	0.557		0.200	mg/L	1	1/4/2007 6:16:00 AM
Selenium	0.00526		0.00500	mg/L	1	1/4/2007 6:16:00 AM
Silver	ND		0.00500	mg/L	1	1/4/2007 6:16:00 AM
Sodium	237		20.0	mg/L	100	1/5/2007 4:05:00 PM
Vanadium	0.0249		0.00500	mg/L	1	1/4/2007 6:16:00 AM
Zinc	0.00759		0.00500	mg/L	1	1/4/2007 6:16:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		SW8260 5.0	µg/L	1	Analyst: PC 1/4/2007 4:34:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 4:34:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: KWB-7

Work Order: 0612503

Collection Date: 12/27/2006 11:45:00 AM

Project: Artesia

Lab ID: 0612503-04

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	ND		10	µg/L	1	1/4/2007 4:34:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 4:34:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 4:34:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 4:34:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 4:34:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 4:34:00 PM
Methyl tert-butyl ether	44		5.0	µg/L	1	1/4/2007 4:34:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 4:34:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 4:34:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 4:34:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 4:34:00 PM
Surr: 1,2-Dichloroethane-d4	96.3		70-125	%REC	1	1/4/2007 4:34:00 PM
Surr: 4-Bromofluorobenzene	74.3		72.4-125	%REC	1	1/4/2007 4:34:00 PM
Surr: Dibromofluoromethane	102		71.2-125	%REC	1	1/4/2007 4:34:00 PM
Surr: Toluene-d8	91.3		75-125	%REC	1	1/4/2007 4:34:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-04

Client Sample ID: KWB-7
Collection Date: 12/27/2006 11:45:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	422		12.5	mg/L	25	1/3/2007 7:42:00 AM
Fluoride	0.875		0.100	mg/L	1	1/2/2007 5:28:00 PM
Sulfate	955		25.0	mg/L	25	1/3/2007 7:42:00 AM
Nitrate/Nitrite (as N)	6.00		0.500	mg/L	5	12/31/2006 7:40:00 AM
Surr: Selenate (surr)	94.8		80-120	%REC	5	12/31/2006 7:40:00 AM
Surr: Selenate (surr)	93.1		80-120	%REC	25	1/3/2007 7:42:00 AM
Surr: Selenate (surr)	92.6		80-120	%REC	1	1/2/2007 5:28:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO ₃)	706		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO ₃)	706		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	6.74	H	0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	2,850		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-05

Client Sample ID: MW-41
Collection Date: 12/27/2006 1:50:00 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	1.9		SW8015M 0.050	mg/L	1	Prep Date: 1/2/2007 Analyst: JBA 1/4/2007 3:18:00 PM
Surr: 2-Fluorobiphenyl	107		70-130	%REC	1	1/4/2007 3:18:00 PM
MERCURY, TOTAL						
Mercury	ND		SW7470 0.000200	mg/L	1	Prep Date: 1/8/2007 Analyst: JCJ 1/8/2007 6:53:21 PM
ICP METALS, TOTAL						
Aluminum	0.0419		SW6020 0.0100	mg/L	1	Prep Date: 12/29/2006 Analyst: ALR 1/4/2007 6:22:00 AM
Arsenic	0.0195		0.00500	mg/L	1	1/4/2007 6:22:00 AM
Barium	0.0250		0.00500	mg/L	1	1/4/2007 6:22:00 AM
Beryllium	ND		0.00200	mg/L	1	1/4/2007 6:22:00 AM
Boron	1.15		0.0200	mg/L	1	1/4/2007 6:22:00 AM
Cadmium	ND		0.00200	mg/L	1	1/4/2007 6:22:00 AM
Calcium	283		50.0	mg/L	100	1/5/2007 4:11:00 PM
Chromium	ND		0.00500	mg/L	1	1/4/2007 6:22:00 AM
Cobalt	ND		0.00500	mg/L	1	1/4/2007 6:22:00 AM
Copper	ND		0.00500	mg/L	1	1/4/2007 6:22:00 AM
Iron	0.220		0.200	mg/L	1	1/4/2007 6:22:00 AM
Lead	ND		0.00500	mg/L	1	1/4/2007 6:22:00 AM
Magnesium	300		20.0	mg/L	100	1/5/2007 4:11:00 PM
Manganese	0.926		0.00500	mg/L	1	1/4/2007 6:22:00 AM
Molybdenum	ND		0.00500	mg/L	1	1/4/2007 6:22:00 AM
Nickel	0.00802		0.00500	mg/L	1	1/4/2007 6:22:00 AM
Potassium	0.612		0.200	mg/L	1	1/4/2007 6:22:00 AM
Selenium	ND		0.00500	mg/L	1	1/4/2007 6:22:00 AM
Silver	ND		0.00500	mg/L	1	1/4/2007 6:22:00 AM
Sodium	601		20.0	mg/L	100	1/5/2007 4:11:00 PM
Vanadium	ND		0.00500	mg/L	1	1/4/2007 6:22:00 AM
Zinc	0.00798		0.00500	mg/L	1	1/4/2007 6:22:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		SW8260 5.0	µg/L	1	Analyst: PC 1/4/2007 4:59:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 4:59:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: MW-41

Work Order: 0612503

Collection Date: 12/27/2006 1:50:00 PM

Project: Artesia

Lab ID: 0612503-05

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	ND		10	µg/L	1	1/4/2007 4:59:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 4:59:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 4:59:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 4:59:00 PM
Benzene	64		5.0	µg/L	1	1/4/2007 4:59:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 4:59:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
Isopropylbenzene	17		5.0	µg/L	1	1/4/2007 4:59:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 4:59:00 PM
Methyl tert-butyl ether	15		5.0	µg/L	1	1/4/2007 4:59:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 4:59:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
n-Propylbenzene	6.5		5.0	µg/L	1	1/4/2007 4:59:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
sec-Butylbenzene	7.7		5.0	µg/L	1	1/4/2007 4:59:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 4:59:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 4:59:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 4:59:00 PM
Surr: 1,2-Dichloroethane-d4	93.1		70-125	%REC	1	1/4/2007 4:59:00 PM
Surr: 4-Bromofluorobenzene	84.3		72.4-125	%REC	1	1/4/2007 4:59:00 PM
Surr: Dibromofluoromethane	95.0		71.2-125	%REC	1	1/4/2007 4:59:00 PM
Surr: Toluene-d8	92.4		75-125	%REC	1	1/4/2007 4:59:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-05

Client Sample ID: MW-41
Collection Date: 12/27/2006 1:50:00 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	780		10.0	mg/L	20	1/3/2007 8:04:00 AM
Fluoride	0.760		0.100	mg/L	1	1/2/2007 5:49:00 PM
Sulfate	1,120		50.0	mg/L	50	1/3/2007 8:26:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/31/2006 8:02:00 AM
Surr: Selenate (surr)	94.6		80-120	%REC	50	1/3/2007 8:26:00 AM
Surr: Selenate (surr)	89.5		80-120	%REC	1	1/2/2007 5:49:00 PM
Surr: Selenate (surr)	93.9		80-120	%REC	5	12/31/2006 8:02:00 AM
Surr: Selenate (surr)	94.0		80-120	%REC	20	1/3/2007 8:04:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	978		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO3)	978		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	6.54	H	0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	3,910		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-06

Client Sample ID: MW-29
Collection Date: 12/27/2006 2:40:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	0.59		SW8015M 0.050	mg/L	1	Analyst: JBA 1/4/2007 3:58:00 PM
Surr: 2-Fluorobiphenyl	108		70-130	%REC	1	1/4/2007 3:58:00 PM
MERCURY, TOTAL						
Mercury	ND		SW7470 0.000200	mg/L	1	Analyst: JCJ 1/8/2007 6:55:21 PM
ICP METALS, TOTAL						
Aluminum	0.0189		SW6020 0.0100	mg/L	1	Analyst: ALR 1/4/2007 6:27:00 AM
Arsenic	0.0350		0.00500	mg/L	1	1/4/2007 6:27:00 AM
Barium	0.0187		0.00500	mg/L	1	1/4/2007 6:27:00 AM
Beryllium	ND		0.00200	mg/L	1	1/4/2007 6:27:00 AM
Boron	1.34		0.0200	mg/L	1	1/4/2007 6:27:00 AM
Cadmium	ND		0.00200	mg/L	1	1/4/2007 6:27:00 AM
Calcium	459		50.0	mg/L	100	1/5/2007 4:36:00 PM
Chromium	ND		0.00500	mg/L	1	1/4/2007 6:27:00 AM
Cobalt	ND		0.00500	mg/L	1	1/4/2007 6:27:00 AM
Copper	ND		0.00500	mg/L	1	1/4/2007 6:27:00 AM
Iron	1.11		0.200	mg/L	1	1/4/2007 6:27:00 AM
Lead	ND		0.00500	mg/L	1	1/4/2007 6:27:00 AM
Magnesium	458		20.0	mg/L	100	1/5/2007 4:36:00 PM
Manganese	0.529		0.00500	mg/L	1	1/4/2007 6:27:00 AM
Molybdenum	0.0145		0.00500	mg/L	1	1/4/2007 6:27:00 AM
Nickel	0.00954		0.00500	mg/L	1	1/4/2007 6:27:00 AM
Potassium	9.01		0.200	mg/L	1	1/4/2007 6:27:00 AM
Selenium	0.00643		0.00500	mg/L	1	1/4/2007 6:27:00 AM
Silver	ND		0.00500	mg/L	1	1/4/2007 6:27:00 AM
Sodium	410		20.0	mg/L	100	1/5/2007 4:36:00 PM
Vanadium	0.0292		0.00500	mg/L	1	1/4/2007 6:27:00 AM
Zinc	0.0105		0.00500	mg/L	1	1/4/2007 6:27:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		SW8260 5.0	µg/L	1	Analyst: PC 1/4/2007 5:24:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 5:24:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: MW-29

Work Order: 0612503

Collection Date: 12/27/2006 2:40:00 PM

Project: Artesia

Lab ID: 0612503-06

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	ND		10	µg/L	1	1/4/2007 5:24:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 5:24:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 5:24:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 5:24:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 5:24:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Isopropylbenzene	6.0		5.0	µg/L	1	1/4/2007 5:24:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 5:24:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 5:24:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 5:24:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 5:24:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 5:24:00 PM
Surr: 1,2-Dichloroethane-d4	90.5		70-125	%REC	1	1/4/2007 5:24:00 PM
Surr: 4-Bromofluorobenzene	86.6		72.4-125	%REC	1	1/4/2007 5:24:00 PM
Surr: Dibromofluoromethane	88.9		71.2-125	%REC	1	1/4/2007 5:24:00 PM
Surr: Toluene-d8	88.3		75-125	%REC	1	1/4/2007 5:24:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: MW-29

Work Order: 0612503

Collection Date: 12/27/2006 2:40:00 PM

Project: Artesia

Lab ID: 0612503-06

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	564		10.0	mg/L	20	1/3/2007 8:48:00 AM
Fluoride	3.68		0.100	mg/L	1	1/2/2007 8:23:00 PM
Sulfate	2,440		100	mg/L	100	1/3/2007 3:00:00 PM
Nitrate/Nitrite (as N)	0.827		0.500	mg/L	5	12/31/2006 8:24:00 AM
Surr: Selenate (surr)	94.4		80-120	%REC	20	1/3/2007 8:48:00 AM
Surr: Selenate (surr)	89.4		80-120	%REC	1	1/2/2007 8:23:00 PM
Surr: Selenate (surr)	95.3		80-120	%REC	5	12/31/2006 8:24:00 AM
Surr: Selenate (surr)	94.5		80-120	%REC	100	1/3/2007 3:00:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO ₃)	580		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO ₃)	580		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	6.72	H	0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	5,430		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
 Work Order: 0612503
 Project: Artesia
 Lab ID: 0612503-07

Client Sample ID: MW-56
 Collection Date: 12/27/2006 3:10:00 PM
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			SW8015M		Prep Date: 1/2/2007	Analyst: JBA
TPH (Diesel Range)	0.26		0.050	mg/L	1	1/4/2007 5:57:00 PM
Surr: 2-Fluorobiphenyl	98.6		70-130	%REC	1	1/4/2007 5:57:00 PM
MERCURY, TOTAL			SW7470		Prep Date: 1/8/2007	Analyst: JCJ
Mercury	ND		0.000200	mg/L	1	1/8/2007 6:57:22 PM
ICP METALS, TOTAL			SW6020		Prep Date: 12/29/2006	Analyst: ALR
Aluminum	0.466		0.0100	mg/L	1	1/4/2007 6:51:00 AM
Arsenic	0.0115		0.00500	mg/L	1	1/4/2007 6:51:00 AM
Barium	0.0179		0.00500	mg/L	1	1/4/2007 6:51:00 AM
Beryllium	ND		0.00200	mg/L	1	1/4/2007 6:51:00 AM
Boron	0.390		0.0200	mg/L	1	1/4/2007 6:51:00 AM
Cadmium	ND		0.00200	mg/L	1	1/4/2007 6:51:00 AM
Calcium	451		50.0	mg/L	100	1/5/2007 4:42:00 PM
Chromium	ND		0.00500	mg/L	1	1/4/2007 6:51:00 AM
Cobalt	0.00904		0.00500	mg/L	1	1/4/2007 6:51:00 AM
Copper	ND		0.00500	mg/L	1	1/4/2007 6:51:00 AM
Iron	0.264		0.200	mg/L	1	1/4/2007 6:51:00 AM
Lead	ND		0.00500	mg/L	1	1/4/2007 6:51:00 AM
Magnesium	222		20.0	mg/L	100	1/5/2007 4:42:00 PM
Manganese	0.311		0.00500	mg/L	1	1/4/2007 6:51:00 AM
Molybdenum	0.0104		0.00500	mg/L	1	1/4/2007 6:51:00 AM
Nickel	0.00950		0.00500	mg/L	1	1/4/2007 6:51:00 AM
Potassium	2.58		0.200	mg/L	1	1/4/2007 6:51:00 AM
Selenium	0.00602		0.00500	mg/L	1	1/4/2007 6:51:00 AM
Silver	ND		0.00500	mg/L	1	1/4/2007 6:51:00 AM
Sodium	228		20.0	mg/L	100	1/5/2007 4:42:00 PM
Vanadium	0.0265		0.00500	mg/L	1	1/4/2007 6:51:00 AM
Zinc	0.00839		0.00500	mg/L	1	1/4/2007 6:51:00 AM
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 5:49:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-07

Client Sample ID: MW-56
Collection Date: 12/27/2006 3:10:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	ND		10	µg/L	1	1/4/2007 5:49:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 5:49:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 5:49:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 5:49:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 5:49:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 5:49:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 5:49:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 5:49:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 5:49:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 5:49:00 PM
Surr: 1,2-Dichloroethane-d4	96.0		70-125	%REC	1	1/4/2007 5:49:00 PM
Surr: 4-Bromofluorobenzene	87.0		72.4-125	%REC	1	1/4/2007 5:49:00 PM
Surr: Dibromofluoromethane	100		71.2-125	%REC	1	1/4/2007 5:49:00 PM
Surr: Toluene-d8	89.7		75-125	%REC	1	1/4/2007 5:49:00 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

AR Page 20 of 55

e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-07

Client Sample ID: MW-56
Collection Date: 12/27/2006 3:10:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	248		5.00	mg/L	10	1/3/2007 9:32:00 AM
Fluoride	1.19		0.100	mg/L	1	1/2/2007 8:45:00 PM
Sulfate	1,830		50.0	mg/L	50	1/3/2007 9:54:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/31/2006 8:46:00 AM
Surr: Selenate (surr)	93.5		80-120	%REC	50	1/3/2007 9:54:00 AM
Surr: Selenate (surr)	91.1		80-120	%REC	1	1/2/2007 8:45:00 PM
Surr: Selenate (surr)	96.4		80-120	%REC	5	12/31/2006 8:46:00 AM
Surr: Selenate (surr)	95.6		80-120	%REC	10	1/3/2007 9:32:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	379		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO3)	379		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	6.75	H	0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	3,660		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
 Work Order: 0612503
 Project: Artesia
 Lab ID: 0612503-08

Client Sample ID: MW-67
 Collection Date: 12/28/2006 10:00:00 AM
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	3.6		SW8015M 0.25	mg/L	5	Analyst: JBA 1/4/2007 11:54:00 PM
Surr: 2-Fluorobiphenyl	112		70-130	%REC	5	1/4/2007 11:54:00 PM
GASOLINE RANGE ORGANICS						
Gasoline Range Organics	0.765		SW8015 0.0500	mg/L	1	Analyst: RKG 1/3/2007 6:12:00 PM
Surr: 4-Bromofluorobenzene	89.8		70-130	%REC	1	1/3/2007 6:12:00 PM
MERCURY, TOTAL						
Mercury	ND		SW7470 0.000200	mg/L	1	Prep Date: 1/8/2007 Analyst: JCJ 1/8/2007 6:59:23 PM
ICP METALS, TOTAL						
Aluminum	0.990		SW6020 0.0100	mg/L	1	Prep Date: 12/29/2006 Analyst: ALR 1/4/2007 6:57:00 AM
Arsenic	0.00661		0.00500	mg/L	1	1/4/2007 6:57:00 AM
Barium	0.704		0.00500	mg/L	1	1/4/2007 6:57:00 AM
Beryllium	ND		0.00200	mg/L	1	1/4/2007 6:57:00 AM
Boron	0.356		0.0200	mg/L	1	1/4/2007 6:57:00 AM
Cadmium	ND		0.00200	mg/L	1	1/4/2007 6:57:00 AM
Calcium	200		25.0	mg/L	50	1/5/2007 4:48:00 PM
Chromium	ND		0.00500	mg/L	1	1/4/2007 6:57:00 AM
Cobalt	ND		0.00500	mg/L	1	1/4/2007 6:57:00 AM
Copper	ND		0.00500	mg/L	1	1/4/2007 6:57:00 AM
Iron	1.22		0.200	mg/L	1	1/4/2007 6:57:00 AM
Lead	ND		0.00500	mg/L	1	1/4/2007 6:57:00 AM
Magnesium	144		0.200	mg/L	1	1/4/2007 6:57:00 AM
Manganese	0.260		0.00500	mg/L	1	1/4/2007 6:57:00 AM
Molybdenum	ND		0.00500	mg/L	1	1/4/2007 6:57:00 AM
Nickel	ND		0.00500	mg/L	1	1/4/2007 6:57:00 AM
Potassium	0.800		0.200	mg/L	1	1/4/2007 6:57:00 AM
Selenium	ND		0.00500	mg/L	1	1/4/2007 6:57:00 AM
Silver	ND		0.00500	mg/L	1	1/4/2007 6:57:00 AM
Sodium	164		0.200	mg/L	1	1/4/2007 6:57:00 AM
Vanadium	ND		0.00500	mg/L	1	1/4/2007 6:57:00 AM
Zinc	0.00795		0.00500	mg/L	1	1/4/2007 6:57:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		SW8260 5.0	µg/L	1	Analyst: PC 1/4/2007 9:09:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 9:09:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-08

Client Sample ID: MW-67
Collection Date: 12/28/2006 10:00:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
2-Butanone	ND		10	µg/L	1	1/4/2007 9:09:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 9:09:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 9:09:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 9:09:00 PM
Benzene	94		5.0	µg/L	1	1/4/2007 9:09:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 9:09:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
Isopropylbenzene	44		5.0	µg/L	1	1/4/2007 9:09:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 9:09:00 PM
Methyl tert-butyl ether	270		25	µg/L	5	1/5/2007 1:38:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 9:09:00 PM
n-Butylbenzene	8.0		5.0	µg/L	1	1/4/2007 9:09:00 PM
n-Propylbenzene	30		5.0	µg/L	1	1/4/2007 9:09:00 PM
Naphthalene	9.8		5.0	µg/L	1	1/4/2007 9:09:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
sec-Butylbenzene	12		5.0	µg/L	1	1/4/2007 9:09:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 9:09:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 9:09:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 9:09:00 PM
Surr: 1,2-Dichloroethane-d4	90.8		70-125	%REC	1	1/4/2007 9:09:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-08

Client Sample ID: MW-67
Collection Date: 12/28/2006 10:00:00 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 1,2-Dichloroethane-d4	84.9		70-125	%REC	5	1/5/2007 1:38:00 PM
Surr: 4-Bromofluorobenzene	81.9		72.4-125	%REC	1	1/4/2007 9:09:00 PM
Surr: 4-Bromofluorobenzene	80.9		72-125	%REC	5	1/5/2007 1:38:00 PM
Surr: Dibromofluoromethane	91.6		71.2-125	%REC	1	1/4/2007 9:09:00 PM
Surr: Dibromofluoromethane	92.0		71-125	%REC	5	1/5/2007 1:38:00 PM
Surr: Toluene-d8	90.0		75-125	%REC	1	1/4/2007 9:09:00 PM
Surr: Toluene-d8	85.3		75-125	%REC	5	1/5/2007 1:38:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	235		5.00	mg/L	10	1/3/2007 11:43:00 AM
Fluoride	0.62		0.10	mg/L	1	1/2/2007 9:07:00 PM
Sulfate	453		10.0	mg/L	10	1/3/2007 11:43:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/31/2006 10:36:00 AM
Surr: Selenate (surr)	99.4		80-120	%REC	5	12/31/2006 10:36:00 AM
Surr: Selenate (surr)	92.6		80-120	%REC	10	1/3/2007 11:43:00 AM
Surr: Selenate (surr)	91.2		80-120	%REC	1	1/2/2007 9:07:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	643		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO3)	643		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	6.74		0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	1,820		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: RW-1

