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MONITORING REPORTS

DATE:

2006 Annual GW Report (1/5)

ARCADIS
Infrastructure, environment, facilities

VOLUME 1

2006 ANNUAL GROUNDWATER REPORT

for

NAVAJO REFINING COMPANY
RCRA PERMIT NO. NMD048918817
HWB-NRC-06-001
ARTESIA, NEW MEXICO

Prepared for:

NEW MEXICO ENERGY, MINERAL and NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
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April 2007

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EXECUTIVE SUMMARY

The Secretary of the New Mexico Environment Department (NMED) issued a Post-Closure Care Permit (Permit) to the Navajo Refining Company (Navajo), owner and operator of the Artesia Refinery Facility, U.S. Environmental Protection Agency (EPA) ID number NMD048918817 effective October 5, 2003. The Permit authorizes and requires Navajo (the Permittee) to conduct post-closure care at closed surface impoundments (i.e. the Evaporation Ponds) and a closed land treatment unit at the Artesia Refinery. The Permit establishes the general and specific standards for these activities, including a schedule to complete the Remedial Investigations at the surface impoundments and other identified solid waste management units (SWMUs) and areas of concern (AOCs), pursuant to the New Mexico Hazardous Waste Act (HWA), NMSA 1978, 74-4-1 *et. seq.* (Repl. Pamp. 1993) and the New Mexico Hazardous Waste Management Regulations, 20.4.1.100 New Mexico Administrative Code (NMAC) *et seq.*

The Permittee shall maintain a groundwater monitoring program to demonstrate the effectiveness of the corrective action program for groundwater and that meets the requirements of 20.4.1.500 NMAC (incorporating 40 Code of Federal Regulations (CFR) Part 264, Subpart F) during the post-closure care period. The Permittee shall recover phase-separated hydrocarbons, where present, beneath the NCL and both upgradient and downgradient from the subject site.

This 2006 Annual Groundwater Report follows the format established in Appendix E of the Permit and follows the Periodic Monitoring Report format specified in Appendix E.4 of the permit.

The *Groundwater Monitoring Work Plan* approved in March 2007 has revised the sampling schedule to semi-annual groundwater monitoring beginning with 2006. These semi-annual events were conducted in September/October and December 2006 for the wells summarized in Table 1 of the work plan including select NCL/TEL wells, evaporation ponds monitoring wells and irrigation wells.

The amount of free-phase product on the groundwater is being effectively reduced. The recovery trench product production in the plant has been drastically reduced. Two recovery trenches on Bolton Road (RW-13 and RW-14) continue to catch and remove a thin hydrocarbon plume. Free-phase hydrocarbon has been periodically detected in monitoring well KWB-8 downgradient from the Bolton Road recovery. However the occurance has been sporadic, when this does occur; the free-phase product is removed. No other wells down gradient of Bolten Road have indicated presence of phase-separated hydrocarbons. The dissolved phase plume appears to be mostly stable or diminishing. As a result of the reduced free-phase hydrocarbons and effective spill abatement, the volatile organics have been reduced as well.

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LIST OF ACRONYMNS

Alky	Alkylation Unit
AOC	Area of Concern
API	American Petroleum Institute
CFR	Code of Federal Regulations
COC	Chemical of Concern
DO	Dissolved Oxygen
EPA	U.S. Environmental Protection Agency
FCC	Fluid Catalytic Cracking Unit
HWA	Hazardous Waste Act
HWB	Hazardous Waste Bureau
NCL	North Colony Landfarm
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
ORP	Oxidation-Reduction Potential
RCRA	Resource Conservation and Recovery Act
RO	Reverse Osmosis
SVOCs	Semivolatile Organic Compounds
SWMU	Solid Waste Management Unit
TAC	Texas Administrative Code
TDS	Total Dissolved Solids
TEL	Tetra Ethyl Lead Impoundment
TMD	Three-Mile Ditch
VOCs	Volatile Organic Compounds
WQCC	Water Quality Control Commission