Work Order: 0612503

Collection Date: 12/28/2006 10:30:00 AM

Project: Artesia

Lab ID: 0612503-09

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL						
Mercury	ND		SW7470 0.000200	mg/L	Prep Date: 1/8/2007 1	Analyst: JCJ 1/8/2007 7:01:24 PM
ICP METALS, TOTAL						
Aluminum	0.0103		SW6020 0.0100	mg/L	Prep Date: 12/29/2006 1	Analyst: ALR 1/4/2007 7:03:00 AM
Arsenic	0.0138		0.00500	mg/L	1	1/4/2007 7:03:00 AM
Barium	0.0501		0.00500	mg/L	1	1/4/2007 7:03:00 AM
Beryllium	ND		0.00200	mg/L	1	1/4/2007 7:03:00 AM
Boron	0.401		0.0200	mg/L	1	1/4/2007 7:03:00 AM
Cadmium	ND		0.00200	mg/L	1	1/4/2007 7:03:00 AM
Calcium	541		50.0	mg/L	100	1/5/2007 4:54:00 PM
Chromium	ND		0.00500	mg/L	1	1/4/2007 7:03:00 AM
Cobalt	ND		0.00500	mg/L	1	1/4/2007 7:03:00 AM
Copper	ND		0.00500	mg/L	1	1/4/2007 7:03:00 AM
Iron	6.62		0.200	mg/L	1	1/4/2007 7:03:00 AM
Lead	ND		0.00500	mg/L	1	1/4/2007 7:03:00 AM
Magnesium	176		0.200	mg/L	1	1/4/2007 7:03:00 AM
Manganese	0.192		0.00500	mg/L	1	1/4/2007 7:03:00 AM
Molybdenum	0.00500		0.00500	mg/L	1	1/4/2007 7:03:00 AM
Nickel	0.0122		0.00500	mg/L	1	1/4/2007 7:03:00 AM
Potassium	4.88		0.200	mg/L	1	1/4/2007 7:03:00 AM
Selenium	ND		0.00500	mg/L	1	1/4/2007 7:03:00 AM
Silver	ND		0.00500	mg/L	1	1/4/2007 7:03:00 AM
Sodium	301		20.0	mg/L	100	1/5/2007 4:54:00 PM
Vanadium	0.00620		0.00500	mg/L	1	1/4/2007 7:03:00 AM
Zinc	0.0112		0.00500	mg/L	1	1/4/2007 7:03:00 AM
VOLATILES BY GC/MS						
1,1,1-Trichloroethane	ND		SW8260 5.0	µg/L	Analyst: PC 1	1/5/2007 1:13:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
1,2,4-Trimethylbenzene	250		120	µg/L	25	1/5/2007 2:54:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
1,3,5-Trimethylbenzene	17		5.0	µg/L	1	1/5/2007 1:13:00 PM
2-Butanone	ND		10	µg/L	1	1/5/2007 1:13:00 PM
2-Hexanone	ND		10	µg/L	1	1/5/2007 1:13:00 PM
4-Isopropyltoluene	11		5.0	µg/L	1	1/5/2007 1:13:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: RW-1

Work Order: 0612503

Collection Date: 12/28/2006 10:30:00 AM

Project: Artesia

Lab ID: 0612503-09

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
4-Methyl-2-pentanone	ND		10	µg/L	1	1/5/2007 1:13:00 PM
Acetone	ND		10	µg/L	1	1/5/2007 1:13:00 PM
Benzene	2,900		120	µg/L	25	1/5/2007 2:54:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
Bromoform	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
Bromomethane	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
Carbon disulfide	ND		10	µg/L	1	1/5/2007 1:13:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
Chloroethane	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
Chloroform	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
Chloromethane	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
cis-1,2-Dichloroethene	83		5.0	µg/L	1	1/5/2007 1:13:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
Ethylbenzene	180		120	µg/L	25	1/5/2007 2:54:00 PM
Isopropylbenzene	54		5.0	µg/L	1	1/5/2007 1:13:00 PM
m,p-Xylene	250		10	µg/L	1	1/5/2007 1:13:00 PM
Methyl tert-butyl ether	130		5.0	µg/L	1	1/5/2007 1:13:00 PM
Methylene chloride	ND		10	µg/L	1	1/5/2007 1:13:00 PM
n-Butylbenzene	18		5.0	µg/L	1	1/5/2007 1:13:00 PM
n-Propylbenzene	65		5.0	µg/L	1	1/5/2007 1:13:00 PM
Naphthalene	53		5.0	µg/L	1	1/5/2007 1:13:00 PM
o-Xylene	81		5.0	µg/L	1	1/5/2007 1:13:00 PM
sec-Butylbenzene	14		5.0	µg/L	1	1/5/2007 1:13:00 PM
Styrene	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
Tetrachloroethene	93		5.0	µg/L	1	1/5/2007 1:13:00 PM
Toluene	190		120	µg/L	25	1/5/2007 2:54:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/5/2007 1:13:00 PM
Trichloroethene	270		120	µg/L	25	1/5/2007 2:54:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/5/2007 1:13:00 PM
Xylenes, Total	330		15	µg/L	1	1/5/2007 1:13:00 PM
Surr: 1,2-Dichloroethane-d4	88.7		70-125	%REC	1	1/5/2007 1:13:00 PM
Surr: 1,2-Dichloroethane-d4	84.7		70-125	%REC	25	1/5/2007 2:54:00 PM
Surr: 4-Bromofluorobenzene	83.5		72-125	%REC	1	1/5/2007 1:13:00 PM
Surr: 4-Bromofluorobenzene	83.9		72-125	%REC	25	1/5/2007 2:54:00 PM
Surr: Dibromofluoromethane	85.8		71-125	%REC	1	1/5/2007 1:13:00 PM
Surr: Dibromofluoromethane	87.8		71-125	%REC	25	1/5/2007 2:54:00 PM
Surr: Toluene-d8	89.7		75-125	%REC	1	1/5/2007 1:13:00 PM
Surr: Toluene-d8	90.8		75-125	%REC	25	1/5/2007 2:54:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-09

Client Sample ID: RW-1
Collection Date: 12/28/2006 10:30:00 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	370		5.00	mg/L	10	1/3/2007 12:27:00 PM
Fluoride	1.40		0.100	mg/L	1	1/2/2007 9:29:00 PM
Sulfate	1,540		50.0	mg/L	50	1/3/2007 12:49:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/31/2006 10:58:00 AM
Surr: Selenate (surr)	88.0		80-120	%REC	1	1/2/2007 9:29:00 PM
Surr: Selenate (surr)	96.3		80-120	%REC	10	1/3/2007 12:27:00 PM
Surr: Selenate (surr)	91.3		80-120	%REC	50	1/3/2007 12:49:00 PM
Surr: Selenate (surr)	98.0		80-120	%REC	5	12/31/2006 10:58:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO ₃)	759		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO ₃)	759		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	6.79		0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	4,010		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-10

Client Sample ID: MW-50
Collection Date: 12/28/2006 10:50:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	0.39		SW8015M		Prep Date: 1/2/2007	Analyst: JBA
			0.050	mg/L	1	1/4/2007 7:17:00 PM
<i>Surr: 2-Fluorobiphenyl</i>	78.8		70-130	%REC	1	1/4/2007 7:17:00 PM
MERCURY, TOTAL						
<i>Mercury</i>	ND		SW7470		Prep Date: 1/8/2007	Analyst: JCJ
			0.000200	mg/L	1	1/8/2007 7:03:26 PM
ICP METALS, TOTAL						
			SW6020		Prep Date: 12/29/2006	Analyst: ALR
Aluminum	0.282		0.0100	mg/L	1	1/4/2007 7:09:00 AM
Arsenic	0.00526		0.00500	mg/L	1	1/4/2007 7:09:00 AM
Barium	0.0274		0.00500	mg/L	1	1/4/2007 7:09:00 AM
Beryllium	ND		0.00200	mg/L	1	1/4/2007 7:09:00 AM
Boron	0.278		0.0200	mg/L	1	1/4/2007 7:09:00 AM
Cadmium	ND		0.00200	mg/L	1	1/4/2007 7:09:00 AM
Calcium	454		50.0	mg/L	100	1/5/2007 5:00:00 PM
Chromium	ND		0.00500	mg/L	1	1/4/2007 7:09:00 AM
Cobalt	ND		0.00500	mg/L	1	1/4/2007 7:09:00 AM
Copper	ND		0.00500	mg/L	1	1/4/2007 7:09:00 AM
Iron	0.351		0.200	mg/L	1	1/4/2007 7:09:00 AM
Lead	ND		0.00500	mg/L	1	1/4/2007 7:09:00 AM
Magnesium	167		0.200	mg/L	1	1/4/2007 7:09:00 AM
Manganese	1.46		0.00500	mg/L	1	1/4/2007 7:09:00 AM
Molybdenum	ND		0.00500	mg/L	1	1/4/2007 7:09:00 AM
Nickel	0.00571		0.00500	mg/L	1	1/4/2007 7:09:00 AM
Potassium	2.17		0.200	mg/L	1	1/4/2007 7:09:00 AM
Selenium	ND		0.00500	mg/L	1	1/4/2007 7:09:00 AM
Silver	ND		0.00500	mg/L	1	1/4/2007 7:09:00 AM
Sodium	130		0.200	mg/L	1	1/4/2007 7:09:00 AM
Vanadium	ND		0.00500	mg/L	1	1/4/2007 7:09:00 AM
Zinc	0.0124		0.00500	mg/L	1	1/4/2007 7:09:00 AM
VOLATILES BY GC/MS						
			SW8260		Analyst: PC	
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 6:14:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: MW-50

Work Order: 0612503

Collection Date: 12/28/2006 10:50:00 AM

Project: Artesia

Lab ID: 0612503-10

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	ND		10	µg/L	1	1/4/2007 6:14:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 6:14:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 6:14:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 6:14:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 6:14:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Isopropylbenzene	5.7		5.0	µg/L	1	1/4/2007 6:14:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 6:14:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 6:14:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
sec-Butylbenzene	11		5.0	µg/L	1	1/4/2007 6:14:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 6:14:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 6:14:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 6:14:00 PM
Surr: 1,2-Dichloroethane-d4	92.9		70-125	%REC	1	1/4/2007 6:14:00 PM
Surr: 4-Bromofluorobenzene	82.9		72.4-125	%REC	1	1/4/2007 6:14:00 PM
Surr: Dibromofluoromethane	94.5		71.2-125	%REC	1	1/4/2007 6:14:00 PM
Surr: Toluene-d8	87.4		75-125	%REC	1	1/4/2007 6:14:00 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

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e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-10

Client Sample ID: MW-50
Collection Date: 12/28/2006 10:50:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	195		5.00	mg/L	10	1/3/2007 1:11:00 PM
Fluoride	0.854		0.100	mg/L	1	1/2/2007 9:50:00 PM
Sulfate	1,360		50.0	mg/L	50	1/3/2007 1:33:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/31/2006 11:20:00 AM
Surr: Selenate (surr)	93.1		80-120	%REC	50	1/3/2007 1:33:00 PM
Surr: Selenate (surr)	90.7		80-120	%REC	1	1/2/2007 9:50:00 PM
Surr: Selenate (surr)	99.3		80-120	%REC	5	12/31/2006 11:20:00 AM
Surr: Selenate (surr)	96.0		80-120	%REC	10	1/3/2007 1:11:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO ₃)	348		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO ₃)	348		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	6.83		0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	2,860		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: RA-314

Work Order: 0612503

Collection Date: 12/28/2006 8:30:00 AM

Project: Artesia

Lab ID: 0612503-11

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
2-Butanone	ND		10	µg/L	1	1/4/2007 6:39:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 6:39:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 6:39:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 6:39:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 6:39:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 6:39:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 6:39:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 6:39:00 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

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e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-11

Client Sample ID: RA-314
Collection Date: 12/28/2006 8:30:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 6:39:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 6:39:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 6:39:00 PM
Surr: 1,2-Dichloroethane-d4	92.3		70-125	%REC	1	1/4/2007 6:39:00 PM
Surr: 4-Bromofluorobenzene	79.2		72.4-125	%REC	1	1/4/2007 6:39:00 PM
Surr: Dibromofluoromethane	91.3		71.2-125	%REC	1	1/4/2007 6:39:00 PM
Surr: Toluene-d8	89.1		75-125	%REC	1	1/4/2007 6:39:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	245		5.00	mg/L	10	1/3/2007 1:55:00 PM
Fluoride	0.855		0.100	mg/L	1	1/2/2007 10:12:00 PM
Sulfate	615		25.0	mg/L	25	1/3/2007 2:17:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/31/2006 11:42:00 AM
Surr: Selenate (surr)	92.8		80-120	%REC	1	1/2/2007 10:12:00 PM
Surr: Selenate (surr)	95.3		80-120	%REC	10	1/3/2007 1:55:00 PM
Surr: Selenate (surr)	101		80-120	%REC	5	12/31/2006 11:42:00 AM
Surr: Selenate (surr)	94.8		80-120	%REC	25	1/3/2007 2:17:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	200		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO3)	200		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	7.11		0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	1,500		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: RA-3723

Work Order: 0612503

Collection Date: 12/28/2006 8:43:00 AM

Project: Artesia

Lab ID: 0612503-12

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
2-Butanone	ND		10	µg/L	1	1/4/2007 7:04:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 7:04:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 7:04:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 7:04:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 7:04:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 7:04:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 7:04:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 7:04:00 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

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e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-12

Client Sample ID: RA-3723
Collection Date: 12/28/2006 8:43:00 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 7:04:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 7:04:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 7:04:00 PM
Surr: 1,2-Dichloroethane-d4	98.7		70-125	%REC	1	1/4/2007 7:04:00 PM
Surr: 4-Bromofluorobenzene	76.4		72.4-125	%REC	1	1/4/2007 7:04:00 PM
Surr: Dibromofluoromethane	101		71.2-125	%REC	1	1/4/2007 7:04:00 PM
Surr: Toluene-d8	92.5		75-125	%REC	1	1/4/2007 7:04:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	14.1		0.500	mg/L	1	1/2/2007 10:34:00 PM
Fluoride	0.945		0.100	mg/L	1	1/2/2007 10:34:00 PM
Sulfate	388		10.0	mg/L	10	1/3/2007 2:38:00 PM
Nitrate/Nitrite (as N)	0.521		0.500	mg/L	5	12/31/2006 12:04:00 PM
Surr: Selenate (surr)	92.6		80-120	%REC	1	1/2/2007 10:34:00 PM
Surr: Selenate (surr)	102		80-120	%REC	5	12/31/2006 12:04:00 PM
Surr: Selenate (surr)	93.6		80-120	%REC	10	1/3/2007 2:38:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	174		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO3)	17.9		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	7.20		0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	800		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: RA-4196

Work Order: 0612503

Collection Date: 12/28/2006 8:55:00 AM

Project: Artesia

Lab ID: 0612503-13

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
2-Butanone	ND		10	µg/L	1	1/4/2007 7:29:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 7:29:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 7:29:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 7:29:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 7:29:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 7:29:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 7:29:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 7:29:00 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

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e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-13

Client Sample ID: RA-4196
Collection Date: 12/28/2006 8:55:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 7:29:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 7:29:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 7:29:00 PM
Surr: 1,2-Dichloroethane-d4	97.0		70-125	%REC	1	1/4/2007 7:29:00 PM
Surr: 4-Bromofluorobenzene	74.8		72.4-125	%REC	1	1/4/2007 7:29:00 PM
Surr: Dibromofluoromethane	100		71.2-125	%REC	1	1/4/2007 7:29:00 PM
Surr: Toluene-d8	90.8		75-125	%REC	1	1/4/2007 7:29:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	265		5.00	mg/L	10	1/3/2007 5:12:00 PM
Fluoride	0.357		0.100	mg/L	1	1/2/2007 10:56:00 PM
Sulfate	1,300		50.0	mg/L	50	1/3/2007 5:34:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/31/2006 12:26:00 PM
Surr: Selenate (surr)	89.6		80-120	%REC	1	1/2/2007 10:56:00 PM
Surr: Selenate (surr)	97.5		80-120	%REC	10	1/3/2007 5:12:00 PM
Surr: Selenate (surr)	102		80-120	%REC	5	12/31/2006 12:26:00 PM
Surr: Selenate (surr)	93.8		80-120	%REC	50	1/3/2007 5:34:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	169		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO3)	169		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	7.25		0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	2,600		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: RA-4798

Work Order: 0612503

Collection Date: 12/28/2006 9:10:00 AM

Project: Artesia

Lab ID: 0612503-14

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
2-Butanone	ND		10	µg/L	1	1/4/2007 7:54:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 7:54:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 7:54:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 7:54:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 7:54:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 7:54:00 PM
Methyl tert-butyl ether	9.5		5.0	µg/L	1	1/4/2007 7:54:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 7:54:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 7:54:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-14

Client Sample ID: RA-4798
Collection Date: 12/28/2006 9:10:00 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 7:54:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 7:54:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 7:54:00 PM
Surr: 1,2-Dichloroethane-d4	94.9		70-125	%REC	1	1/4/2007 7:54:00 PM
Surr: 4-Bromofluorobenzene	73.8		72.4-125	%REC	1	1/4/2007 7:54:00 PM
Surr: Dibromofluoromethane	94.2		71.2-125	%REC	1	1/4/2007 7:54:00 PM
Surr: Toluene-d8	91.6		75-125	%REC	1	1/4/2007 7:54:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	135		2.50	mg/L	5	1/3/2007 5:56:00 PM
Fluoride	0.301		0.100	mg/L	1	1/2/2007 11:18:00 PM
Sulfate	1,280		50.0	mg/L	50	1/3/2007 6:18:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/31/2006 12:48:00 PM
Surr: Selenate (surr)	90.8		80-120	%REC	1	1/2/2007 11:18:00 PM
Surr: Selenate (surr)	98.1		80-120	%REC	5	1/3/2007 5:56:00 PM
Surr: Selenate (surr)	103		80-120	%REC	5	12/31/2006 12:48:00 PM
Surr: Selenate (surr)	95.2		80-120	%REC	50	1/3/2007 6:18:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	242		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO3)	242		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	7.02		0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	2,400		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: RA-3353

Work Order: 0612503

Collection Date: 12/28/2006 9:20:00 AM

Project: Artesia

Lab ID: 0612503-15

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
2-Butanone	ND		10	µg/L	1	1/4/2007 8:19:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 8:19:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 8:19:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 8:19:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 8:19:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 8:19:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 8:19:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 8:19:00 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

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e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-15

Client Sample ID: RA-3353
Collection Date: 12/28/2006 9:20:00 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 8:19:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 8:19:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 8:19:00 PM
Surr: 1,2-Dichloroethane-d4	97.8		70-125	%REC	1	1/4/2007 8:19:00 PM
Surr: 4-Bromofluorobenzene	72.6		72.4-125	%REC	1	1/4/2007 8:19:00 PM
Surr: Dibromofluoromethane	99.9		71.2-125	%REC	1	1/4/2007 8:19:00 PM
Surr: Toluene-d8	90.1		75-125	%REC	1	1/4/2007 8:19:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	202		2.50	mg/L	5	1/3/2007 6:39:00 PM
Fluoride	0.206		0.100	mg/L	1	1/2/2007 11:40:00 PM
Sulfate	919		25.0	mg/L	25	1/3/2007 7:01:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/31/2006 1:10:00 PM
Surr: Selenate (surr)	92.7		80-120	%REC	1	1/2/2007 11:40:00 PM
Surr: Selenate (surr)	99.1		80-120	%REC	5	1/3/2007 6:39:00 PM
Surr: Selenate (surr)	103		80-120	%REC	5	12/31/2006 1:10:00 PM
Surr: Selenate (surr)	93.8		80-120	%REC	25	1/3/2007 7:01:00 PM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	15.8		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO3)	15.8		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	7.51		0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	1,690		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: RA-3156

Work Order: 0612503

Collection Date: 12/28/2006 9:30:00 AM

Project: Artesia

Lab ID: 0612503-16

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
2-Butanone	ND		10	µg/L	1	1/4/2007 8:44:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 8:44:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 8:44:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 8:44:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 8:44:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 8:44:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 8:44:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 8:44:00 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

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e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-16

Client Sample ID: RA-3156
Collection Date: 12/28/2006 9:30:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 8:44:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 8:44:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 8:44:00 PM
Surr: 1,2-Dichloroethane-d4	99.7		70-125	%REC	1	1/4/2007 8:44:00 PM
Surr: 4-Bromofluorobenzene	73.9		72.4-125	%REC	1	1/4/2007 8:44:00 PM
Surr: Dibromofluoromethane	101		71.2-125	%REC	1	1/4/2007 8:44:00 PM
Surr: Toluene-d8	90.9		75-125	%REC	1	1/4/2007 8:44:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	122		2.50	mg/L	5	1/3/2007 4:03:00 AM
Fluoride	0.430		0.100	mg/L	1	1/3/2007 1:30:00 AM
Sulfate	1,470		50.0	mg/L	50	1/3/2007 4:25:00 AM
Nitrate/Nitrite (as N)	7.54		0.500	mg/L	5	12/31/2006 1:32:00 PM
Surr: Selenate (surr)	90.2		80-120	%REC	1	1/3/2007 1:30:00 AM
Surr: Selenate (surr)	96.2		80-120	%REC	5	1/3/2007 4:03:00 AM
Surr: Selenate (surr)	102		80-120	%REC	5	12/31/2006 1:32:00 PM
Surr: Selenate (surr)	92.4		80-120	%REC	50	1/3/2007 4:25:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	253		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO3)	253		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	6.92		0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	2,690		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-17

Client Sample ID: Duplicate #9
Collection Date: 12/28/2006

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH						
TPH (Diesel Range)	4.6		SW8015M		Prep Date: 1/2/2007	Analyst: JBA
			0.25	mg/L	5	1/5/2007 9:08:00 AM
Surr: 2-Fluorobiphenyl	91.8		70-130	%REC	5	1/5/2007 9:08:00 AM
MERCURY, TOTAL						
Mercury	ND		SW7470		Prep Date: 1/8/2007	Analyst: JCJ
			0.000200	mg/L	1	1/8/2007 7:09:34 PM
ICP METALS, TOTAL						
			SW6020		Prep Date: 12/29/2006	Analyst: ALR
Aluminum	0.0530		0.0100	mg/L	1	1/4/2007 7:15:00 AM
Arsenic	0.0203		0.00500	mg/L	1	1/4/2007 7:15:00 AM
Barium	0.0256		0.00500	mg/L	1	1/4/2007 7:15:00 AM
Beryllium	ND		0.00200	mg/L	1	1/4/2007 7:15:00 AM
Boron	1.15		0.0200	mg/L	1	1/4/2007 7:15:00 AM
Cadmium	ND		0.00200	mg/L	1	1/4/2007 7:15:00 AM
Calcium	2.50		0.500	mg/L	1	1/5/2007 5:06:00 PM
Chromium	ND		0.00500	mg/L	1	1/4/2007 7:15:00 AM
Cobalt	ND		0.00500	mg/L	1	1/4/2007 7:15:00 AM
Copper	ND		0.00500	mg/L	1	1/4/2007 7:15:00 AM
Iron	0.253		0.200	mg/L	1	1/4/2007 7:15:00 AM
Lead	ND		0.00500	mg/L	1	1/4/2007 7:15:00 AM
Magnesium	2.71		0.200	mg/L	1	1/5/2007 5:06:00 PM
Manganese	0.951		0.00500	mg/L	1	1/4/2007 7:15:00 AM
Molybdenum	ND		0.00500	mg/L	1	1/4/2007 7:15:00 AM
Nickel	0.00860		0.00500	mg/L	1	1/4/2007 7:15:00 AM
Potassium	0.642		0.200	mg/L	1	1/4/2007 7:15:00 AM
Selenium	ND		0.00500	mg/L	1	1/4/2007 7:15:00 AM
Silver	ND		0.00500	mg/L	1	1/4/2007 7:15:00 AM
Sodium	5.35		0.200	mg/L	1	1/5/2007 5:06:00 PM
Vanadium	ND		0.00500	mg/L	1	1/4/2007 7:15:00 AM
Zinc	0.00973		0.00500	mg/L	1	1/4/2007 7:15:00 AM
VOLATILES BY GC/MS						
			SW8260		Analyst: PC	
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 2:28:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-17

Client Sample ID: Duplicate #9**Collection Date:** 12/28/2006**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	ND		10	µg/L	1	1/4/2007 2:28:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 2:28:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 2:28:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 2:28:00 PM
Benzene	63		5.0	µg/L	1	1/4/2007 2:28:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 2:28:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
Isopropylbenzene	17		5.0	µg/L	1	1/4/2007 2:28:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 2:28:00 PM
Methyl tert-butyl ether	15		5.0	µg/L	1	1/4/2007 2:28:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 2:28:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
n-Propylbenzene	6.4		5.0	µg/L	1	1/4/2007 2:28:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
sec-Butylbenzene	7.4		5.0	µg/L	1	1/4/2007 2:28:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 2:28:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 2:28:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 2:28:00 PM
Surr: 1,2-Dichloroethane-d4	96.4		70-125	%REC	1	1/4/2007 2:28:00 PM
Surr: 4-Bromofluorobenzene	86.2		72.4-125	%REC	1	1/4/2007 2:28:00 PM
Surr: Dibromofluoromethane	96.1		71.2-125	%REC	1	1/4/2007 2:28:00 PM
Surr: Toluene-d8	92.8		75-125	%REC	1	1/4/2007 2:28:00 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

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e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-17

Client Sample ID: Duplicate #9
Collection Date: 12/28/2006

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	746		10.0	mg/L	20	1/3/2007 3:19:00 AM
Fluoride	0.729		0.100	mg/L	1	1/3/2007 1:51:00 AM
Sulfate	1,080		50.0	mg/L	50	1/3/2007 3:41:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/31/2006 1:54:00 PM
Surr: Selenate (surr)	94.7		80-120	%REC	50	1/3/2007 3:41:00 AM
Surr: Selenate (surr)	92.4		80-120	%REC	1	1/3/2007 1:51:00 AM
Surr: Selenate (surr)	103		80-120	%REC	5	12/31/2006 1:54:00 PM
Surr: Selenate (surr)	93.2		80-120	%REC	20	1/3/2007 3:19:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO ₃)	980		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO ₃)	980		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	6.55		0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	3,910		10.0	mg/L	1	12/29/2006

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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: Duplicate #10

Work Order: 0612503

Collection Date: 12/28/2006

Project: Artesia

Lab ID: 0612503-18

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260	Analyst: PC		
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
2-Butanone	ND		10	µg/L	1	1/4/2007 12:48:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 12:48:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 12:48:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 12:48:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 12:48:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 12:48:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 12:48:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 12:48:00 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

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e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-18

Client Sample ID: Duplicate #10**Collection Date:** 12/28/2006**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 12:48:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 12:48:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 12:48:00 PM
Surr: 1,2-Dichloroethane-d4	94.5		70-125	%REC	1	1/4/2007 12:48:00 PM
Surr: 4-Bromofluorobenzene	73.2		72.4-125	%REC	1	1/4/2007 12:48:00 PM
Surr: Dibromofluoromethane	97.7		71.2-125	%REC	1	1/4/2007 12:48:00 PM
Surr: Toluene-d8	90.9		75-125	%REC	1	1/4/2007 12:48:00 PM
ANIONS BY ION CHROMATOGRAPHY			E300			Analyst: PV
Chloride	274		5.00	mg/L	10	1/3/2007 2:35:00 AM
Fluoride	0.366		0.100	mg/L	1	1/3/2007 2:13:00 AM
Sulfate	1,330		50.0	mg/L	50	1/3/2007 2:57:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	12/31/2006 3:44:00 PM
Surr: Selenate (surr)	89.6		80-120	%REC	1	1/3/2007 2:13:00 AM
Surr: Selenate (surr)	95.6		80-120	%REC	10	1/3/2007 2:35:00 AM
Surr: Selenate (surr)	99.5		80-120	%REC	5	12/31/2006 3:44:00 PM
Surr: Selenate (surr)	91.9		80-120	%REC	50	1/3/2007 2:57:00 AM
ALKALINITY			E310.1			Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	169		5.00	mg/L	1	12/29/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	12/29/2006
Alkalinity, Total (As CaCO3)	169		5.00	mg/L	1	12/29/2006
PH			E150.1			Analyst: MAM
pH	7.19		0.100	pH units	1	12/29/2006
TOTAL DISSOLVED SOLIDS			E160.1			Analyst: MAM
Total Dissolved Solids (Residue, Filterable)	2,660		10.0	mg/L	1	12/29/2006

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

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e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-19

Client Sample ID: Equipment Blank 1
Collection Date: 12/27/2006 3:25:00 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
2-Butanone	ND		10	µg/L	1	1/4/2007 12:23:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 12:23:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 12:23:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 12:23:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 12:23:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 12:23:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 12:23:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 12:23:00 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

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e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-19

Client Sample ID: Equipment Blank 1
Collection Date: 12/27/2006 3:25:00 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 12:23:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 12:23:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 12:23:00 PM
Surr: 1,2-Dichloroethane-d4	93.4		70-125	%REC	1	1/4/2007 12:23:00 PM
Surr: 4-Bromofluorobenzene	73.4		72.4-125	%REC	1	1/4/2007 12:23:00 PM
Surr: Dibromofluoromethane	94.6		71.2-125	%REC	1	1/4/2007 12:23:00 PM
Surr: Toluene-d8	93.2		75-125	%REC	1	1/4/2007 12:23:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: Equipment Blank 2

Work Order: 0612503

Collection Date: 12/28/2006 11:03:00 AM

Project: Artesia

Lab ID: 0612503-20

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
2-Butanone	ND		10	µg/L	1	1/4/2007 1:13:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 1:13:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 1:13:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 1:13:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 1:13:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 1:13:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 1:13:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 1:13:00 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

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e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: Equipment Blank 2

Work Order: 0612503

Collection Date: 12/28/2006 11:03:00 AM

Project: Artesia

Lab ID: 0612503-20

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 1:13:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 1:13:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 1:13:00 PM
Surr: 1,2-Dichloroethane-d4	88.9		70-125	%REC	1	1/4/2007 1:13:00 PM
Surr: 4-Bromofluorobenzene	73.2		72.4-125	%REC	1	1/4/2007 1:13:00 PM
Surr: Dibromofluoromethane	87.5		71.2-125	%REC	1	1/4/2007 1:13:00 PM
Surr: Toluene-d8	93.9		75-125	%REC	1	1/4/2007 1:13:00 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 Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: Field Blank 1

Work Order: 0612503

Collection Date: 12/27/2006 1:03:00 PM

Project: Artesia

Lab ID: 0612503-21

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
2-Butanone	ND		10	µg/L	1	1/4/2007 1:38:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 1:38:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 1:38:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 1:38:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 1:38:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 1:38:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 1:38:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 1:38:00 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

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e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: Field Blank 1

Work Order: 0612503

Collection Date: 12/27/2006 1:03:00 PM

Project: Artesia

Lab ID: 0612503-21

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 1:38:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 1:38:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 1:38:00 PM
Surr: 1,2-Dichloroethane-d4	95.7		70-125	%REC	1	1/4/2007 1:38:00 PM
Surr: 4-Bromofluorobenzene	74.8		72.4-125	%REC	1	1/4/2007 1:38:00 PM
Surr: Dibromofluoromethane	100		71.2-125	%REC	1	1/4/2007 1:38:00 PM
Surr: Toluene-d8	91.6		75-125	%REC	1	1/4/2007 1:38:00 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

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e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company

Client Sample ID: Field Blank 2

Work Order: 0612503

Collection Date: 12/28/2006 11:09:00 AM

Project: Artesia

Lab ID: 0612503-22

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILES BY GC/MS			SW8260			Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
2-Butanone	ND		10	µg/L	1	1/4/2007 2:03:00 PM
2-Hexanone	ND		10	µg/L	1	1/4/2007 2:03:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	1/4/2007 2:03:00 PM
Acetone	ND		10	µg/L	1	1/4/2007 2:03:00 PM
Benzene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Bromoform	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Bromomethane	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Carbon disulfide	ND		10	µg/L	1	1/4/2007 2:03:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Chlorobenzene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Chloroethane	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Chloroform	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Chloromethane	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Ethylbenzene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
m,p-Xylene	ND		10	µg/L	1	1/4/2007 2:03:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Methylene chloride	ND		10	µg/L	1	1/4/2007 2:03:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Naphthalene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
o-Xylene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Styrene	ND		5.0	µg/L	1	1/4/2007 2:03:00 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

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e-Lab Analytical, Inc.

Date: January 09, 2007

CLIENT: Navajo Refining Company
Work Order: 0612503
Project: Artesia
Lab ID: 0612503-22

Client Sample ID: Field Blank 2
Collection Date: 12/28/2006 11:09:00 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Toluene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Trichloroethene	ND		5.0	µg/L	1	1/4/2007 2:03:00 PM
Vinyl chloride	ND		2.0	µg/L	1	1/4/2007 2:03:00 PM
Xylenes, Total	ND		15	µg/L	1	1/4/2007 2:03:00 PM
Surr: 1,2-Dichloroethane-d4	95.5		70-125	%REC	1	1/4/2007 2:03:00 PM
Surr: 4-Bromofluorobenzene	72.7		72.4-125	%REC	1	1/4/2007 2:03:00 PM
Surr: Dibromofluoromethane	96.6		71.2-125	%REC	1	1/4/2007 2:03:00 PM
Surr: Toluene-d8	91.2		75-125	%REC	1	1/4/2007 2:03:00 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 Analytical, Inc.

Date: Jan 09 2007

CLIENT: Navajo Refining Company
 Work Order: 0612503
 Project: Artesia

QC BATCH REPORT

Batch ID: 21458 Instrument ID FID-2 Method: SW8015M

MBLK Sample ID: FBLKW1-070102 Units: mg/L Analysis Date: 01/04/07 6:42
 Client ID: Run ID: FID-2_070102A SeqNo: 1028335 Prep Date: 1/2/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	ND	0.050								
Surr: 2-Fluorobiphenyl	0.1209	0.010	0.1	0	121	70-130	0			

LCS Sample ID: FLCSW1-070102 Units: mg/L Analysis Date: 01/04/07 7:22
 Client ID: Run ID: FID-2_070102A SeqNo: 1028336 Prep Date: 1/2/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	0.9676	0.050	1	0	96.8	70-130	0			
Surr: 2-Fluorobiphenyl	0.1105	0.010	0.1	0	110	70-130	0			

LCSD Sample ID: FLCSDW1-070102 Units: mg/L Analysis Date: 01/04/07 11:20
 Client ID: Run ID: FID-2_070102A SeqNo: 1028337 Prep Date: 1/2/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	1.272	0.050	1	0	127	70-130	0.9676	27.2	20	R
Surr: 2-Fluorobiphenyl	0.1277	0.010	0.1	0	128	70-130	0.1105	14.5	20	

The following samples were analyzed in this batch:

0612503-01F	0612503-02E	0612503-03E
0612503-04E	0612503-05E	0612503-06E
0612503-07E	0612503-08F	0612503-10E
0612503-17E		

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in assoc. Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

U - Analyzed for but not detected

O - Referenced analyte value is > 4 times amount spiked

P - Dual Column results percent difference > 40%

E - Value above quantitation range

CLIENT: Navajo Refining Company
 Work Order: 0612503
 Project: Artesia

QC BATCH REPORT

Batch ID: **R45542** Instrument ID **FID-9** Method: **SW8015**

MBLK Sample ID: **GBLKW-010307** Units: **mg/L** Analysis Date: **01/03/07 11:39**

Client ID: Run ID: **FID-9_070103A** SeqNo: **1029164** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	ND	0.050								
Surr: 4-Bromofluorobenzene	0.09348	0.0050	0.1	0	93.5	70-130	0			

LCS Sample ID: **GLCSW-010307** Units: **mg/L** Analysis Date: **01/03/07 10:51**

Client ID: Run ID: **FID-9_070103A** SeqNo: **1029163** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	0.9343	0.050	1	0	93.4	70-130	0			
Surr: 4-Bromofluorobenzene	0.08915	0.0050	0.1	0	89.2	70-130	0			

MS Sample ID: **0612435-01AMS** Units: **mg/L** Analysis Date: **01/03/07 14:29**

Client ID: Run ID: **FID-9_070103A** SeqNo: **1028069** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	0.8288	0.050	1	0	82.9	70-130	0			
Surr: 4-Bromofluorobenzene	0.08563	0.0050	0.1	0	85.6	70-130	0			

MSD Sample ID: **0612435-01AMSD** Units: **mg/L** Analysis Date: **01/03/07 14:52**

Client ID: Run ID: **FID-9_070103A** SeqNo: **1028070** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	0.7987	0.050	1	0	79.9	70-130	0.8288	3.71	30	
Surr: 4-Bromofluorobenzene	0.08618	0.0050	0.1	0	86.2	70-130	0.08563	0.643	30	

The following samples were analyzed in this batch:

0612503-01B 0612503-08B

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **21445** Instrument ID **ICPMS02** Method: **SW6020**

MBLK Sample ID: **MBLKW4-122906** Units: **mg/L** Analysis Date: **01/03/07 23:49**
 Client ID: Run ID: **ICPMS02_070103B** SeqNo: **1028007** Prep Date: **12/29/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	0.010								
Arsenic	ND	0.0050								
Barium	ND	0.0050								
Beryllium	ND	0.0020								
Boron	ND	0.020								
Cadmium	ND	0.0020								
Calcium	ND	0.50								
Chromium	ND	0.0050								
Cobalt	ND	0.0050								
Copper	ND	0.0050								
Iron	ND	0.20								
Lead	ND	0.0050								
Magnesium	0.02923	0.20								J
Manganese	ND	0.0050								
Molybdenum	ND	0.0050								
Nickel	0.0004294	0.0050								J
Potassium	0.03475	0.20								J
Selenium	ND	0.0050								
Silver	ND	0.0050								
Sodium	ND	0.20								
Vanadium	ND	0.0050								
Zinc	0.002627	0.0050								J

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **21445** Instrument ID **ICPMS02** Method: **SW6020**

LCS Sample ID: **MLCSW4-122906** Units: **mg/L** Analysis Date: **01/03/07 23:55**
 Client ID: Run ID: **ICPMS02_070103B** SeqNo: **1028008** Prep Date: **12/29/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.04498	0.010	0.05	0	90	79-126	0			
Arsenic	0.05256	0.0050	0.05	0	105	80-121	0			
Barium	0.04998	0.0050	0.05	0	100	79.8-119	0			
Beryllium	0.0499	0.0020	0.05	0	99.8	78.9-120	0			
Boron	0.521	0.020	0.5	0	104	80-120	0			
Cadmium	0.05237	0.0020	0.05	0	105	79.1-119	0			
Calcium	5.191	0.50	5	0	104	80-121	0			
Chromium	0.04931	0.0050	0.05	0	98.6	79.3-121	0			
Cobalt	0.05382	0.0050	0.05	0	108	82-121	0			
Copper	0.04935	0.0050	0.05	0	98.7	81-120	0			
Iron	5.114	0.20	5	0	102	80-120	0			
Lead	0.05074	0.0050	0.05	0	101	80-118	0			
Magnesium	4.972	0.20	5	0	99.4	80-120	0			
Manganese	0.04947	0.0050	0.05	0	98.9	82-119	0			
Molybdenum	0.05031	0.0050	0.05	0	101	81-116	0			
Nickel	0.05441	0.0050	0.05	0	109	82-120	0			
Potassium	4.977	0.20	5	0	99.5	80-120	0			
Selenium	0.05282	0.0050	0.05	0	106	79.2-118	0			
Silver	0.05016	0.0050	0.05	0	100	80-117	0			
Sodium	4.962	0.20	5	0	99.2	80.6-119	0			
Vanadium	0.04955	0.0050	0.05	0	99.1	82.1-119	0			
Zinc	0.05848	0.0050	0.05	0	117	79-118	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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **21445** Instrument ID **ICPMS02** Method: **SW6020**

MS Sample ID: **0612501-04CMS** Units: **mg/L** Analysis Date: **01/04/07 0:18**
 Client ID: Run ID: **ICPMS02_070103B** SeqNo: **1028012** Prep Date: **12/29/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.04604	0.010	0.05	-0.001211	94.5	79-126	0			
Arsenic	0.05595	0.0050	0.05	0.003204	105	80-121	0			
Barium	0.08655	0.0050	0.05	0.03425	105	79.8-119	0			
Beryllium	0.04754	0.0020	0.05	-0.000397	95.9	78.9-120	0			
Boron	0.6178	0.020	0.5	0.1249	98.6	80-120	0			
Cadmium	0.05066	0.0020	0.05	-0.0003653	102	79.1-119	0			
Calcium	132.1	0.50	5	122.3	196	80-121	0			SO
Chromium	0.05104	0.0050	0.05	-0.00003129	102	79.3-121	0			
Cobalt	0.05336	0.0050	0.05	-0.0003521	107	82-121	0			
Copper	0.04767	0.0050	0.05	-0.0005572	96.5	80-120	0			
Iron	14.03	0.20	5	8.892	103	80-120	0			
Lead	0.05127	0.0050	0.05	-0.0002565	103	80-118	0			
Magnesium	10.59	0.20	5	5.512	102	80-120	0			
Manganese	0.2132	0.0050	0.05	0.16	106	82-119	0			
Molybdenum	0.05315	0.0050	0.05	0.002339	102	81-116	0			
Nickel	0.05364	0.0050	0.05	0.006683	93.9	82-120	0			
Potassium	6.986	0.20	5	1.766	104	80-120	0			
Selenium	0.04999	0.0050	0.05	0.0004835	99	79.2-118	0			
Silver	0.04554	0.0050	0.05	-0.0007971	92.7	80-117	0			
Sodium	48.58	0.20	5	42.63	119	80.6-119	0			O
Vanadium	0.05264	0.0050	0.05	0.00005144	105	82.1-119	0			
Zinc	0.05065	0.0050	0.05	0.004189	92.9	79-118	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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **21445** Instrument ID **ICPMS02** Method: **SW6020**

MSD Sample ID: **0612501-04CMSD** Units: **mg/L** Analysis Date: **01/04/07 0:24**
 Client ID: Run ID: **ICPMS02_070103B** SeqNo: **1028013** Prep Date: **12/29/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.04714	0.010	0.05	-0.001211	96.7	79-126	0.04604	2.36	15	
Arsenic	0.05614	0.0050	0.05	0.003204	106	80-121	0.05595	0.339	15	
Barium	0.08753	0.0050	0.05	0.03425	107	79.8-119	0.08655	1.13	15	
Beryllium	0.04951	0.0020	0.05	-0.000397	99.8	78.9-120	0.04754	4.06	15	
Boron	0.6556	0.020	0.5	0.1249	106	80-120	0.6178	5.94	15	
Cadmium	0.05202	0.0020	0.05	-0.0003653	105	79.1-119	0.05066	2.65	15	
Calcium	133.2	0.50	5	122.3	218	80-121	132.1	0.829	15	SO
Chromium	0.05236	0.0050	0.05	-0.00003129	105	79.3-121	0.05104	2.55	15	
Cobalt	0.05466	0.0050	0.05	-0.0003521	110	82-121	0.05336	2.41	15	
Copper	0.04861	0.0050	0.05	-0.0005572	98.3	81-120	0.04767	1.95	15	
Iron	14.56	0.20	5	8.892	113	80-120	14.03	3.71	15	
Lead	0.05227	0.0050	0.05	-0.0002565	105	80-118	0.05127	1.93	15	
Magnesium	10.91	0.20	5	5.512	108	80-120	10.59	2.98	15	
Manganese	0.218	0.0050	0.05	0.16	116	82-119	0.2132	2.23	15	
Molybdenum	0.0549	0.0050	0.05	0.002339	105	81-116	0.05315	3.24	15	
Nickel	0.05457	0.0050	0.05	0.006683	95.8	82-120	0.05364	1.72	15	
Potassium	7.127	0.20	5	1.766	107	80-120	6.986	2	15	
Selenium	0.0517	0.0050	0.05	0.0004835	102	79.2-118	0.04999	3.36	15	
Silver	0.04556	0.0050	0.05	-0.0007971	92.7	80-117	0.04554	0.0439	15	
Sodium	49.98	0.20	5	42.63	147	80.6-119	48.58	2.84	15	SO
Vanadium	0.0539	0.0050	0.05	0.00005144	108	82.1-119	0.05264	2.37	15	
Zinc	0.05119	0.0050	0.05	0.004189	94	79-118	0.05065	1.06	15	