1.0 INTRODUCTION

The Secretary of the New Mexico Environment Department (NMED) issued a Post-Closure Care Permit (Permit) to the Navajo Refining Company (Navajo), owner and operator of the Artesia Refinery Facility, U.S. Environmental Protection Agency (EPA) ID number NMD048918817 effective October 5, 2003. The Permit authorizes and requires Navajo (the Permittee) to conduct post-closure care at closed surface impoundments (i.e. the Evaporation Ponds) and a closed land treatment unit at the Artesia Refinery. The Permit establishes the general and specific standards for these activities, including a schedule to complete the Remedial Investigations at the surface impoundments and other identified solid waste management units (SWMUs) and areas of concern (AOCs), pursuant to the New Mexico Hazardous Waste Act (HWA), NMSA 1978, 74-4-1 *et. seq.* (Repl. Pamp. 1993) and the New Mexico Hazardous Waste Management Regulations, 20.4.1.100 New Mexico Administrative Code (NMAC) *et seq.*

1.1 SCOPE OF SERVICES

The activities performed during the annual 2006 monitoring reporting period includes field data collection, chemical testing and remedation system monitoring. The scope of the services is summarized as follows:

- Groundwater samples were obtained by low-flow sampling and analyzed for VOCs, SVOCs, 8 Resource Conservation and Recovery Act (RCRA) metals and major cations/anions (Calcium, Manganese, Potassium, Sodium, Chloride, Flouride, sulfates), cyanide and other general water quality parameters (specific conductance, pH, total dissolved solids (TDS) using EPA methods 8260B, 6010/7471 and 325.2, respectively.

Groundwater samples were collected from each well not containing phase-separated hydrocarbons and analyzed for VOCs, RCRA metals, diesel-range organics (DRO) and TDS. The wells to the north and east of the separator to be analyzed for RCRA metals, but all samples were analyzed. If the DRO was greater than 5mg/l, the sample was analyzed for SVOCs.

1.2 REGULATORY CRITERIA

Based upon the analysis requirements in Appendix A of the 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
- Cyanide – Method 335.2
- Major Cations– Method 6010 (Ca, Mg, K, Na)

- Major Anions – Method 325.2(Cl); Method 300.0 (Fl); Method 375.4 (sulfates); Method 353.2 (nitrates/nitrites)
- TDS – Method 160.1

Additional information regarding analytes, methods and detection limits can be found in Appendix D. Specific analytical results are presented in Tables 2-1 through 7-1. Only compounds that were detected are presented in the Tables. Complete analytical results are provided in Appendices B and C.

2.0 REMEDIATION SYSTEM MONITORING - RECOVERY TRENCHES

For 2006, Navajo pumped approximately 9,099,360 gallons of water out of the recovery trenches and 4,317 gallons of product. The amount removed from each well is detailed in TABLE 2-1. Recovery trenches RW-1 through RW-18 are included in this table. RW-1, RW-2, RW-7, RW-8, RW-11, RW-12 AND RW-15 have pumps but are only operated when product is present. RW-4, RW-5, RW-6, RW-13 and RW-14 are continuously pumped. RW-3, RW-9, RW-10, RW-16, RW-17 and RW-18 do not have pumps. The wells are checked on a weekly basis for product. The recovery trenches RW-1 and RW-18 were sampled in September/October and December 2006 and the results of this sampling are provided in Section 3.0. The workplan approved in March 2007 has been revised to include only RW-1 and RW-18 annual sampling for upcoming events, since there are monitoring wells located in the vicinity of the other recovery trenches. Navajo has a dedicated technician that operates these wells. All gauging and pumping information is compiled on weekly reports. These reports are then used to create Quarterly Reports, which are provided in ATTACHMENT A.