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **21445** Instrument ID **ICPMS02** Method: **SW6020**

DUP Sample ID: **0612501-04CDUP** Units: **mg/L** Analysis Date: **01/04/07 0:06**
 Client ID: Run ID: **ICPMS02_070103B** SeqNo: **1028010** Prep Date: **12/29/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	0.010	0	0	0	0-0	-0.001211	0	25	
Arsenic	0.003353	0.0050	0	0	0	0-0	0.003204	0	25	J
Barium	0.03533	0.0050	0	0	0	0-0	0.03425	3.1	25	
Beryllium	ND	0.0020	0	0	0	0-0	-0.000397	0	25	
Boron	0.1281	0.020	0	0	0	0-0	0.1249	2.53	25	
Cadmium	ND	0.0020	0	0	0	0-0	-0.0003653	0	25	
Calcium	127.5	0.50	0	0	0	0-0	122.3	4.16	25	
Chromium	ND	0.0050	0	0	0	0-0	-0.00003129	0	25	
Cobalt	ND	0.0050	0	0	0	0-0	-0.0003521	0	25	
Copper	ND	0.0050	0	0	0	0-0	-0.0005572	0	25	
Iron	9.147	0.20	0	0	0	0-0	8.892	2.83	25	
Lead	ND	0.0050	0	0	0	0-0	-0.0002565	0	25	
Magnesium	5.705	0.20	0	0	0	0-0	5.512	3.44	25	
Manganese	0.1666	0.0050	0	0	0	0-0	0.16	4.04	25	
Molybdenum	0.002481	0.0050	0	0	0	0-0	0.002339	0	25	J
Nickel	0.003132	0.0050	0	0	0	0-0	0.006683	0	25	J
Potassium	1.824	0.20	0	0	0	0-0	1.766	3.23	25	
Selenium	ND	0.0050	0	0	0	0-0	0.0004835	0	25	
Silver	ND	0.0050	0	0	0	0-0	-0.0007971	0	25	
Sodium	44.23	0.20	0	0	0	0-0	42.63	3.68	25	
Vanadium	ND	0.0050	0	0	0	0-0	0.00005144	0	25	
Zinc	ND	0.0050	0	0	0	0-0	0.004189	0	25	

The following samples were analyzed in this batch:

0612503-01D	0612503-02C	0612503-03C
0612503-04C	0612503-05C	0612503-06C
0612503-07C	0612503-08D	0612503-09C
0612503-10C	0612503-17C	

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **21524** Instrument ID **Mercury** Method: **SW7470**

MBLK Sample ID: **GBLKW2-010807** Units: **mg/L** Analysis Date: **01/08/07 18:21**

Client ID: Run ID: **MERCURY_070108B** SeqNo: **1030075** Prep Date: **1/8/2007** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.000068	0.00020	0	0	0	0-0	0			J

LCS Sample ID: **GLCSW2-010807** Units: **mg/L** Analysis Date: **01/08/07 18:23**

Client ID: Run ID: **MERCURY_070108B** SeqNo: **1030076** Prep Date: **1/8/2007** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00481	0.00020	0.005	0	96.2	85-115	0			

LCSD Sample ID: **GLCSDW2-010807** Units: **mg/L** Analysis Date: **01/08/07 18:25**

Client ID: Run ID: **MERCURY_070108B** SeqNo: **1030077** Prep Date: **1/8/2007** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00471	0.00020	0.005	0	94.2	85-115	0.00481	2.1	20	

MS Sample ID: **0701027-01DMS** Units: **mg/L** Analysis Date: **01/08/07 18:34**

Client ID: Run ID: **MERCURY_070108B** SeqNo: **1030080** Prep Date: **1/8/2007** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00436	0.00020	0.005	0.000065	85.9	85-115	0			

MSD Sample ID: **0701027-01DMSD** Units: **mg/L** Analysis Date: **01/08/07 18:36**

Client ID: Run ID: **MERCURY_070108B** SeqNo: **1030081** Prep Date: **1/8/2007** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00477	0.00020	0.005	0.000065	94.1	85-115	0.00436	8.98	20	

DUP Sample ID: **0701027-01DDUP** Units: **mg/L** Analysis Date: **01/08/07 18:32**

Client ID: Run ID: **MERCURY_070108B** SeqNo: **1030079** Prep Date: **1/8/2007** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.000052	0.00020	0	0	0	0-0	0.000065	0	20	J

The following samples were analyzed in this batch:

0612503-01D	0612503-02C	0612503-03C
0612503-04C	0612503-05C	0612503-06C
0612503-07C	0612503-08D	0612503-09C
0612503-10C	0612503-17C	

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **R45580** Instrument ID **VOA2** Method: **SW8260**

MBLK Sample ID: **VBLKW-070104** Units: **µg/L** Analysis Date: **01/04/07 11:58**
 Client ID: Run ID: **VOA2_070104A** SeqNo: **1029054** 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								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
2-Butanone	ND	10								
2-Hexanone	ND	10								
4-Isopropyltoluene	ND	5.0								
4-Methyl-2-pentanone	ND	10								
Acetone	ND	10								
Benzene	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	10								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								
Ethylbenzene	ND	5.0								
Isopropylbenzene	ND	5.0								
m,p-Xylene	ND	10								
Methyl tert-butyl ether	ND	5.0								
Methylene chloride	ND	10								
n-Butylbenzene	ND	5.0								
n-Propylbenzene	ND	5.0								
Naphthalene	ND	5.0								
o-Xylene	ND	5.0								
sec-Butylbenzene	ND	5.0								
Styrene	ND	5.0								
Tetrachloroethene	ND	5.0								

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: R45580		Instrument ID VOA2		Method: SW8260				
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	44.03	5.0	50	0	88.1	70-125	0	
Surr: 4-Bromofluorobenzene	36.86	5.0	50	0	73.7	72.4-125	0	
Surr: Dibromofluoromethane	43.48	5.0	50	0	87	71.2-125	0	
Surr: Toluene-d8	46.71	5.0	50	0	93.4	75-125	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: 0612503
 Project: Artesia

QC BATCH REPORT

Batch ID: R45580 Instrument ID VOA2 Method: SW8260

LCS Sample ID: VLCSW-070104 Units: µg/L Analysis Date: 01/04/07 11:07

Client ID: Run ID: VOA2_070104A SeqNo: 1029029 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	47.1	5.0	50	0	94.2	79.6-120	0			
1,1,2,2-Tetrachloroethane	49.11	5.0	50	0	98.2	78.9-121	0			
1,1,2-Trichloroethane	46.87	5.0	50	0	93.7	80-120	0			
1,1-Dichloroethane	47.78	5.0	50	0	95.6	74.2-122	0			
1,1-Dichloroethene	49.3	5.0	50	0	98.6	75.8-122	0			
1,2,4-Trimethylbenzene	46.48	5.0	50	0	93	80-120	0			
1,2-Dibromoethane	49.53	5.0	50	0	99.1	80-120	0			
1,2-Dichloroethane	45.67	5.0	50	0	91.3	78.8-120	0			
1,2-Dichloropropane	48.5	5.0	50	0	97	80-120	0			
1,3,5-Trimethylbenzene	46.18	5.0	50	0	92.4	80-120	0			
2-Butanone	116.3	10	100	0	116	69.2-131	0			
2-Hexanone	109.3	10	100	0	109	59.1-135	0			
4-Isopropyltoluene	46.41	5.0	50	0	92.8	80-120	0			
4-Methyl-2-pentanone	104	10	100	0	104	71.6-124	0			
Acetone	136.8	10	100	0	137	60.1-141	0			
Benzene	47.72	5.0	50	0	95.4	80-120	0			
Bromodichloromethane	48.99	5.0	50	0	98	80-120	0			
Bromoform	50.7	5.0	50	0	101	78.1-120	0			
Bromomethane	39.8	5.0	50	0	79.6	52.8-147	0			
Carbon disulfide	103.8	10	100	0	104	78.8-120	0			
Carbon tetrachloride	43.47	5.0	50	0	86.9	76.8-120	0			
Chlorobenzene	46.55	5.0	50	0	93.1	80-120	0			
Chloroethane	49.83	5.0	50	0	99.7	74.2-120	0			
Chloroform	47.64	5.0	50	0	95.3	80-120	0			
Chloromethane	44.96	5.0	50	0	89.9	63.5-133	0			
cis-1,2-Dichloroethene	47.88	5.0	50	0	95.8	80-120	0			
cis-1,3-Dichloropropene	47.02	5.0	50	0	94	80-120	0			
Dibromochloromethane	49.91	5.0	50	0	99.8	80-120	0			
Ethylbenzene	50.09	5.0	50	0	100	80-120	0			
Isopropylbenzene	46.17	5.0	50	0	92.3	80-120	0			
m,p-Xylene	94.58	10	100	0	94.6	80-120	0			
Methyl tert-butyl ether	50.74	5.0	50	0	101	75.8-123	0			
Methylene chloride	50.02	10	50	0	100	74.7-120	0			
n-Butylbenzene	46.44	5.0	50	0	92.9	80-120	0			
n-Propylbenzene	45.77	5.0	50	0	91.5	80-120	0			
Naphthalene	51.25	5.0	50	0	103	71.4-124	0			
o-Xylene	48.19	5.0	50	0	96.4	80-120	0			
sec-Butylbenzene	45.64	5.0	50	0	91.3	80-120	0			
Styrene	51.66	5.0	50	0	103	80-120	0			
Tetrachloroethene	47.55	5.0	50	0	95.1	80-120	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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: R45580		Instrument ID VOA2		Method: SW8260				
Toluene	50.57	5.0	50	0	101	80-120	0	
trans-1,2-Dichloroethene	49.18	5.0	50	0	98.4	75.9-122	0	
trans-1,3-Dichloropropene	51.46	5.0	50	0	103	80-120	0	
Trichloroethene	49.09	5.0	50	0	98.2	80-120	0	
Vinyl chloride	49.03	2.0	50	0	98.1	76.2-121	0	
Xylenes, Total	142.8	15	150	0	95.2	80-120	0	
Surr: 1,2-Dichloroethane-d4	42.05	5.0	50	0	84.1	70-125	0	
Surr: 4-Bromofluorobenzene	43.02	5.0	50	0	86	72.4-125	0	
Surr: Dibromofluoromethane	42.87	5.0	50	0	85.7	71.2-125	0	
Surr: Toluene-d8	44.88	5.0	50	0	89.8	75-125	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: 0612503
 Project: Artesia

QC BATCH REPORT

Batch ID: **R45580** Instrument ID **VOA2** Method: **SW8260**

MS Sample ID: **0612503-18AMS** Units: **µg/L** Analysis Date: **01/04/07 14:53**

Client ID: **Duplicate #10** Run ID: **VOA2_070104A** SeqNo: **1029038** 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	47.49	5.0	50	0	95	79.6-120	0			
1,1,2,2-Tetrachloroethane	47.14	5.0	50	0	94.3	78.9-121	0			
1,1,2-Trichloroethane	46.82	5.0	50	0	93.6	80-120	0			
1,1-Dichloroethane	48.57	5.0	50	0	97.1	74.2-122	0			
1,1-Dichloroethene	45.41	5.0	50	0	90.8	75.8-122	0			
1,2,4-Trimethylbenzene	36.94	5.0	50	0	73.9	80-120	0			S
1,2-Dibromoethane	49.49	5.0	50	0	99	80-120	0			
1,2-Dichloroethane	48.72	5.0	50	0	97.4	78.8-120	0			
1,2-Dichloropropane	49.49	5.0	50	0	99	80-120	0			
1,3,5-Trimethylbenzene	36.34	5.0	50	0	72.7	80-120	0			S
2-Butanone	108	10	100	0	108	69.2-131	0			
2-Hexanone	101.3	10	100	0	101	59.1-135	0			
4-Isopropyltoluene	40.61	5.0	50	0	81.2	80-120	0			
4-Methyl-2-pentanone	99.55	10	100	0	99.5	71.6-124	0			
Acetone	115.4	10	100	0	115	60.1-141	0			
Benzene	47.51	5.0	50	0	95	80-120	0			
Bromodichloromethane	50.64	5.0	50	0	101	80-120	0			
Bromoform	46.08	5.0	50	0	92.2	78.1-120	0			
Bromomethane	32.99	5.0	50	0	66	52.8-147	0			
Carbon disulfide	92.65	10	100	0	92.6	78.8-120	0			
Carbon tetrachloride	40.7	5.0	50	0	81.4	76.8-120	0			
Chlorobenzene	47.22	5.0	50	0	94.4	80-120	0			
Chloroethane	49.89	5.0	50	0	99.8	74.2-120	0			
Chloroform	51.37	5.0	50	0	103	80-120	0			
Chloromethane	47.36	5.0	50	0	94.7	63.5-133	0			
cis-1,2-Dichloroethene	48.88	5.0	50	0	97.8	80-120	0			
cis-1,3-Dichloropropene	45.18	5.0	50	0	90.4	80-120	0			
Dibromochloromethane	48.11	5.0	50	0	96.2	80-120	0			
Ethylbenzene	47.79	5.0	50	0	95.6	80-120	0			
Isopropylbenzene	43.03	5.0	50	0	86.1	80-120	0			
m,p-Xylene	83.76	10	100	0	83.8	80-120	0			
Methyl tert-butyl ether	52.17	5.0	50	2.43	99.5	75.8-123	0			
Methylene chloride	51.26	10	50	0	103	74.7-120	0			
n-Butylbenzene	41.45	5.0	50	0	82.9	80-120	0			
n-Propylbenzene	42.77	5.0	50	0	85.5	80-120	0			
Naphthalene	45.84	5.0	50	0	91.7	71.4-124	0			
o-Xylene	44.73	5.0	50	0	89.5	80-120	0			
sec-Butylbenzene	40.78	5.0	50	0	81.6	80-120	0			
Styrene	30.75	5.0	50	0	61.5	80-120	0			S
Tetrachloroethene	44.2	5.0	50	0	88.4	80-120	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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: R45580		Instrument ID VOA2		Method: SW8260				
Toluene	47.67	5.0	50	0	95.3	80-120	0	
trans-1,2-Dichloroethene	47.68	5.0	50	0	95.4	75.9-122	0	
trans-1,3-Dichloropropene	48.35	5.0	50	0	96.7	80-120	0	
Trichloroethene	47.02	5.0	50	0	94	80-120	0	
Vinyl chloride	47.91	2.0	50	0	95.8	76.2-121	0	
Xylenes, Total	128.5	15	150	0	85.7	80-120	0	
<i>Surr: 1,2-Dichloroethane-d4</i>	43.56	5.0	50	0	87.1	70-125	0	
<i>Surr: 4-Bromofluorobenzene</i>	42.23	5.0	50	0	84.5	72.4-125	0	
<i>Surr: Dibromofluoromethane</i>	45.73	5.0	50	0	91.5	71.2-125	0	
<i>Surr: Toluene-d8</i>	43.75	5.0	50	0	87.5	75-125	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: 0612503
 Project: Artesia

QC BATCH REPORT

Batch ID: R45580 Instrument ID VOA2 Method: SW8260

MSD Sample ID: 0612503-18AMSD Units: µg/L Analysis Date: 01/04/07 15:18

Client ID: Duplicate #10 Run ID: VOA2_070104A SeqNo: 1029039 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	46.8	5.0	50	0	93.6	79.6-120	47.49	1.45	20	
1,1,2,2-Tetrachloroethane	48.32	5.0	50	0	96.6	78.9-121	47.14	2.48	20	
1,1,2-Trichloroethane	46.54	5.0	50	0	93.1	80-120	46.82	0.607	20	
1,1-Dichloroethane	48.52	5.0	50	0	97	74.2-122	48.57	0.101	20	
1,1-Dichloroethene	46.7	5.0	50	0	93.4	75.8-122	45.41	2.79	20	
1,2,4-Trimethylbenzene	37.8	5.0	50	0	75.6	80-120	36.94	2.29	20	S
1,2-Dibromoethane	49.04	5.0	50	0	98.1	80-120	49.49	0.909	20	
1,2-Dichloroethane	47.73	5.0	50	0	95.5	78.8-120	48.72	2.07	20	
1,2-Dichloropropane	48.54	5.0	50	0	97.1	80-120	49.49	1.94	20	
1,3,5-Trimethylbenzene	37.44	5.0	50	0	74.9	80-120	36.34	2.98	20	S
2-Butanone	117.2	10	100	0	117	69.2-131	108	8.21	20	
2-Hexanone	109.7	10	100	0	110	59.1-135	101.3	7.94	20	
4-Isopropyltoluene	41.8	5.0	50	0	83.6	80-120	40.61	2.88	20	
4-Methyl-2-pentanone	102.2	10	100	0	102	71.6-124	99.55	2.61	20	
Acetone	129.4	10	100	0	129	60.1-141	115.4	11.4	20	
Benzene	47.14	5.0	50	0	94.3	80-120	47.51	0.776	20	
Bromodichloromethane	49.52	5.0	50	0	99	80-120	50.64	2.22	20	
Bromoform	47.09	5.0	50	0	94.2	78.1-120	46.08	2.16	20	
Bromomethane	37.02	5.0	50	0	74	52.8-147	32.99	11.5	20	
Carbon disulfide	92.21	10	100	0	92.2	78.8-120	92.65	0.471	20	
Carbon tetrachloride	41.18	5.0	50	0	82.4	76.8-120	40.7	1.18	20	
Chlorobenzene	46.04	5.0	50	0	92.1	80-120	47.22	2.53	20	
Chloroethane	50.84	5.0	50	0	102	74.2-120	49.89	1.89	20	
Chloroform	48.47	5.0	50	0	96.9	80-120	51.37	5.81	20	
Chloromethane	45.18	5.0	50	0	90.4	63.5-133	47.36	4.71	20	
cis-1,2-Dichloroethene	49.01	5.0	50	0	98	80-120	48.88	0.262	20	
cis-1,3-Dichloropropene	44.23	5.0	50	0	88.5	80-120	45.18	2.11	20	
Dibromochloromethane	46.86	5.0	50	0	93.7	80-120	48.11	2.63	20	
Ethylbenzene	47.76	5.0	50	0	95.5	80-120	47.79	0.0599	20	
Isopropylbenzene	43.12	5.0	50	0	86.2	80-120	43.03	0.199	20	
m,p-Xylene	85.82	10	100	0	85.8	80-120	83.76	2.42	20	
Methyl tert-butyl ether	53.94	5.0	50	2.43	103	75.8-123	52.17	3.34	20	
Methylene chloride	51.39	10	50	0	103	74.7-120	51.26	0.253	20	
n-Butylbenzene	42.43	5.0	50	0	84.9	80-120	41.45	2.32	20	
n-Propylbenzene	43.18	5.0	50	0	86.4	80-120	42.77	0.949	20	
Naphthalene	52.42	5.0	50	0	105	71.4-124	45.84	13.4	20	
o-Xylene	44.44	5.0	50	0	88.9	80-120	44.73	0.642	20	
sec-Butylbenzene	42.33	5.0	50	0	84.7	80-120	40.78	3.73	20	
Styrene	32.07	5.0	50	0	64.1	80-120	30.75	4.19	20	S
Tetrachloroethene	44.15	5.0	50	0	88.3	80-120	44.2	0.109	20	

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: R45580	Instrument ID VOA2			Method: SW8260						
Toluene	46.8	5.0	50	0	93.6	80-120	47.67	1.84	20	
trans-1,2-Dichloroethene	47.51	5.0	50	0	95	75.9-122	47.68	0.357	20	
trans-1,3-Dichloropropene	48.01	5.0	50	0	96	80-120	48.35	0.705	20	
Trichloroethene	47.24	5.0	50	0	94.5	80-120	47.02	0.461	20	
Vinyl chloride	48.26	2.0	50	0	96.5	76.2-121	47.91	0.736	20	
Xylenes, Total	130.3	15	150	0	86.8	80-120	128.5	1.37	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	42.63	5.0	50	0	85.3	70-125	43.56	2.14	20	
<i>Surr: 4-Bromofluorobenzene</i>	41.41	5.0	50	0	82.8	72.4-125	42.23	1.94	20	
<i>Surr: Dibromofluoromethane</i>	46.36	5.0	50	0	92.7	71.2-125	45.73	1.39	20	
<i>Surr: Toluene-d8</i>	43.32	5.0	50	0	86.6	75-125	43.75	0.997	20	

The following samples were analyzed in this batch:

0612503-03A	0612503-04A	0612503-05A
0612503-06A	0612503-07A	0612503-08A
0612503-10A	0612503-11A	0612503-12A
0612503-13A	0612503-14A	0612503-15A
0612503-16A	0612503-17A	0612503-18A
0612503-19A	0612503-20A	0612503-21A
0612503-22A		

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **R45629** Instrument ID **VOA2** Method: **SW8260**

MBLK Sample ID: **VLKW-070105** Units: **µg/L** Analysis Date: **01/05/07 12:48**
 Client ID: Run ID: **VOA2_070105A** SeqNo: **1029663** 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								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
2-Butanone	ND	10								
2-Hexanone	ND	10								
4-Isopropyltoluene	ND	5.0								
4-Methyl-2-pentanone	ND	10								
Acetone	ND	10								
Benzene	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	10								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								
Ethylbenzene	ND	5.0								
Isopropylbenzene	ND	5.0								
m,p-Xylene	ND	10								
Methyl tert-butyl ether	ND	5.0								
Methylene chloride	ND	10								
n-Butylbenzene	ND	5.0								
n-Propylbenzene	ND	5.0								
Naphthalene	ND	5.0								
o-Xylene	ND	5.0								
sec-Butylbenzene	ND	5.0								
Styrene	ND	5.0								
Tetrachloroethene	ND	5.0								

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: 0612503
 Project: Artesia

QC BATCH REPORT

Batch ID: R45629		Instrument ID VOA2		Method: SW8260				
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	43.63	5.0	50	0	87.3	70-125	0	
Surr: 4-Bromofluorobenzene	36.53	5.0	50	0	73.1	72-125	0	
Surr: Dibromofluoromethane	43.99	5.0	50	0	88	71-125	0	
Surr: Toluene-d8	46.66	5.0	50	0	93.3	75-125	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: 0612503
 Project: Artesia

QC BATCH REPORT

Batch ID: **R45629** Instrument ID **VOA2** Method: **SW8260**

LCS Sample ID: **VLCSW-070105** Units: **µg/L** Analysis Date: **01/05/07 11:58**

Client ID: Run ID: **VOA2_070105A** SeqNo: **1029662** 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	47.45	5.0	50	0	94.9	80-120	0			
1,1,2,2-Tetrachloroethane	45.63	5.0	50	0	91.3	72-120	0			
1,1,2-Trichloroethane	46.09	5.0	50	0	92.2	80-120	0			
1,1-Dichloroethane	48.68	5.0	50	0	97.4	76-120	0			
1,1-Dichloroethene	48.84	5.0	50	0	97.7	73-124	0			
1,2,4-Trimethylbenzene	44.55	5.0	50	0	89.1	68-123	0			
1,2-Dibromoethane	48.69	5.0	50	0	97.4	80-120	0			
1,2-Dichloroethane	47.28	5.0	50	0	94.6	78-120	0			
1,2-Dichloropropane	49.05	5.0	50	0	98.1	80-120	0			
1,3,5-Trimethylbenzene	43.47	5.0	50	0	86.9	80-120	0			
2-Butanone	110.5	10	100	0	110	58-132	0			
2-Hexanone	96.5	10	100	0	96.5	61-130	0			
4-Isopropyltoluene	42.66	5.0	50	0	85.3	79-120	0			
4-Methyl-2-pentanone	93.81	10	100	0	93.8	65-127	0			
Acetone	122.4	10	100	0	122	59-137	0			
Benzene	48.52	5.0	50	0	97	73-121	0			
Bromodichloromethane	50.13	5.0	50	0	100	80-120	0			
Bromoform	48.16	5.0	50	0	96.3	79-120	0			
Bromomethane	41.72	5.0	50	0	83.4	66-137	0			
Carbon disulfide	100.9	10	100	0	101	68-141	0			
Carbon tetrachloride	41.31	5.0	50	0	82.6	75-124	0			
Chlorobenzene	45.83	5.0	50	0	91.7	80-120	0			
Chloroethane	48.16	5.0	50	0	96.3	76-121	0			
Chloroform	49.05	5.0	50	0	98.1	80-120	0			
Chloromethane	43.66	5.0	50	0	87.3	67-123	0			
cis-1,2-Dichloroethene	50.76	5.0	50	0	102	78-120	0			
cis-1,3-Dichloropropene	47.7	5.0	50	0	95.4	80-120	0			
Dibromochloromethane	48.85	5.0	50	0	97.7	80-120	0			
Ethylbenzene	48.21	5.0	50	0	96.4	80-120	0			
Isopropylbenzene	42.29	5.0	50	0	84.6	80-141	0			
m,p-Xylene	90.36	10	100	0	90.4	78-121	0			
Methyl tert-butyl ether	49.98	5.0	50	0	100	73-121	0			
Methylene chloride	50.95	10	50	0	102	65-133	0			
n-Butylbenzene	41.81	5.0	50	0	83.6	77-120	0			
n-Propylbenzene	42.75	5.0	50	0	85.5	78-120	0			
Naphthalene	45.83	5.0	50	0	91.7	65-127	0			
o-Xylene	46.48	5.0	50	0	93	80-120	0			
sec-Butylbenzene	41.07	5.0	50	0	82.1	78-120	0			
Styrene	50.24	5.0	50	0	100	80-120	0			
Tetrachloroethene	44.22	5.0	50	0	88.4	79-120	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: 0612503
 Project: Artesia

QC BATCH REPORT

Batch ID: R45629		Instrument ID VOA2		Method: SW8260				
Toluene	48.77	5.0	50	0	97.5	80-120	0	
trans-1,2-Dichloroethene	49.42	5.0	50	0	98.8	78-120	0	
trans-1,3-Dichloropropene	50.85	5.0	50	0	102	80-120	0	
Trichloroethene	48.47	5.0	50	0	96.9	80-120	0	
Vinyl chloride	47.88	2.0	50	0	95.8	74-122	0	
Xylenes, Total	136.8	15	150	0	91.2	80-120	0	
Surr: 1,2-Dichloroethane-d4	41.05	5.0	50	0	82.1	70-125	0	
Surr: 4-Bromofluorobenzene	41.35	5.0	50	0	82.7	72-125	0	
Surr: Dibromofluoromethane	43.48	5.0	50	0	87	71-125	0	
Surr: Toluene-d8	43.86	5.0	50	0	87.7	75-125	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: 0612503
 Project: Artesia

QC BATCH REPORT

Batch ID: R45629 Instrument ID VOA2 Method: SW8260

MS Sample ID: 0612503-09AMS Units: µg/L Analysis Date: 01/05/07 15:44
 Client ID: RW-1 Run ID: VOA2_070105A SeqNo: 1029670 Prep Date: DF: 25

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1027	120	1250	0	82.2	80-120	0			
1,1,2,2-Tetrachloroethane	1149	120	1250	0	91.9	72-120	0			
1,1,2-Trichloroethane	1124	120	1250	0	89.9	80-120	0			
1,1-Dichloroethane	1162	120	1250	0	93	76-120	0			
1,1-Dichloroethene	1096	120	1250	0	87.7	73-124	0			
1,2,4-Trimethylbenzene	1369	120	1250	254.4	89.1	68-123	0			
1,2-Dibromoethane	1231	120	1250	0	98.5	80-120	0			
1,2-Dichloroethane	1148	120	1250	0	91.8	78-120	0			
1,2-Dichloropropane	1145	120	1250	0	91.6	80-120	0			
1,3,5-Trimethylbenzene	1123	120	1250	63.4	84.7	80-120	0			
2-Butanone	2705	250	2500	0	108	58-132	0			
2-Hexanone	2591	250	2500	0	104	61-130	0			
4-Isopropyltoluene	1045	120	1250	0	83.6	79-120	0			
4-Methyl-2-pentanone	2541	250	2500	0	102	65-127	0			
Acetone	2910	250	2500	0	116	59-137	0			
Benzene	3957	120	1250	2915	83.4	73-121	0			
Bromodichloromethane	1181	120	1250	0	94.4	80-120	0			
Bromoform	1204	120	1250	0	96.4	79-120	0			
Bromomethane	749	120	1250	0	59.9	66-137	0			S
Carbon disulfide	2354	250	2500	0	94.2	68-141	0			
Carbon tetrachloride	882.3	120	1250	0	70.6	75-124	0			S
Chlorobenzene	1131	120	1250	0	90.5	80-120	0			
Chloroethane	1219	120	1250	0	97.6	76-121	0			
Chloroform	1140	120	1250	0	91.2	80-120	0			
Chloromethane	1086	120	1250	0	86.9	67-123	0			
cis-1,2-Dichloroethene	1283	120	1250	78.8	96.4	78-120	0			
cis-1,3-Dichloropropene	1138	120	1250	0	91	80-120	0			
Dibromochloromethane	1212	120	1250	0	96.9	80-120	0			
Ethylbenzene	1413	120	1250	184.3	98.3	80-120	0			
Isopropylbenzene	1090	120	1250	84.11	80.5	80-141	0			
m,p-Xylene	2463	250	2500	224.7	89.5	78-121	0			
Methyl tert-butyl ether	1648	120	1250	125.7	122	73-121	0			S
Methylene chloride	1263	250	1250	0	101	65-133	0			
n-Butylbenzene	1010	120	1250	81.66	74.2	77-120	0			S
n-Propylbenzene	1135	120	1250	90.41	83.6	78-120	0			
Naphthalene	1515	120	1250	130.8	111	65-127	0			
o-Xylene	1224	120	1250	52.89	93.7	80-120	0			
sec-Butylbenzene	1008	120	1250	86.77	73.7	78-120	0			S
Styrene	1249	120	1250	0	99.9	80-120	0			
Tetrachloroethene	1115	120	1250	84.07	82.5	79-120	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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: R45629	Instrument ID VOA2		Method: SW8260					
Toluene	1392	120	1250	189.8	96.2	80-120	0	
trans-1,2-Dichloroethene	1161	120	1250	0	92.9	78-120	0	
trans-1,3-Dichloropropene	1237	120	1250	0	98.9	80-120	0	
Trichloroethene	1414	120	1250	267	91.7	80-120	0	
Vinyl chloride	1065	50	1250	0	85.2	74-122	0	
Xylenes, Total	3687	380	3750	277.6	90.9	80-120	0	
Surr: 1,2-Dichloroethane-d4	984.3	120	1250	0	78.7	70-125	0	
Surr: 4-Bromofluorobenzene	1053	120	1250	0	84.2	72-125	0	
Surr: Dibromofluoromethane	1062	120	1250	0	85	71-125	0	
Surr: Toluene-d8	1120	120	1250	0	89.6	75-125	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: 0612503
 Project: Artesia

QC BATCH REPORT

Batch ID: **R45629** Instrument ID **VOA2** Method: **SW8260**

MSD Sample ID: **0612503-09AMSD** Units: **µg/L** Analysis Date: **01/05/07 16:09**

Client ID: **RW-1** Run ID: **VOA2_070105A** SeqNo: **1029671** Prep Date: DF: **25**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1184	120	1250	0	94.7	80-120	1027	14.2	20	
1,1,2,2-Tetrachloroethane	1135	120	1250	0	90.8	72-120	1149	1.18	20	
1,1,2-Trichloroethane	1141	120	1250	0	91.3	80-120	1124	1.49	20	
1,1-Dichloroethane	1203	120	1250	0	96.2	76-120	1162	3.44	20	
1,1-Dichloroethene	1279	120	1250	0	102	73-124	1096	15.4	20	
1,2,4-Trimethylbenzene	1429	120	1250	254.4	93.9	68-123	1369	4.3	20	
1,2-Dibromoethane	1213	120	1250	0	97	80-120	1231	1.45	20	
1,2-Dichloroethane	1166	120	1250	0	93.3	78-120	1148	1.58	20	
1,2-Dichloropropane	1167	120	1250	0	93.3	80-120	1145	1.85	20	
1,3,5-Trimethylbenzene	1210	120	1250	63.4	91.7	80-120	1123	7.5	20	
2-Butanone	2780	250	2500	0	111	58-132	2705	2.73	20	
2-Hexanone	2595	250	2500	0	104	61-130	2591	0.163	20	
4-Isopropyltoluene	1212	120	1250	0	97	79-120	1045	14.9	20	
4-Methyl-2-pentanone	2444	250	2500	0	97.8	65-127	2541	3.87	20	
Acetone	2974	250	2500	0	119	59-137	2910	2.16	20	
Benzene	3899	120	1250	2915	78.8	73-121	3957	1.46	20	
Bromodichloromethane	1214	120	1250	0	97.1	80-120	1181	2.79	20	
Bromoform	1199	120	1250	0	95.9	79-120	1204	0.493	20	
Bromomethane	788.9	120	1250	0	63.1	66-137	749	5.19	20	S
Carbon disulfide	2606	250	2500	0	104	68-141	2354	10.2	20	
Carbon tetrachloride	1068	120	1250	0	85.4	75-124	882.3	19	20	
Chlorobenzene	1161	120	1250	0	92.9	80-120	1131	2.59	20	
Chloroethane	1292	120	1250	0	103	76-121	1219	5.81	20	
Chloroform	1212	120	1250	0	97	80-120	1140	6.11	20	
Chloromethane	1171	120	1250	0	93.7	67-123	1086	7.58	20	
cis-1,2-Dichloroethene	1318	120	1250	78.8	99.1	78-120	1283	2.68	20	
cis-1,3-Dichloropropene	1153	120	1250	0	92.2	80-120	1138	1.34	20	
Dibromochloromethane	1206	120	1250	0	96.5	80-120	1212	0.469	20	
Ethylbenzene	1479	120	1250	184.3	104	80-120	1413	4.56	20	
Isopropylbenzene	1203	120	1250	84.11	89.5	80-141	1090	9.83	20	
m,p-Xylene	2586	250	2500	224.7	94.5	78-121	2463	4.91	20	
Methyl tert-butyl ether	1396	120	1250	125.7	102	73-121	1648	16.5	20	
Methylene chloride	1288	250	1250	0	103	65-133	1263	2	20	
n-Butylbenzene	1233	120	1250	81.66	92.1	77-120	1010	19.9	20	
n-Propylbenzene	1251	120	1250	90.41	92.8	78-120	1135	9.67	20	
Naphthalene	1400	120	1250	130.8	102	65-127	1515	7.89	20	
o-Xylene	1268	120	1250	52.89	97.2	80-120	1224	3.47	20	
sec-Butylbenzene	1209	120	1250	86.77	89.8	78-120	1008	18.1	20	
Styrene	1270	120	1250	0	102	80-120	1249	1.71	20	
Tetrachloroethene	1258	120	1250	84.07	93.9	79-120	1115	12.1	20	

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: 0612503
 Project: Artesia

QC BATCH REPORT

Batch ID: R45629	Instrument ID VOA2		Method: SW8260							
Toluene	1442	120	1250	189.8	100	80-120	1392	3.54	20	
trans-1,2-Dichloroethene	1226	120	1250	0	98	78-120	1161	5.44	20	
trans-1,3-Dichloropropene	1235	120	1250	0	98.8	80-120	1237	0.122	20	
Trichloroethene	1503	120	1250	267	98.9	80-120	1414	6.12	20	
Vinyl chloride	1277	50	1250	0	102	74-122	1065	18.1	20	
Xylenes, Total	3854	380	3750	277.6	95.4	80-120	3687	4.43	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>962.7</i>	120	<i>1250</i>	0	77	<i>70-125</i>	<i>984.3</i>	<i>2.21</i>	<i>20</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>1039</i>	120	<i>1250</i>	0	83.1	<i>72-125</i>	<i>1053</i>	<i>1.32</i>	<i>20</i>	
<i>Surr: Dibromofluoromethane</i>	<i>1087</i>	120	<i>1250</i>	0	86.9	<i>71-125</i>	<i>1062</i>	<i>2.32</i>	<i>20</i>	
<i>Surr: Toluene-d8</i>	<i>1122</i>	120	<i>1250</i>	0	89.8	<i>75-125</i>	<i>1120</i>	<i>0.143</i>	<i>20</i>	

The following samples were analyzed in this batch:

0612503-01A	0612503-02A	0612503-08A
0612503-09A		

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **R45415** Instrument ID **WetChem** Method: **E150.1**

LCS Sample ID: **WLCSW1-122906** Units: **pH units** Analysis Date: **12/29/06 0:00**

Client ID: Run ID: **WETCHEM_061229A** SeqNo: **1025644** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.06	0.10	6	0	101	90-110	0			

DUP Sample ID: **0612502-01EDUP** Units: **pH units** Analysis Date: **12/29/06 0:00**

Client ID: Run ID: **WETCHEM_061229A** SeqNo: **1025664** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.5	0.10	0	0	0	0-0	8.49	0.118	20	H

The following samples were analyzed in this batch:

0612503-01E	0612503-02D	0612503-03D
0612503-04D	0612503-05D	0612503-06D
0612503-07D	0612503-08E	0612503-09D
0612503-10D	0612503-11C	0612503-12C
0612503-13C	0612503-14C	0612503-15C
0612503-16C	0612503-17D	0612503-18C

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **R45439** Instrument ID **WetChem** Method: **E310.1**

MBLK Sample ID: **WBLKW1-122906** Units: **mg/L** Analysis Date: **12/29/06 0:00**

Client ID: Run ID: **WETCHEM_061229C** SeqNo: **1026049** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	5.0								
Alkalinity, Carbonate (As CaCO3)	ND	5.0								
Alkalinity, Hydroxide (As CaCO3)	ND	5.0								
Alkalinity, Total (As CaCO3)	ND	5.0								

LCS Sample ID: **WLCSW1-122906** Units: **mg/L** Analysis Date: **12/29/06 0:00**

Client ID: Run ID: **WETCHEM_061229C** SeqNo: **1026050** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	1054	5.0	1000	0	105	80-120	0			

DUP Sample ID: **0612501-01DDUP** Units: **mg/L** Analysis Date: **12/29/06 0:00**

Client ID: Run ID: **WETCHEM_061229C** SeqNo: **1026071** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	226.6	5.0	0	0	0	0-0	237.2	4.55	20	
Alkalinity, Carbonate (As CaCO3)	ND	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Total (As CaCO3)	226.6	5.0	0	0	0	0-0	237.2	4.55	20	

The following samples were analyzed in this batch:

0612503-01E	0612503-02D	0612503-03D
0612503-04D	0612503-05D	0612503-06D
0612503-07D	0612503-08E	0612503-09D
0612503-10D	0612503-11C	0612503-12C
0612503-13C	0612503-14C	0612503-15C

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: 0612503
 Project: Artesia

QC BATCH REPORT

Batch ID: **R45441** Instrument ID **WetChem** Method: **E310.1**

MBLK Sample ID: **WBLKW1-122906** Units: **mg/L** Analysis Date: **12/29/06 0:00**

Client ID: Run ID: **WETCHEM_061229E** SeqNo: **1026080** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	5.0								
Alkalinity, Carbonate (As CaCO3)	ND	5.0								
Alkalinity, Hydroxide (As CaCO3)	ND	5.0								
Alkalinity, Total (As CaCO3)	ND	5.0								

LCS Sample ID: **WLCSW1-122906** Units: **mg/L** Analysis Date: **12/29/06 0:00**

Client ID: Run ID: **WETCHEM_061229E** SeqNo: **1026081** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	1001	5.0	1000	0	100	80-120	0			

DUP Sample ID: **0612503-16CDUP** Units: **mg/L** Analysis Date: **12/29/06 0:00**

Client ID: **RA-3156** Run ID: **WETCHEM_061229E** SeqNo: **1026085** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	253	5.0	0	0	0	0-0	253	0	20	
Alkalinity, Carbonate (As CaCO3)	ND	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Total (As CaCO3)	253	5.0	0	0	0	0-0	253	0	20	

The following samples were analyzed in this batch:

0612503-16C 0612503-17D 0612503-18C

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **R45444** Instrument ID **Balance1** Method: **E160.1**

MBLK Sample ID: **BLANK** Units: **mg/L** Analysis Date: **12/29/06 0:00**

Client ID: Run ID: **BALANCE1_061229A** SeqNo: **1026384** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	ND	10								

LCS Sample ID: **LCS** Units: **mg/L** Analysis Date: **12/29/06 0:00**

Client ID: Run ID: **BALANCE1_061229A** SeqNo: **1026385** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	962	10	1000	0	96.2	85-115	0			

DUP Sample ID: **0612503-01EDUP** Units: **mg/L** Analysis Date: **12/29/06 0:00**

Client ID: **MW-66** Run ID: **BALANCE1_061229A** SeqNo: **1026366** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	1169	10	0	0	0	0-0	1181	1.02	20	

The following samples were analyzed in this batch:

0612503-01E	0612503-02D	0612503-03D
0612503-04D	0612503-05D	0612503-06D
0612503-07D	0612503-08E	0612503-09D
0612503-10D	0612503-11C	0612503-12C
0612503-13C	0612503-14C	0612503-15C
0612503-16C	0612503-17D	0612503-18C

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: 0612503
 Project: Artesia

QC BATCH REPORT

Batch ID: **R45506** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW4-122906** Units: **mg/L** Analysis Date: **12/29/06 21:38**

Client ID: Run ID: **IC201_061229A** SeqNo: **1027328** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	ND	0.50								
Fluoride	ND	0.10								
Sulfate	ND	1.0								
Surr: Selenate (surr)	5.262	0.10	5	0	105	85-115	0			

LCS Sample ID: **WLCWSW4-122906/** Units: **mg/L** Analysis Date: **12/29/06 22:00**

Client ID: Run ID: **IC201_061229A** SeqNo: **1027329** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.41	0.50	20	0	102	90-110	0			
Fluoride	4.132	0.10	4	0	103	90-110	0			
Sulfate	19.6	1.0	20	0	98	90-110	0			
Surr: Selenate (surr)	4.754	0.10	5	0	95.1	85-115	0			

MS Sample ID: **0612430-07DMS** Units: **mg/L** Analysis Date: **12/30/06 5:40**

Client ID: Run ID: **IC201_061229A** SeqNo: **1027389** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	127.9	0.50	10	120.7	72.3	80-120	0			SEO
Fluoride	2.947	0.10	2	0.949	99.9	80-120	0			
Sulfate	347.7	1.0	10	346.6	10.4	80-120	0			SEO
Surr: Selenate (surr)	4.659	0.10	5	0	93.2	80-120	0			

MSD Sample ID: **0612430-07DMSD** Units: **mg/L** Analysis Date: **12/30/06 6:02**

Client ID: Run ID: **IC201_061229A** SeqNo: **1027390** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	129.1	0.50	10	120.7	83.9	80-120	127.9	0.902	20	EO
Fluoride	2.95	0.10	2	0.949	100	80-120	2.947	0.102	20	
Sulfate	348.3	1.0	10	346.6	17.1	80-120	347.7	0.195	20	SEO
Surr: Selenate (surr)	4.601	0.10	5	0	92	80-120	4.659	1.25	20	

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **R45506** Instrument ID **IC201** Method: **E300**

DUP Sample ID: **0612430-07DDUP** Units: **mg/L** Analysis Date: **12/30/06 21:46**

Client ID: Run ID: **IC201_061229A** SeqNo: **1027375** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	118.6	5.0	0	0	0	0-0	118.4	0.128	20	
Fluoride	1.045	1.0	0	0	0	0-0	1.049	0.382	20	
Sulfate	343.5	10	0	0	0	0-0	342.1	0.392	20	
Surr: Selenate (surr)	45.45	1.0	50	0	90.9	80-120	45.96	1.12	20	

DUP Sample ID: **0612430-07DDUP** Units: **mg/L** Analysis Date: **12/30/06 5:19**

Client ID: Run ID: **IC201_061229A** SeqNo: **1027388** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	120.2	0.50	0	0	0	0-0	120.7	0.419	20	E
Fluoride	0.969	0.10	0	0	0	0-0	0.949	2.09	20	
Sulfate	344.6	1.0	0	0	0	0-0	346.6	0.581	20	E
Surr: Selenate (surr)	4.618	0.10	5	0	92.4	80-120	4.553	1.42	20	

The following samples were analyzed in this batch:

0612503-01E

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **R45562** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW5/123006** Units: **mg/L** Analysis Date: **12/31/06 4:44**

Client ID: Run ID: **IC201_061230A** SeqNo: **1028503** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	ND	0.10								
Surr: Selenate (surr)	5.474	0.10	5	0	109	85-115	0			

LCS Sample ID: **WLCSW5/123006** Units: **mg/L** Analysis Date: **12/31/06 5:06**

Client ID: Run ID: **IC201_061230A** SeqNo: **1028504** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	8.146	0.10	8	0	102	90-110	0			
Surr: Selenate (surr)	4.789	0.10	5	0	95.8	85-115	0			

MS Sample ID: **0612503-01CMS** Units: **mg/L** Analysis Date: **12/31/06 6:12**

Client ID: **MW-66** Run ID: **IC201_061230A** SeqNo: **1028507** Prep Date: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	18.07	0.50	20	0.932	85.7	80-120	0			
Surr: Selenate (surr)	24.17	0.50	25	0	96.7	80-120	0			

MSD Sample ID: **0612503-01CMSD** Units: **mg/L** Analysis Date: **12/31/06 6:34**

Client ID: **MW-66** Run ID: **IC201_061230A** SeqNo: **1028508** Prep Date: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	18.44	0.50	20	0.932	87.5	80-120	18.07	2.04	20	
Surr: Selenate (surr)	23.96	0.50	25	0	95.8	80-120	24.17	0.893	20	

DUP Sample ID: **0612503-01CDUP** Units: **mg/L** Analysis Date: **12/31/06 5:50**

Client ID: **MW-66** Run ID: **IC201_061230A** SeqNo: **1028506** Prep Date: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	0.924	0.50	0	0	0	0-0	0.932	0.862	20	
Surr: Selenate (surr)	24.51	0.50	25	0	98.1	80-120	24.28	0.98	20	

The following samples were analyzed in this batch:

0612503-01C	0612503-02B	0612503-03B
0612503-04B	0612503-05B	0612503-06B
0612503-07B	0612503-08C	0612503-09B
0612503-10B	0612503-11B	0612503-12B
0612503-13B	0612503-14B	0612503-15B
0612503-16B	0612503-17B	0612503-18B

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **R45564** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW1-010207** Units: **mg/L** Analysis Date: **01/03/07 16:50**

Client ID: Run ID: **IC201_070102A** SeqNo: **1028650** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	ND	0.50								
Fluoride	ND	0.10								
Sulfate	ND	1.0								
Surr: Selenate (surr)	5.592	0.10	5	0	112	85-115	0			

LCS Sample ID: **WLCSW1-010207** Units: **mg/L** Analysis Date: **01/02/07 14:54**

Client ID: Run ID: **IC201_070102A** SeqNo: **1028595** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.18	0.50	20	0	101	90-110	0			
Fluoride	4.012	0.10	4	0	100	90-110	0			
Sulfate	19.86	1.0	20	0	99.3	90-110	0			
Surr: Selenate (surr)	4.818	0.10	5	0	96.4	85-115	0			

MS Sample ID: **0701014-01AMS** Units: **mg/L** Analysis Date: **01/02/07 16:00**

Client ID: Run ID: **IC201_070102A** SeqNo: **1028609** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	43.97	0.50	10	34.87	91	80-120	0			
Fluoride	2.149	0.10	2	0.232	95.8	80-120	0			
Sulfate	18.81	1.0	10	9.306	95	80-120	0			
Surr: Selenate (surr)	4.522	0.10	5	0	90.4	80-120	0			

MSD Sample ID: **0701014-01AMSD** Units: **mg/L** Analysis Date: **01/02/07 16:22**

Client ID: Run ID: **IC201_070102A** SeqNo: **1028610** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	44.12	0.50	10	34.87	92.5	80-120	43.97	0.341	20	
Fluoride	2.165	0.10	2	0.232	96.6	80-120	2.149	0.742	20	
Sulfate	18.91	1.0	10	9.306	96	80-120	18.81	0.557	20	
Surr: Selenate (surr)	4.464	0.10	5	0	89.3	80-120	4.522	1.29	20	

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: 0612503
Project: Artesia

QC BATCH REPORT

Batch ID: **R45564** Instrument ID **IC201** Method: **E300**

DUP Sample ID: **0701014-01ADUP** Units: **mg/L** Analysis Date: **01/02/07 15:38**

Client ID: Run ID: **IC201_070102A** SeqNo: **1028608** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	35	0.50	0	0	0	0-0	34.87	0.366	20	
Fluoride	0.23	0.10	0	0	0	0-0	0.232	0.866	20	
Sulfate	9.183	1.0	0	0	0	0-0	9.306	1.33	20	
Surr: Selenate (surr)	4.612	0.10	5	0	92.2	80-120	4.621	0.195	20	

The following samples were analyzed in this batch:

0612503-02D	0612503-03D	0612503-04D
0612503-05D	0612503-06D	0612503-07D
0612503-08E	0612503-09D	0612503-10D
0612503-11C	0612503-12C	0612503-13C
0612503-14C	0612503-15C	0612503-16C
0612503-17D	0612503-18C	

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

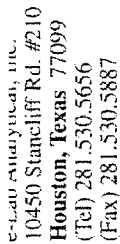
E - Value above quantitation range

Customer Information				Project Information				e-Lab Project Manager:				Parameter/Method Request for Analysis				e-Lab Work Order #:			
Purchase Order	Work Order	Company Name	Send Report To	Project Name	Project Number	Bill To Company	Invoice Attn	Artesia	VOC (8280)	TPH (8015M) GRO	Total Metals (8020/7000) RCRA 8	TPH (8015M) DRO	Anions (300) Cl, NO3, NO2, F, SO4	Alkalinity, HCO3, CO3, PH	TDS				
Artesia, NM 88211				Artesia, NM 88211				Artesia, NM 88211											
(505) 748-3311				(505) 748-3311				(505) 748-3311											
(505) 748-5421				(505) 748-5421				(505) 748-5421											
e-Mail Address				e-Mail Address				e-Mail Address											
City/State/Zip				City/State/Zip				City/State/Zip											
Phone				Phone				Phone											
Fax				Fax				Fax											
Sample Description				Date				Time				Matrix				Pres.			
1 MW-66				12-27-06				0930				H2O				1238			
2 MW-28				12-27-06				1025				H2O				1238			
3 NP-9				12-27-06				1110				H2O				1238			
4 KWB-7				12-27-06				1145				H2O				1238			
5 MW-41				12-27-06				1350				H2O				1238			
6 MW-29				12-27-06				1440				H2O				1238			
7 MW-56				12-27-06				1510				H2O				1238			
8 MW-67				12-28-06				1000				H2O				1238			
9 RW-1				12-28-06				1030				H2O				1238			
10 MW-50				12-28-06				1050				H2O				1238			
Sampler(s) Please Print & Sign				Shipment Method				Required Turnaround Time: (Check Box)				Other				Results Due Date:			
Sosa Jerry				700-X				Std 10 WK Days				Std 5 WK Days				Std 2 WK Days			
Date: 12-28-06				Time: 11:53				Received by:				Notes:				10 Day TAT.			
Relinquished by:				Date:				Time:				Received by Laboratory:				QC Package: (Check One Box Below)			
Relinquished by:				Date:				Time:				Checked by Laboratory:				Level II Std QC			
Logged by (Laboratory):				Date:				Time:				Cooler Temp.				Level III Std QC			
Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O8 6-NaHSO4 7-Other 8-4°C 9-5035												Cooler ID				Level IV SW846/CLP			

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to e-Lab Analytical, Inc.

2. Unless otherwise agreed in a formal contract, services provided by e-Lab Analytical, Inc. are expressly limited to the terms and conditions stated on the reverse.

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Customized

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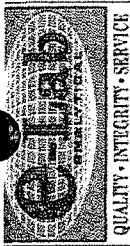
Page 2 of 3

Customer Information						Project Information							e-Lab Project Manager:		e-Lab Work Order #:		
Purchase Order		Company Name	Navajo Refining Company	Project Name	Artesia			Parameter/Method Request for Analysis								062505	
Work Order		Sand Report To	Darrell Moore	Project Number				A	VOC (8260) Select	B	GRO (8015M)	C	Total Metals (8020/7000) Select				
		Address	PO Box 159	Invoice Attn	Darrell Moore			D	DRO (8015M)	E	Alkalinity	F	HCO ₃ , CO ₃ , PH				
				Address	PO Box 159			F	Anions (300)	G	TDS	H	Nitrate				
		City/State/Zip	Artesia, NM 88211	City/State/Zip	Artesia, NM 88211			I		J							
		Phone	(505) 748-3311	Phone	(505) 748-3311												
		Fax	(505) 748-5421	Fax	(505) 748-5421												
		e-Mail Address		e-Mail Address													
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	RA-314	12-28-06	0830	H2O	1,3,8	5	X				X	X	X	X			
2	RA-3723	12-28-06	0843	H2O	1,3,8	5	X				X	X	X	X			
3	RA-4196	12-28-06	0855	H2O	1,3,8	5	X				X	X	X	X			
4	RA-4798	12-28-06	0910	H2O	1,3,8	5	X				X	X	X	X			
5	RA-3353	12-28-06	0920	H2O	1,3,8	5	X				X	X	X	X			
6	RA-3156	12-28-06	0930	H2O	1,3,8	5	X				X	X	X	X			
7	Duplicate *9	12-28-06	0930	H2O	1,3,8	5	X				X	X	X	X			
8	Duplicate *10	12-28-06	1525	H2O	1,3,8	5	X				X	X	X	X			
9	EQUIPMENT Blank	12-27-06	1525	H2O	1,8	3	X										
10	EQUIPMENT Blank	12-28-06	1103	H2O	1,8	3	X										
Sampler(s) Please Print & Sign		Shipment Method		Required Turnaround Time: (Check Box)		Other		Results Due Date:									
Sose Jerry Sanchez		FED-X		☒ Std 10 WK Days ☐ 5 WK Days ☐ 2 WK Days ☐ 24 Hour		☐											
Relinquished by:		Date:		Received by:		Date:		Notes: 10 Day TAT.									
Sose Jerry Sanchez		12-28-06		RMAK		12-28-06											
Relinquished by:		Date:		Checked by (Laboratory):		Date:											
Sose Jerry Sanchez		12-28-06		RMAK		12-28-06											
Logged by (Laboratory):		Date:		Time:		Date:		Time:									
Preservative Key:		1-HCl		2-HNO ₃		3-H ₂ SO ₄		4-NaOH		5-Na ₂ S ₂ O ₈		6-NaHSO ₄		7-Other		8-4°C	
TRRP Check List		☐ Level II Std QC		☐ Level III Std QC		☐ Level IV SW846/CLP		☐ Other									

Copyright 2004 by e-Lab Analytical, Inc.

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to e-Lab Analytical, Inc.

2. Unless otherwise agreed in a formal contract, services provided by e-Lab Analytical, Inc. are expressly limited to the terms and conditions stated on the reverse.



10450 Stancil Rd. #210
Houston, Texas 77099
(Tel) 281.530.5656
(Fax) 281.530.5887

UNIFORM CUSTOMER FORM

3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

Page 1 of 3

Customer Information				Project Information				e-Lab Project Manager: e-Lab Work Order #:											
Project Name				Artesia				Parameter/Method Request for Analysis											
Project Number								VOC (8260) Select											
Bill To Company				Navajo Refining Company				GRO (8015M)											
Invoice Attn				Darrell Moore				Total Metals (6020/7000) Select											
Address				PO Box 159				DRO (8015M)											
City/State/Zip				Artesia, NM 88211				Alkalinity											
Phone				(505) 748-3311				Anions (300)											
Fax				(505) 748-5421				TDS											
e-Mail Address								Nitrate											
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold		
1	Field Blank	12-27-06	1303	H2O	1,8	3	X												
2	Field Blank	12-28-06	1109	H2O	1,8	3	X												
3	(4) Field Traps	12-28-06																	
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Sampler(s) Please Print & Sign		Shipment Method		Required Turnaround Time: (Check Box)		Results Due Date:	
Date:	Time:	Date:	Time:	Std 10 WK Days	5 WK Days	2 WK Days	24 Hour
Received by: [Signature]		Fed-X		Other			
Relinquished by: [Signature]							
Relinquished by: [Signature]							
Logged by (Laboratory):							
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NAHSO ₄ 7-Other 8-4°C 9-5035							

QC Packages: (Check One Box Below)		Cooler Temp:		Lab Analytical Cooler ID		QC Checklist	
Level II Std QC	☒	Level III Std QC	☐	Level II Std QC	☐	Level III Std QC	☐
Level IV SW846/CLP	☐	Level IV SW846/CLP	☐	Level IV SW846/CLP	☐	Level IV SW846/CLP	☐
Other	☐	Other	☐	Other	☐	Other	☐

Notes: 10 Day TAT.

Sample Receipt Checklist

Client Name NAVAJO REFINING

Date/Time Received: 12/29/2006 8:45:00 AM

Work Order Number 0612503

Received by: RSZ

Checklist completed by

RICHARD SANCHEZ 12/29/06

Reviewed by

gn 1/2/07

Matrix:

W

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):	<u>2.0c, 2.5c, 1.8c, 2.7c</u> <u>002</u>		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐

Adjusted? _____ Checked b _____

Login Notes: One VOC vial arrived broken for RA-3156.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

ORIGIN ID: ROMA (505) 748-3311
NAVAJO REFINING
NAVAJO REFINING COMPANY
501 E. MAIN STREET

ARTESIA, NM 88210
UNITED STATES US

Ship Date: 28DEC06
ActWgt: 65.0 LB MAN
System#: 185697/CAFE2328
Account: S 113684186

ORIGIN ID: ROMA (505) 748-3311
NAVAJO REFINING
NAVAJO REFINING COMPANY
501 E. MAIN STREET

ARTESIA, NM 88210
UNITED STATES US

Ship Date: 28DEC06
ActWgt: 60.0 LB MAN
System#: 185697/CAFE2328
Account: S 113684186

TO SAMPLE RECEIVING

ELAB

10450 STANCLIFF

HOUSTON, TX 77099

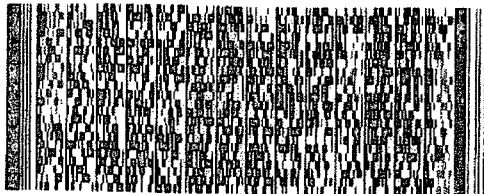
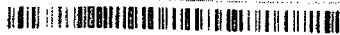
(281) 530-5656

FedEx
Expres



Ref:
INV:
PO:

Dept: ENVIRONMENTAL



Delivery Address
Barcode

BILL SENDER

TO SAMPLE RECEIVING

ELAB

10450 STANCLIFF

HOUSTON, TX 77099

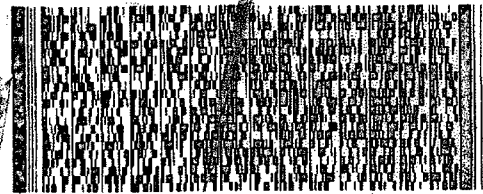
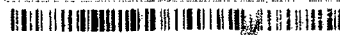
(281) 530-5656

FedEx
Expres



Ref:
INV:
PO:

Dept: ENVIRONMENTAL



Delivery Address
Barcode

BILL SENDER

PRIORITY OVERNIGHT

TRK# 9046 7990 5555 Form 0201

FRI

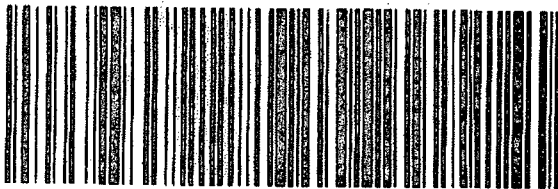
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29DEC06

IAH

A2

77099 -TX-US

XH JGQA



Part # 155148-434 NAIT 9-05

PRIORITY OVERNIGHT

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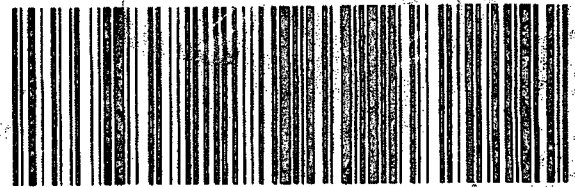
Deliver
29DEC06

IAH

A2

77099 -TX-US

XH JGQA



Part # 155148-434 NAIT 9-05

061253

 QUALITY • INTEGRITY • SERVICE	e-Lab Analytical, Inc. 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. 281.530.5656 Fax. 218.530.5887	Date: ☒ Name: _____ Compa: _____
--	---	--

 QUALITY • INTEGRITY • SERVICE	e-Lab Analytical, Inc. 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. 281.530.5656 Fax. 218.530.5887	Date: ☒ Name: _____ Compa: _____
--	---	--

CUSTODY SEAL	Seal Broken By: 
Date: 12-28-06 Time: 1153 Name: Jerry SEST	Date: 12-29-06

CUSTODY SEAL	Seal Broken By: 
Date: 12-28-06 Time: 1153 Name: Jerry SEST	Date: 12-29-06

ORIGIN ID: ROWA (505) 748-3311
NAVAJO REFINING
NAVAJO REFINING COMPANY
501 E. MAIN STREET

Ship Date: 28DEC06
ActWgt: 62.0 LB MAN
System#: 185697/CAFE2328
Account: S 113684186

ARTESIA, NM 88210
UNITED STATES US

TO SAMPLE RECEIVING

ELAB

10450 STANCLIFF

HOUSTON, TX 77099

Ref:
INV:
PO:

Dept: safety

(281) 530-5656

FedEx



ORIGIN ID: ROWA (505) 748-3311
NAVAJO REFINING
NAVAJO REFINING COMPANY
501 E. MAIN STREET

Ship Date: 28DEC06
ActWgt: 75.0 LB MAN
System#: 185697/CAFE2328
Account: S 113684186

ARTESIA, NM 88210
UNITED STATES US

TO SAMPLE RECEIVING

ELAB

10450 STANCLIFF

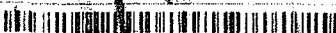
HOUSTON, TX 77099

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INV:
PO:

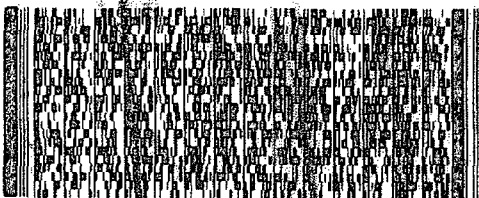
Dept: ENVIRONMENTAL

(281) 530-5656

FedEx
Express



Delivery Address
Barcode



BILL SENDER

PRIORITY OVERNIGHT

TRK# 9046 7990 5544 Form 0201

FRI

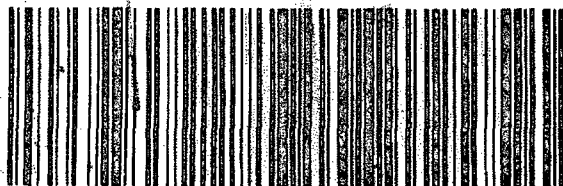
Deliver By
29DEC06

IAH

A2

77099 -TX-US

XH JGQA



PRIORITY OVERNIGHT

TRK# 9046 7990 5577 Form 0201

FRI

Deliver By
29DEC06

IAH

A2

77099 -TX-US

XH JGQA



Part # 156148-434 NRIT 9-05

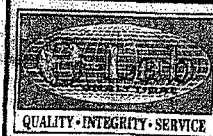
Part # 156148-434 NRIT 9-05

000003



e-Lab Analytical, Inc.

10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. 281.530.5656
Fax. 218.530.5687



e-Lab Analytical, Inc.

10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. 281.530.5656
Fax. 218.530.5687

CUSTODY SEAL

Date: 12-28-06 Time: 1153
Name: Scott Jerry
Company: SEST

Seal Broken By:

RC

Date:

12/29/06

CUSTODY SEAL

Date: 12-28-06 Time: 1153
Name: Scott Jerry
Company: SEST

Seal Broken By:

RC

Date:

12/29/06

ARCADIS

ATTACHMENT D

CHEMICAL ANALYTICAL REPORTS - 2006 RO REJECT



e-Lab Analytical, Inc.

10450 Standiff Rd, Suite 210 Houston, Texas 77099-4338 (281) 530-5656 Fax (281) 530-5887

January 29, 2007

Jeff Byrd
Navajo Refining Company
P.O. Box 159
Artesia, New Mexico 88211

Tel: (505) 746-5468
Fax: (505) 746-5421

Re: R.O. Reject Qrtly

Work Order : **0701245**

Dear Jeff Byrd,

e-Lab Analytical, Inc. received 1 sample on 1/17/2007 9:25:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by e-Lab Analytical, Inc. and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by e-Lab Analytical, Inc. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 16.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Jeffrey L Croston

Electronically approved by: Odette E. Elliston

Jeffrey L Croston
Project Manager



Certificate No: T104704231-06-TX

e-Lab Analytical, Inc.

Date: *January 29, 2007*

CLIENT: Navajo Refining Company
Project: R.O. Reject Qrtly
Work Order: 0701245

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
0701245-01	Outfall	Water		1/16/2007 16:15	1/17/2007 09:25	☐

e-Lab Analytical, Inc.

Date: *January 29, 2007*

CLIENT: Navajo Refining Company

Project: R.O. Reject Qrtly

Work Order: 0701245

Case Narrative

Batch 21668 Metals MS/MSD was an unrelated sample.

e-Lab Analytical, Inc.

Date: January 29, 2007

CLIENT: Navajo Refining Company
Work Order: 0701245
Project: R.O. Reject Qrtly
Lab ID: 0701245-01

Client Sample ID: Outfall
Collection Date: 1/16/2007 4:15:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL						
Mercury	ND		SW7470 0.000200	mg/L	Prep Date: 1/23/2007 1	Analyst: JCJ 1/24/2007 3:40:24 PM
ICP METALS, TOTAL						
Aluminum	ND		SW6020 0.0100	mg/L	Prep Date: 1/19/2007 1	Analyst: ALR 1/19/2007 6:58:00 PM
Arsenic	ND		0.00500	mg/L	1	1/19/2007 6:58:00 PM
Barium	0.0638		0.00500	mg/L	1	1/19/2007 6:58:00 PM
Beryllium	ND		0.00200	mg/L	1	1/19/2007 6:58:00 PM
Boron	0.0568		0.0200	mg/L	1	1/19/2007 6:58:00 PM
Cadmium	ND		0.00200	mg/L	1	1/19/2007 6:58:00 PM
Calcium	694		50.0	mg/L	100	1/22/2007 5:07:00 PM
Chromium	ND		0.00500	mg/L	1	1/19/2007 6:58:00 PM
Cobalt	ND		0.00500	mg/L	1	1/19/2007 6:58:00 PM
Copper	ND		0.00500	mg/L	1	1/19/2007 6:58:00 PM
Iron	ND		0.200	mg/L	1	1/19/2007 6:58:00 PM
Lead	ND		0.00500	mg/L	1	1/19/2007 6:58:00 PM
Magnesium	233		20.0	mg/L	100	1/22/2007 5:07:00 PM
Manganese	ND		0.00500	mg/L	1	1/19/2007 6:58:00 PM
Molybdenum	0.00744		0.00500	mg/L	1	1/19/2007 6:58:00 PM
Nickel	ND		0.00500	mg/L	1	1/19/2007 6:58:00 PM
Potassium	4.48		0.200	mg/L	1	1/19/2007 6:58:00 PM
Selenium	0.00950		0.00500	mg/L	1	1/19/2007 6:58:00 PM
Silver	ND		0.00500	mg/L	1	1/19/2007 6:58:00 PM
Sodium	234		20.0	mg/L	100	1/22/2007 5:07:00 PM
Vanadium	0.00991		0.00500	mg/L	1	1/19/2007 6:58:00 PM
Zinc	0.00839		0.00500	mg/L	1	1/19/2007 6:58:00 PM
ANIONS BY ION CHROMATOGRAPHY						
Chloride	515		E300 10.0	mg/L	20	Analyst: PV 1/21/2007 4:53:00 AM
Fluoride	3.98		2.00	mg/L	20	1/21/2007 4:53:00 AM
Sulfate	2,160		50.0	mg/L	50	1/21/2007 5:15:00 AM
Surr: Selenate (surr)	104		80-120	%REC	20	1/21/2007 4:53:00 AM
Surr: Selenate (surr)	101		80-120	%REC	50	1/21/2007 5:15:00 AM
ALKALINITY						
Alkalinity, Bicarbonate (As CaCO3)	669		E310.1 5.00	mg/L	1	Analyst: RPM 1/19/2007
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	1/19/2007
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	1/19/2007
Alkalinity, Total (As CaCO3)	669		5.00	mg/L	1	1/19/2007

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 Analytical, Inc.

Date: Jan 29 2007

CLIENT: Navajo Refining Company

QC BATCH REPORT

Work Order: 0701245

Project: R.O. Reject Qrtly

Batch ID: 21668 Instrument ID ICPMS02 Method: SW6020

MBLK Sample ID: MBLKW1-011907 Units: mg/L Analysis Date: 01/19/07 17:17

Client ID: Run ID: ICPMS02_070119A SeqNo: 1035886 Prep Date: 1/19/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.0050								
Barium	ND	0.0050								
Beryllium	ND	0.0020								
Boron	ND	0.020								
Cadmium	ND	0.0020								
Calcium	ND	0.50								
Chromium	ND	0.0050								
Cobalt	ND	0.0050								
Copper	ND	0.0050								
Iron	ND	0.20								
Lead	ND	0.0050								
Magnesium	ND	0.20								
Manganese	ND	0.0050								
Molybdenum	ND	0.0050								
Nickel	ND	0.0050								
Potassium	ND	0.20								
Selenium	ND	0.0050								
Silver	ND	0.0050								
Sodium	ND	0.20								
Vanadium	ND	0.0050								
Zinc	ND	0.0050								

MBLK Sample ID: MBLKW1-011907 Units: mg/L Analysis Date: 01/22/07 16:55

Client ID: Run ID: ICPMS02_070122A SeqNo: 1036887 Prep Date: 1/19/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	0.010								

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: 0701245
Project: R.O. Reject Qrtly

QC BATCH REPORT

Batch ID: 21668 Instrument ID ICPMS02 Method: SW6020

LCS Sample ID: MLCSW1-011907 Units: mg/L Analysis Date: 01/19/07 17:23

Client ID: Run ID: ICPMS02_070119A SeqNo: 1035888 Prep Date: 1/19/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04853	0.0050	0.05	0	97.1	80-120	0			
Barium	0.04821	0.0050	0.05	0	96.4	80-120	0			
Beryllium	0.04566	0.0020	0.05	0	91.3	80-120	0			
Boron	0.4682	0.020	0.5	0	93.6	80-120	0			
Cadmium	0.05016	0.0020	0.05	0	100	80-120	0			
Calcium	5.011	0.50	5	0	100	80-120	0			
Chromium	0.04732	0.0050	0.05	0	94.6	80-120	0			
Cobalt	0.05115	0.0050	0.05	0	102	80-120	0			
Copper	0.0478	0.0050	0.05	0	95.6	80-120	0			
Iron	4.81	0.20	5	0	96.2	80-120	0			
Lead	0.04849	0.0050	0.05	0	97	80-120	0			
Magnesium	4.905	0.20	5	0	98.1	80-120	0			
Manganese	0.04785	0.0050	0.05	0	95.7	80-120	0			
Molybdenum	0.04595	0.0050	0.05	0	91.9	80-120	0			
Nickel	0.04714	0.0050	0.05	0	94.3	80-120	0			
Potassium	4.97	0.20	5	0	99.4	80-120	0			
Selenium	0.04932	0.0050	0.05	0	98.6	80-120	0			
Silver	0.0461	0.0050	0.05	0	92.2	80-120	0			
Sodium	4.932	0.20	5	0	98.6	80-120	0			
Vanadium	0.04911	0.0050	0.05	0	98.2	80-119	0			
Zinc	0.05127	0.0050	0.05	0	103	80-118	0			

LCS Sample ID: MLCSW1-011907 Units: mg/L Analysis Date: 01/22/07 17:01

Client ID: Run ID: ICPMS02_070122A SeqNo: 1036888 Prep Date: 1/19/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.04698	0.010	0.05	0	94	80-120	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: 0701245
 Project: R.O. Reject Qrtly

QC BATCH REPORT

Batch ID: 21668 Instrument ID ICPMS02 Method: SW6020

MS Sample ID: 0701256-05AMS Units: mg/L Analysis Date: 01/19/07 17:46

Client ID: Run ID: ICPMS02_070119A SeqNo: 1035899 Prep Date: 1/19/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04573	0.0050	0.05	0.001052	89.4	80-120	0			
Barium	0.2536	0.0050	0.05	0.2044	98.4	80-120	0			O
Beryllium	0.04174	0.0020	0.05	-0.0001951	83.9	80-120	0			
Boron	0.4855	0.020	0.5	0.05526	86	80-120	0			
Cadmium	0.04598	0.0020	0.05	-0.000282	92.5	80-120	0			
Calcium	47.89	0.50	5	42.02	117	80-120	0			O
Chromium	0.04748	0.0050	0.05	0.0004609	94	80-120	0			
Cobalt	0.04749	0.0050	0.05	-0.00003017	95	80-120	0			
Copper	0.04315	0.0050	0.05	-0.0007136	87.7	80-120	0			
Iron	5.334	0.20	5	0.8725	89.2	80-120	0			
Lead	0.04635	0.0050	0.05	-0.0001677	93	80-120	0			
Magnesium	27.77	0.20	5	22.49	106	80-120	0			O
Manganese	0.1958	0.0050	0.05	0.1526	86.4	80-120	0			
Molybdenum	0.05043	0.0050	0.05	0.006587	87.7	80-120	0			
Nickel	0.04668	0.0050	0.05	0.0006329	92.1	80-120	0			
Potassium	6.505	0.20	5	1.815	93.8	80-120	0			
Selenium	0.04657	0.0050	0.05	0.002102	88.9	80-120	0			
Silver	0.04168	0.0050	0.05	-0.0006187	84.6	80-120	0			
Sodium	71.17	0.20	5	64.64	131	80-120	0			SO
Vanadium	0.04678	0.0050	0.05	-0.00004532	93.7	80-119	0			
Zinc	0.04797	0.0050	0.05	0.001853	92.2	80-118	0			

MS Sample ID: 0701256-05AMS Units: mg/L Analysis Date: 01/22/07 17:49

Client ID: Run ID: ICPMS02_070122A SeqNo: 1036896 Prep Date: 1/19/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.04597	0.010	0.05	0.002002	87.9	80-120	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: 0701245
Project: R.O. Reject Qrtly

QC BATCH REPORT

Batch ID: 21668 Instrument ID ICPMS02 Method: SW6020

MSD Sample ID: 0701256-05AMSD Units: mg/L Analysis Date: 01/19/07 17:52

Client ID: Run ID: ICPMS02_070119A SeqNo: 1035901 Prep Date: 1/19/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04785	0.0050	0.05	0.001052	93.6	80-120	0.04573	4.53	15	
Barium	0.2648	0.0050	0.05	0.2044	121	80-120	0.2536	4.32	15	SO
Beryllium	0.04503	0.0020	0.05	-0.0001951	90.5	80-120	0.04174	7.58	15	
Boron	0.5212	0.020	0.5	0.05526	93.2	80-120	0.4855	7.09	15	
Cadmium	0.04875	0.0020	0.05	-0.000282	98.1	80-120	0.04598	5.85	15	
Calcium	49.74	0.50	5	42.02	154	80-120	47.89	3.79	15	SO
Chromium	0.04723	0.0050	0.05	0.0004609	93.5	80-120	0.04748	0.528	15	
Cobalt	0.04983	0.0050	0.05	-0.00003017	99.7	80-120	0.04749	4.81	15	
Copper	0.04481	0.0050	0.05	-0.0007136	91	80-120	0.04315	3.77	15	
Iron	5.654	0.20	5	0.8725	95.6	80-120	5.334	5.82	15	
Lead	0.04919	0.0050	0.05	-0.0001677	98.7	80-120	0.04635	5.95	15	
Magnesium	28.87	0.20	5	22.49	128	80-120	27.77	3.88	15	SO
Manganese	0.2042	0.0050	0.05	0.1526	103	80-120	0.1958	4.2	15	
Molybdenum	0.05245	0.0050	0.05	0.006587	91.7	80-120	0.05043	3.93	15	
Nickel	0.04707	0.0050	0.05	0.0006329	92.9	80-120	0.04668	0.832	15	
Potassium	6.813	0.20	5	1.815	100	80-120	6.505	4.63	15	
Selenium	0.04872	0.0050	0.05	0.002102	93.2	80-120	0.04657	4.51	15	
Silver	0.04347	0.0050	0.05	-0.0006187	88.2	80-120	0.04168	4.2	15	
Sodium	73.22	0.20	5	64.64	172	80-120	71.17	2.84	15	SO
Vanadium	0.04884	0.0050	0.05	-0.00004532	97.8	80-119	0.04678	4.31	15	
Zinc	0.05	0.0050	0.05	0.001853	96.3	80-118	0.04797	4.14	15	

MSD Sample ID: 0701256-05AMSD Units: mg/L Analysis Date: 01/22/07 17:55

Client ID: Run ID: ICPMS02_070122A SeqNo: 1036897 Prep Date: 1/19/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.04867	0.010	0.05	0.002002	93.3	80-120	0.04597	5.71	15	

ND - Not Detected at the Reporting Limit

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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: 0701245
 Project: R.O. Reject Qrtly

QC BATCH REPORT

Batch ID: 21668 Instrument ID ICPMS02 Method: SW6020

DUP Sample ID: 0701256-05ADUP Units: mg/L Analysis Date: 01/19/07 17:35

Client ID: Run ID: ICPMS02_070119A SeqNo: 1035894 Prep Date: 1/19/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.0050	0	0	0	0-0	0.001052	0	25	
Barium	0.2216	0.0050	0	0	0	0-0	0.2044	8.08	25	
Beryllium	ND	0.0020	0	0	0	0-0	-0.0001951	0	25	
Boron	0.0568	0.020	0	0	0	0-0	0.05526	2.75	25	
Cadmium	ND	0.0020	0	0	0	0-0	-0.000282	0	25	
Calcium	45.34	0.50	0	0	0	0-0	42.02	7.6	25	
Chromium	0.0005854	0.0050	0	0	0	0-0	0.0004609	0	25	J
Cobalt	ND	0.0050	0	0	0	0-0	-0.00003017	0	25	
Copper	ND	0.0050	0	0	0	0-0	-0.0007136	0	25	
Iron	0.9364	0.20	0	0	0	0-0	0.8725	7.07	25	
Lead	ND	0.0050	0	0	0	0-0	-0.0001677	0	25	
Magnesium	24.47	0.20	0	0	0	0-0	22.49	8.43	25	
Manganese	0.1665	0.0050	0	0	0	0-0	0.1526	8.71	25	
Molybdenum	0.007087	0.0050	0	0	0	0-0	0.006587	7.31	25	
Nickel	0.0008207	0.0050	0	0	0	0-0	0.0006329	0	25	J
Potassium	1.948	0.20	0	0	0	0-0	1.815	7.07	25	
Selenium	0.001952	0.0050	0	0	0	0-0	0.002102	0	25	J
Silver	ND	0.0050	0	0	0	0-0	-0.0006187	0	25	
Sodium	69.97	0.20	0	0	0	0-0	64.64	7.92	25	
Vanadium	ND	0.0050	0	0	0	0-0	-0.00004532	0	25	
Zinc	0.001697	0.0050	0	0	0	0-0	0.001853	0	25	J

DUP Sample ID: 0701256-05ADUP Units: mg/L Analysis Date: 01/22/07 17:37

Client ID: Run ID: ICPMS02_070122A SeqNo: 1036894 Prep Date: 1/19/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	0.010	0	0	0	0-0	0.002002	0	25	

The following samples were analyzed in this batch:

0701245-01A

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

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: 0701245
 Project: R.O. Reject Qrtly

QC BATCH REPORT

Batch ID: 21709 Instrument ID Mercury Method: SW7470

MBLK Sample ID: GBLKW1-012307 Units: mg/L Analysis Date: 01/24/07 14:33

Client ID: Run ID: MERCURY_070124A SeqNo: 1038019 Prep Date: 1/23/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020								

LCS Sample ID: GLCSW1-012307 Units: mg/L Analysis Date: 01/24/07 14:35

Client ID: Run ID: MERCURY_070124A SeqNo: 1038021 Prep Date: 1/23/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00515	0.00020	0.005	0	103	85-115	0			

LCSD Sample ID: GLCSDW1-012307 Units: mg/L Analysis Date: 01/24/07 14:37

Client ID: Run ID: MERCURY_070124A SeqNo: 1038023 Prep Date: 1/23/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00486	0.00020	0.005	0	97.2	85-115	0.00515	5.79	20	

MS Sample ID: 0701281-04IMS Units: mg/L Analysis Date: 01/24/07 14:48

Client ID: Run ID: MERCURY_070124A SeqNo: 1038028 Prep Date: 1/23/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00502	0.00020	0.005	0.000032	99.8	85-115	0			

MSD Sample ID: 0701281-04IMSD Units: mg/L Analysis Date: 01/24/07 14:50

Client ID: Run ID: MERCURY_070124A SeqNo: 1038029 Prep Date: 1/23/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00497	0.00020	0.005	0.000032	98.8	85-115	0.00502	1	20	

DUP Sample ID: 0701281-04IDUP Units: mg/L Analysis Date: 01/24/07 14:46

Client ID: Run ID: MERCURY_070124A SeqNo: 1038027 Prep Date: 1/23/2007 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020	0	0	0	0-0	0.000032	0	20	

The following samples were analyzed in this batch:

0701245-01A

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

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: 0701245
 Project: R.O. Reject Qrtly

QC BATCH REPORT

Batch ID: R45985 Instrument ID WetChem Method: E310.1

MBLK Sample ID: WBLKW1-011907 Units: mg/L Analysis Date: 01/19/07 0:00

Client ID: Run ID: WETCHEM_070119E SeqNo: 1035762 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	5.0								
Alkalinity, Carbonate (As CaCO3)	ND	5.0								
Alkalinity, Hydroxide (As CaCO3)	ND	5.0								
Alkalinity, Total (As CaCO3)	ND	5.0								

LCS Sample ID: WLC SW1-011907 Units: mg/L Analysis Date: 01/19/07 0:00

Client ID: Run ID: WETCHEM_070119E SeqNo: 1035763 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	1021	5.0	1000	0	102	80-120	0			

DUP Sample ID: 0701240-14EDUP Units: mg/L Analysis Date: 01/19/07 0:00

Client ID: Run ID: WETCHEM_070119E SeqNo: 1035783 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	479.9	5.0	0	0	0	0-0	469.7	2.15	20	
Alkalinity, Carbonate (As CaCO3)	ND	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Total (As CaCO3)	479.9	5.0	0	0	0	0-0	469.7	2.15	20	

The following samples were analyzed in this batch:

0701245-01B

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: 0701245
 Project: R.O. Reject Qrtly

QC BATCH REPORT

Batch ID: R46117 Instrument ID IC201 Method: E300

MBLK Sample ID: WBLKW1-012007 Units: mg/L Analysis Date: 01/20/07 12:27

Client ID: Run ID: IC201_070120A SeqNo: 1038198 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	ND	0.50								
Fluoride	ND	0.10								
Sulfate	ND	1.0								
Surr: Selenate (surr)	5.882	0.10	5	0	118	85-115	0			S

LCS Sample ID: WLCSW1-012007/ Units: mg/L Analysis Date: 01/20/07 12:49

Client ID: Run ID: IC201_070120A SeqNo: 1038199 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.59	0.50	20	0	103	90-110	0			
Fluoride	4.303	0.10	4	0	108	90-110	0			
Sulfate	20.51	1.0	20	0	103	90-110	0			
Surr: Selenate (surr)	5.102	0.10	5	0	102	85-115	0			

MS Sample ID: 0701281-15EMS Units: mg/L Analysis Date: 01/20/07 15:23

Client ID: Run ID: IC201_070120A SeqNo: 1038204 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	33.47	0.50	10	24.52	89.5	80-120	0			
Fluoride	2.229	0.10	2	0.145	104	80-120	0			
Sulfate	172.8	1.0	10	164.3	85.5	80-120	0			EO
Surr: Selenate (surr)	4.899	0.10	5	0	98	80-120	0			

MSD Sample ID: 0701281-15EMSD Units: mg/L Analysis Date: 01/20/07 17:34

Client ID: Run ID: IC201_070120A SeqNo: 1038208 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	33.27	0.50	10	24.52	87.5	80-120	33.47	0.59	20	
Fluoride	2.23	0.10	2	0.145	104	80-120	2.229	0.0449	20	
Sulfate	172.5	1.0	10	164.3	81.9	80-120	172.8	0.206	20	EO
Surr: Selenate (surr)	4.934	0.10	5	0	98.7	80-120	4.899	0.712	20	

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: 0701245
 Project: R.O. Reject Qrtly

QC BATCH REPORT

Batch ID: R46117 Instrument ID IC201 Method: E300

DUP Sample ID: 0701281-15EDUP Units: mg/L Analysis Date: 01/20/07 15:01

Client ID: Run ID: IC201_070120A SeqNo: 1038203 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	24.16	0.50	0	0	0	0-0	24.52	1.48	20	
Fluoride	0.143	0.10	0	0	0	0-0	0.145	1.39	20	
Sulfate	164.7	1.0	0	0	0	0-0	164.3	0.262	20	E
Surr: Selenate (surr)	4.772	0.10	5	0	95.4	80-120	4.787	0.314	20	

DUP Sample ID: 0701281-15EDUP Units: mg/L Analysis Date: 01/20/07 23:25

Client ID: Run ID: IC201_070120A SeqNo: 1038221 Prep Date: DF: 5

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	23.4	2.5	0	0	0	0-0	23.11	1.21	20	
Fluoride	ND	0.50	0	0	0	0-0	0.102	0	20	
Sulfate	167.3	5.0	0	0	0	0-0	167.1	0.0957	20	
Surr: Selenate (surr)	25.24	0.50	25	0	101	80-120	25.15	0.365	20	

The following samples were analyzed in this batch:

0701245-01B

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

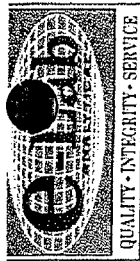
R - RPD outside accepted recovery limits

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



e-Lab Analytical, Inc.
10450 Stancil Rd. #210
Houston, Texas 77059
(Tel) 281.530.5656
(Fax) 281.530.5887

Chain of Custody Form

Page 1 of 1

e-Lab Analytical, Inc.
3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

The Chain of Custody is a Legal Document. All information must be completed accurately.

Customer Information				Project Information				e-Lab Work Order #											
Project Name				Project Number				Parameter/Method Request for Analysis											
Company Name				Bill To Company				A R.O. Reject											
Send Report To				Invoice Attn				B											
Address				Address				C											
City/State/Zip				City/State/Zip				D											
Phone				Phone				E											
Fax				Fax				F											
e-Mail Address				e-Mail Address				G											
Date				Time				H											
Sample Description				Matrix				I											
Date				Pres.				J											
# Bottles				Matrix				A											
1				1/16/07 1615				B											
2				2				C											
3				3				D											
4				4				E											
5				5				F											
6				6				G											
7				7				H											
8				8				I											
9				9				J											
10				10				Hold											
Sample(s) Please Print & Sign				Shipment Method				Required Turnaround Time: (Check Box)				Results Due Date:							
Relinquishing By: <i>[Signature]</i>				FedEx				☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour											
Receiving By: <i>[Signature]</i>				Received by Laboratory: <i>[Signature]</i>				Notes:				QC Package: (Check One Box Below)							
Date: 1/16/07				Time: 1615				e-Lab Analytical Cooler ID				☐ Level II Std QC ☐ TRRP Checklist							
Date: 1/16/07				Time: 1615				Trip Blank Number				☐ Level III Std QC/Raw Data ☐ TRRP Level IV							
Date: 1/16/07				Time: 1615				e-Lab Analytical Cooler ID				☐ Level IV SW846/CLP ☐ Other							
Logged by (Laboratory):				Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other: 8-4°C 9-5035															

Notes: 1. Any changes must be made in writing once samples and COC Form have been submitted to e-Lab Analytical, Inc.

2. Unless otherwise agreed in a formal contract, services provided by e-Lab Analytical, Inc. are expressly limited to the terms and conditions stated on the reverse.

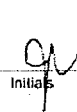
Sample Receipt Checklist

Client Name NAVAJO REFININGDate/Time Received: 1/17/2007 9:25:00 AMWork Order Number 0701245Received by: RSZ

Checklist completed by

1/17/07
Date

Reviewed by

1/18/07
Date

Matrix:

LiquidCarrier 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):	<u>1.7c</u>	<u>002</u>	
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:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

W.O. # 070245

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STANDARD OVERNIGHT

WED

Expires 207996 01/22 17JAN07

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FORM 0201

IAH

17JAN07

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XH JGQA



e-Lab Analytic S, S
10450 Stanciliff Rd., Suite 200
Houston, Texas 77099
Tel. 281.530.5656
Fax. 218.530.588

CUSTODY SEAL

1/14/07 Time: 11:15
Signature: [Signature]
any: [Signature]

Seal Broken By: [Signature]

Date:

1/10/07

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ATTACHMENT E
FIELD METHODS

FIELD METHODS

GROUNDWATER SAMPLING METHODOLOGY

Monitor Well Groundwater Samples

Sample Analyses

Monitor well samples will be submitted for laboratory analysis for VOCs, SVOCs, RCRA metals, major cations/anions (Ca, Mg, K, Na, Cl, F, sulfates) and other general water quality parameters (specific conductance, pH, TDS) using USEPA methods 8260B, 8270C, 160.1 and 6000 series, respectively.

Groundwater Levels

Prior to sampling, groundwater levels will be measured in all monitoring wells using a water level indicator. Measurement data and the date and time of each measurement will be recorded on a site monitoring data sheet. The depth to ground water will be measured to the nearest 0.01 foot. The depth to groundwater will be recorded relative to the surveyed well casing rim or other surveyed datum.

Well Purging

Each monitoring well will be purged by removing groundwater prior to sampling in order to ensure that formation water is being sampled. Purge volumes will be determined by monitoring, at a minimum, groundwater pH, specific conductance, temperature and dissolved oxygen concentrations during purging. Water samples will be obtained from the well after the measured parameters of the purge water have stabilized to within ten percent for three consecutive measurements. A minimum of one well volume will be purged from each monitoring well prior to obtaining measurements for use in determining whether the groundwater parameters have stabilized. The groundwater quality parameters will be measured using a multimeter instrument. The volume of groundwater purged, the instruments used and the readings obtained at each interval will be recorded on the field monitoring log. Well purging will be conducted in accordance with the NMED HWB Draft Position Paper "Use of Micropurging and Low-flow Sampling Techniques for Compliance Groundwater Monitoring" (October 2001).

Groundwater Sample Collection

Groundwater samples will be obtained from each well after a sufficient amount of water has been removed from the well casing to ensure that the sample is representative of formation water. Groundwater samples will be obtained using methods described in this workplan and the NMED HWB Draft Position Paper "Use of Micropurging and Low-flow Sampling Techniques for Compliance Groundwater Monitoring" within 24 hours of the completion of well purging. Sample collection methods will be documented in the field monitoring reports. The samples will be transferred to the appropriate, clean, laboratory-prepared containers provided by the analytical laboratory.

Groundwater samples intended for metals analysis will be submitted to the laboratory as total metals samples. Groundwater samples also may be obtained for dissolved metals analysis and will be filtered using 0.45 micron disposable in-line filters.

Groundwater Sample Types

Field duplicates, field blanks, equipment rinsate blanks and trip blanks will be obtained for quality assurance during ground water and surface water sampling activities.

Field duplicate groundwater samples will be obtained at a frequency of ten percent. At a minimum, one duplicate sample per sampling event will always be obtained.

Field blanks will be obtained at a minimum frequency of one per day per site or unit. Field blanks will be generated by filling sample containers in the field with deionized water and submitting the samples with the groundwater samples to the analytical laboratory for the appropriate analyses.

Equipment rinsate blanks will be obtained for chemical analysis at the rate of ten percent or a minimum of one rinsate blank per sampling day. Equipment rinsate blanks will be collected at a rate of one per sampling day if disposable sampling apparatus is used. Rinsate sample will be generated by rinsing deionized water through unused or decontaminated sampling equipment. The rinsate sample then will be placed in the appropriate sample container and submitted with the groundwater samples to the analytical laboratory for the appropriate analyses.

Trip blanks will accompany laboratory sample bottles and shipping and storage containers intended for VOC analyses. Trip blanks will consist of a sample of analyte-free deionized water prepared by the laboratory and placed in an appropriate sample container. The trip blank will be prepared by the analytical laboratory prior to the sampling event and will be kept with the shipping containers and placed with other water samples obtained from the site each day. Trip blanks will be analyzed at a frequency of one for each shipping container of samples.

Sample Handling

At a minimum, the following procedures shall be used at all times when collecting samples during investigation, corrective action and monitoring activities.

1. Neoprene, nitrile or other protective gloves shall be worn when collecting samples. New disposable gloves shall be used to collect each sample.
2. All samples collected of each media for chemical analysis shall be transferred into clean sample containers supplied by the project analytical laboratory with the exception of soil or sediment samples obtained in brass sleeves or in Encore® samplers. Upon recovery of the sample collected using split barrel samplers with brass sleeves, the brass sleeves shall be removed from the split barrel sampler and the open ends of the sleeves shall be lined with Teflon tape or foil and sealed with plastic caps. The caps shall be fastened to the sleeve with tape for storage and shipment to the analytical laboratory. The sample depth and the top of the sample shall be clearly marked. Sample container volumes and preservation methods shall be in accordance with EPA SW-846 and established industry practices for use by accredited analytical laboratories. Sufficient sample volume shall be obtained for the laboratory to complete the method-specific QC analyses on a laboratory-batch basis.

3. Sample labels and documentation shall be completed for each sample following procedures approved by the Secretary. Immediately after the samples are collected, they shall be stored in a cooler with ice or other appropriate storage method until they are delivered to the analytical laboratory. Standard chain-of-custody procedures, as described in Section C.6.b below, shall be followed for all samples collected. All samples shall be submitted to the laboratory soon enough to allow the laboratory to conduct the analyses within the method holding times. At a minimum, all samples shall be submitted to the laboratory within 48 hours after their collection.

Shipment procedures will include the following:

1. Individual sample containers shall be packed to prevent breakage and transported in a sealed cooler with ice or other suitable coolant or other EPA or industry-wide accepted method. The drainage hole at the bottom of the cooler shall be sealed and secured in case of sample container leakage. Temperature blanks shall be included with each shipping container.
2. Each cooler or other container shall be delivered directly to the analytical laboratory.
3. Glass bottles shall be separated in the shipping container by cushioning material to prevent breakage.
4. Plastic containers shall be protected from possible puncture during shipping using cushioning material.
5. The chain-of-custody form and sample request form shall be shipped inside the sealed storage container to be delivered to the laboratory.
6. Chain-of-custody seals shall be used to seal the sample shipping container in conformance with EPA protocol.
7. Signed and dated chain-of-custody seals shall be applied to each cooler prior to transport of samples from the site.

Decontamination Procedures

The objective of the decontamination procedures is to minimize the potential for cross-contamination. A designated decontamination area shall be established for decontamination of drilling equipment, reusable sampling equipment and well materials. The drilling rig shall be decontaminated prior to entering the site or unit. Drilling equipment or other exploration equipment that may come in contact with the borehole shall be decontaminated by steam cleaning, by hot-water pressure washing or by other method approved by the Secretary prior to advancing each new exploratory boring or excavation.

Sampling or measurement equipment, including but not limited to, stainless steel sampling tools, split-barrel or core samplers, well developing or purging equipment, groundwater quality measurement instruments and water level measurement instruments, shall be decontaminated in accordance with the following procedures or other methods approved by the Secretary before each sampling attempt or measurement.

1. Brush equipment with a wire or other suitable brush, if necessary or practicable, to remove large particulate matter.
2. Rinse with potable tap water.
3. Wash with nonphosphate detergent or other detergent approved by the Secretary (examples include Liquinox,TM AlconoxTM or FantastikTM) followed by a tap water rinse.
4. Rinse with 0.1 M nitric acid (to remove trace metals, if necessary) followed by a tap water rinse.
5. Rinse with methanol (to remove organic compounds, if necessary) followed by a tap water rinse.
6. Rinse with potable tap water.

7. Double rinse with deionized water

All decontamination solutions shall be collected and stored temporarily as described in Section C.5 below. Decontamination procedures and the cleaning agents used shall be documented in the daily field log.

Field Equipment Calibration Procedures

Field equipment requiring calibration shall be calibrated to known standards, in accordance with the manufacturers' recommended schedules and procedures. At a minimum, calibration checks shall be conducted daily, or at other intervals approved by the Secretary, and the instruments shall be recalibrated, if necessary. Calibration measurements shall be recorded in the daily field logs. If field equipment becomes inoperable, its use shall be discontinued until the necessary repairs are made. In the interim, a properly calibrated replacement instrument shall be used.

Boring Groundwater Samples

Groundwater samples will be collected from selected boring locations as shown in Figures 4 - 7 of the investigation workplan, as practicable. Borings from which a water sample is to be recovered will be installed five feet into the saturated zone. Prior to sampling, water levels will be measured using a water level indicator. Samples will be collected by bailing or geoprobe collection. Sample collection methodology will be dependent on the type of equipment available from the drilling contractor.

If possible, groundwater will be sampled directly from borings without the installation of a temporary well. However, experience has indicated that many holes will collapse, so if necessary to keep the borings open to sample groundwater, temporary PVC tubing may be installed. In this case, one-inch diameter, threaded, flush joint tubing and screen will be placed in the well to total depth. A 16/40 or 20/40 sand pack or other appropriate filter material will be placed in the annular space to above the screen, and a shallow (1-2 foot) bentonite seal placed on top of the sand pack. The screened interval will extend from the total depth of the boring to above the saturated zone, although experience has shown that groundwater is partially confined and may rise in the tubing to an elevation several feet above the indicated saturated zone. The screen will have a 0.010 slot size to prevent sand from entering the tubing while sampling. Upon completion of sampling activities, the temporary tubing will be pulled and discarded, and the boring grouted back to the surface.

The well will be allowed to equilibrate, typically by waiting several hours or overnight before attempting to sample the groundwater. Groundwater or product samples will be collected using a disposable bailer, Geoprobe Screen Point Sampler, or a pump using low-flow sampling techniques. Prior to sampling, water levels will be measured. Purging and sampling methodology will be as described in the section below for monitor wells.

Groundwater samples from selected borings will be analyzed as noted in the workplan.

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ATTACHMENT F
CHEMICAL ANALYTICAL PROGRAM

CHEMICAL ANALYTICAL PROGRAM

CHEMICAL ANALYSES

The Permittee shall use the most recent standard EPA and industry-accepted analytical methods for chemical analyses for target analytes as the testing methods for each media sampled. Chemical analyses shall be performed in accordance with the most recent EPA standard analytical methodologies and extraction methods.

Based upon the analysis requirements in Appendix A of the Navajo RCRA Post-Closure Permit, and discussions with NMED, the following analyses were approved by NMED.

Monitor Well Groundwater:

- VOC – Method 8260B
- SVOC – Method 8270
- RCRA metals – Method 6010/Method 7471
- Other Metals – Method 6010 (Sb, Be, Cd, Fe, Mn, Ni, V, Zn)
- Cyanide – Method 335.2
- Major Cations – Method 6010 (Ca, Mg, K, Na)
- Major Anions – Method 325.2(Cl); Method 300.0 (F); Method 375.4 (sulfates); Method 353.2 (nitrates/nitrites)
- TDS – Method 160.1

Analytes and laboratory reporting limits for the following methods are included with the chemical analytical reports in Attachment B through F:

- SW 8260 Water (VOA)
- Method 8270 Water (SVOC)
- SW 8125B (TPH- DRO)
- SW 6010 Water (RCRA Metals)
- SW 6010 Water (Other Metals)
- SW 7471 Water (Mercury)
- SW8310 Water (PAH)

In addition to the analytes listed, the following analytes were added:

- Method 8260 – 1,4-dioxane
- Method 8270 – 7,2-dimethylbenz(a)anthracene and pyridine

LABORATORY QA/QC REQUIREMENTS

(excerpted from permit attachment D)

The following requirements for laboratory QA/QC procedures shall be considered the minimum QA/QC standards for the laboratories employed by the Facility that provide analytical services for environmental investigation, corrective action and monitoring activities conducted at the Facility.

Quality Assurance Procedures

Analytical laboratories shall maintain internal quality assurance programs in accordance with EPA and industry-wide accepted practices and procedures. At a minimum, the laboratories shall use a combination of standards, blanks, surrogates, duplicates, matrix spike/matrix spike duplicate (MS/MSD), blank spike/blank spike duplicate (BS/BSD) and laboratory control samples to demonstrate analytical QA/QC. The laboratories shall establish control limits for individual chemicals or groups of chemicals based on the long-term performance of the test methods. In addition, the laboratories shall establish internal QA/QC that meets EPA's laboratory certification requirements. The specific procedures to be completed are identified in the following subsections.

Equipment Calibration Procedures and Frequency

The laboratories' equipment calibration procedures, calibration frequency and calibration standards shall be in accordance with the EPA test methodology requirements and documented in laboratories' quality assurance and SOP manuals. All instruments and equipment used by the laboratory shall be operated, calibrated and maintained according to manufacturers' guidelines and recommendations. Operation, calibration and maintenance shall be performed by personnel who have been properly trained in these procedures. A routine schedule and record of instrument calibration and maintenance shall be kept on file at the laboratory.

Laboratory QA/QC Samples

Analytical procedures shall be evaluated by analyzing reagent or method blanks, surrogates, matrix spike/matrix spike duplicates (MS/MSDs), blank spike/blank spike duplicates (BS/BSDs) and/or laboratory duplicates, as appropriate for each method. The laboratory QA/QC samples and frequency of analysis to be completed shall be documented in the cited EPA test methodologies. At a minimum, the laboratory shall analyze laboratory blanks, MS/MSDs, BS/BSDs and laboratory duplicates at a frequency of one in twenty for all batch runs requiring EPA test methods and a frequency of one in ten for non-EPA test methods.

Laboratory Deliverables

The analytical data package shall be prepared in accordance with EPA-established Level II analytical support protocol. The following shall be provided in the laboratory reports submitted either electronically or in hard (paper) copy for this project.

1. Transmittal letter, including information about the receipt of samples, the testing methodology performed, any deviations from the required procedures, any problems encountered in the analysis of the samples, any data quality exceptions, and any corrective actions taken by the laboratory relative to the quality of the data contained in the report.
2. Sample analytical results, including sampling date, date of sample extraction or preparation, date of sample analysis, dilution factors and test method identification; soil sample results in consistent units (milligrams per kilogram or micrograms per kilogram) in dry-weight basis, water sample results in consistent units (milligrams per liter or micrograms per liter), vapor sample results in consistent units (parts per million or ppmv) and detection limits for undetected analytes. Results shall be reported for all field samples, including field duplicates and blanks, submitted for analysis.
3. Method blank results, including reporting limits for undetected analytes.
4. Surrogate recovery results and corresponding control limits for samples and method blanks (organic analyses only).
5. MS/MSD and/or BS/BSD spike concentrations, percent recoveries, relative percent differences (RPDs) and corresponding control limits.
6. Laboratory duplicate results for inorganic analyses, including relative percent differences and corresponding control limits.
7. Sample chain-of-custody documentation.
8. Holding times and conditions.
9. Conformance with required analytical protocol(s).
10. Blanks.
11. Detection/quantitation limits.
12. Recoveries of surrogates and/or matrix spikes (MS/MSDs).
13. Data report formats.
14. The following data deliverables for organic compounds shall be requested of the laboratory:
 - A cover letter referencing the procedure used and discussing any analytical problems, deviations and modifications; including signature from authority representative certifying to the quality and authenticity of data as reported,
 - Report of sample collection, extraction and analysis dates, including sample holding conditions,
 - Tabulated results for samples in units as specified; including data qualification in conformance with EPA protocol, including definition of data descriptor codes,
 - Analyte concentrations with reporting units identified, including data qualification (include definition of data descriptor codes),
 - Quantification of analytes in all blank analyses, as well as identification of method blank associated with each sample,
 - Recovery assessments and a replicate sample summary and all MS/MSD results (recoveries and spike amounts)]
15. The following data deliverables for inorganic compounds shall be requested of the laboratory:

- A cover letter referencing the procedure used and discussing any analytical problems, deviations and modifications; including signature from authority representative certifying to the quality and authenticity of data as reported,
- Report of sample collection, digestion and analysis dates, with sample holding conditions,
- Tabulated results for samples in units as specified; including definition of data descriptor codes,
- Results of all method QA/QC checks,
- Quantification of analytes in all blank analyses, as well as identification of method blanks associated with each sample,
- Recovery assessments and a replicate sample summary

The Permittee shall present summary tables of these data in the formats described in Appendix E of the Permit. The raw analytical data, including calibration curves, instrument calibration data, data calculation work sheets, and other laboratory support data for samples from this project, shall be compiled and kept on file at the Laboratory for reference. The Permittee shall make the data available to the Secretary upon request.

REVIEW OF FIELD AND LABORATORY QA/QC DATA

The sample data, field and laboratory QA/QC results shall be evaluated for acceptability with respect to the data quality objectives (DQOs). Each group of samples shall be compared with the DQOs and evaluated using data validation guidelines contained in the following EPA guidance documents: *Guidance Document for the Assessment of RCRA Environmental Data Quality*, *National Functional Guidelines for Organic Data Review*, and *Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses*.

The laboratory shall notify the Permittee's project manager of data quality exceptions within 24 hours in order to allow for sample re-analysis, if possible. The Permittee's project manager shall contact the HWB within 24 hours of receipt of laboratory notification of data quality exceptions in order to discuss the implications and determine whether the data will still be considered acceptable or if sample re-analysis or re-sampling is necessary.

BLANKS, FIELD DUPLICATES, REPORTING LIMITS AND HOLDING TIMES

Blanks

The analytical results of field blanks and field rinsate blanks shall be reviewed to evaluate the adequacy of the field handling and equipment decontamination procedures and the possibility of cross-contamination caused by decontamination of sampling equipment. The analytical results of trip blanks shall be reviewed to evaluate the possibility for contamination resulting from the laboratory-prepared sample containers or the sample transport containers. The analytical results of laboratory blanks shall be reviewed to evaluate the possibility of contamination caused by the analytical procedures. If

contaminants are detected in field or laboratory blanks, the sample data shall be qualified, as appropriate.

Field Duplicates

Field duplicates shall consist of two samples either split from the same sample device or collected sequentially. Field duplicate samples shall be collected at a minimum frequency of ten percent of the total number of samples submitted for analysis.

Method Reporting Limits

Method reporting limits for sample analyses for each media shall be established at the lowest level practicable for the method and analyte concentrations and shall not exceed soil, groundwater or vapor emissions background levels, cleanup standards and screening levels. Detection limits that exceed established soil, groundwater or air emissions cleanup standards, screening levels or background levels and are reported as "not detected" shall be considered data quality exceptions and an explanation for the exceedance and its acceptability for use shall be provided.

Holding Times

The sampling, extraction and analysis dates shall be reviewed to confirm that extraction and analyses were completed within the recommended holding times as specified by EPA protocol. Appropriate data qualifiers shall be noted if holding times are exceeded.

REPRESENTATIVENESS AND COMPARABILITY

Representativeness

Representativeness is a qualitative parameter related to the degree to which the sample data represent the specific characteristics of concern. Procedures shall be implemented to assure representative samples, such as repeated measurements of the same parameter at the same location over several distinct sampling events. Any procedures or variations that may affect the collection or analysis of representative samples shall be noted and the data qualified, as appropriate. Duplicate samples were used as an indicator of representativeness in this investigation.

Comparability

Comparability is a qualitative parameter related to whether similar sample data can be compared. To assure comparability, analytical results shall be reported in appropriate units for comparison with other data (past studies, comparable sites, screening levels and cleanup standards), and standard collection and analytical procedures shall be implemented. Any procedure or variation that may affect comparability shall be noted, and the data shall be qualified, as appropriate.

LABORATORY REPORTING, DOCUMENTATION, DATA REDUCTION AND
CORRECTIVE ACTION

Upon receipt of each laboratory data package, data shall be evaluated against the criteria outlined in the previous sections. Any deviation from the established criteria shall be noted, and the data will be qualified, as appropriate. A full review and discussion of analytical data QA/QC and all data qualifiers shall be submitted as appendices or attachments to reports prepared in accordance with Appendix E of this Permit. Data validation procedures for all samples shall include checking the following, when appropriate:

1. Holding times,
2. Detection limits,
3. Field equipment rinseate blanks,
4. Field blanks,
5. Field Duplicates,
6. Trip blanks,
7. Reagent blanks,
8. Laboratory duplicates,
9. Laboratory blanks,
10. Laboratory matrix spikes,
11. Laboratory matrix spike duplicates,
12. Laboratory blank spikes,
13. Laboratory blank spike duplicates, and
14. Surrogate recoveries.

Laboratory Case Narratives reflecting the above information shall be supplied by the lab.

If significant quality assurance problems are encountered, corrective action shall be implemented as appropriate. All corrective action shall be defensible, and the corrected data shall be qualified.