All water that is pumped out of these wells is sent to the waste water plant to be treated with other refinery waters. Product from recovery trenches RW-13 and RW-14 is taken to the API oil/water separator and is eventually introduced back into the refinery for reprocessing. Product from RW's 4 thru 6 is taken directly to Navajo's crude tanks. In 2006, the amount of product recovered fell for the fifth year in a row. Also, due to the relatively thin layer of product on the surface of most of the wells, a portion of the product volume recovered is water. In some cases this has been determined to be almost 90% via a "bucket test". This is attributed to the fact that there is just not as much product left to be recovered and Navajo is pumping more water to get that product. Most of the recovery trenches (RW-1, RW-2, RW-3, RW-5, RW-7, RW-8, RW-9, RW-10, RW-11, RW-12, RW-15, RW-16, RW-17 and RW-18) were shut down for most of 2005 and 2006 because there was not any product in them to recover, but rather turned on intermittently when product is present. Recovery trenches RW-16, RW-17, and RW-18 have never had any product in them. RW-4, RW-6, RW-13 and RW-14 are run continuously except for maintenance or end of line sampling to ensure no potential product plume gets past trenches. Recovery trenches RW-11 and RW-12 rarely have any fluids in them. Additional recovery wells RW-11-1 through RW-11-9 were installed directly down gradient of RW-11 parallel to the recovery trench. Five of these wells have exhibited the presence of phase-separated hydrocarbons. Monitoring well (MW-57) in 2004 was also drilled directly downgradient of RW-11 to ensure that a product plume is not migrating under the trench. This well had a concentration of 9,700 µg/L benzene in 2005. No product has developed in MW-57 since that time. Trenches are checked once a week. If product is found, the pumps are turned on. The water pumps also create a cone of depression to help any product migrate to the recovery trenches. In addition to the trenches, monitoring wells which have had a history of free-phase products (i.e. KWB-4, KWB-5, KWB-6, and KWB-8) are checked for the presence of hydrocarbons. If any are found in these wells, the product is removed via an electric pump, or hand bailer. Some of these wells also have a passive bailer placed into them to help remove a sheen layer which may arise.

TABLE 2-1
RECOVERY TRENCH PRODUCTION

	Volume of Hydrocarbons Recovered (gallons)					Volume of Water Recovered (gallons)				
	1st Qrtr	2nd Qrtr	3rd Qrtr	4th Qrtr	Total 2006	1st Qrtr	2nd Qrtr	3rd Qrtr	4th Qrtr	Total 2006
RW-1	0	0	0	0	0	0	0	0	40,800	40,800
RW-2	0	0	0	0	0	0	0	0	54,000	54,000
RW-3	0	0	0	0	0	0	0	0	0	0
RW-4*	0	0	0	0	0	4,800	0	0	308,400	313,200
RW-5*	0	0	0	0	0	0	0	0	0	0
RW-6*	3,390	0	0	0	3,390	735,264	0	7,204,896	0	7,940,160
RW-7	0	0	0	0	0	0	0	0	0	0
RW-8	0	0	0	0	0	2,400	0	0	182,400	184,800
RW-9	0	0	0	0	0	0	0	1,200	0	1,200
RW-10	0	0	0	0	0	0	0	0	0	0
RW-11	0	0	0	0	0	0	0	0	1,200	1,200
RW-12	0	0	0	0	0	0	0	0	0	0
RW-13	485	0	0	0	485	157,200	76,800	3,600	76,800	314,400
RW-14	431	0	0	0	431	0	1,200	0	204,000	205,200
RW-15[1]	11	0	0	0	11	44,400	0	0	0	44,400
RW-16	0	0	0	0	0	0	0	0	0	0
RW-17	0	0	0	0	0	0	0	0	0	0
RW-18	0	0	0	0	0	0	0	0	0	0
Chase[2]	0	0	0	0	0	0	0	0	0	0
TOTAL	4,317	0	0	0	**4,317**	944,064	78,000	7,209,696	867,600	**9,099,360**

[1] Formerly noted as "Toolpushers"

[2] Dewatering sump located at Chase's pecan farm east of Bolton Road operated as needed.

Qrtr = Quarter

* Single pump well, total fluids pumped to tank for oil/water separation.

3.0 MONITORING RESULTS AND CHEMICAL ANALYTICAL DATA – SEMI-ANNUAL AND ANNUAL

TABLE 3-1 shows the constituents which had levels above the WQCC standards in wells sampled during the semi-annual and annual sampling events. Offsite wells sampled include KWB-1A, KWB-1C, KWB-2R, KWB-3R, KWB-5, KWB-6, KWB-7, KWB-8, KWB-9, KWB-10, KWB-11A, KWB-12A, KWB-13, KWB-P2, MW-1R, MW-2A, MW-3, MW-4A, MW-5A, MW-6A, MW-7A, MW-8, MW-10, MW-11A, MW-15, MW-16, MW-18A, MW-20, MW-21, MW-22A, MW-25, MW-26, MW-27, MW-52, MW-58, MW-68, and KWB-70, piezometers NP-1, NP-2, NP-3, NP-4, NP-5, NP-6, NP-7 and NP-9 and recovery trenches RW-1 and RW-18. The wells had concentrations of four metals above the WQCC standard. We have been analyzing the wells for these constituents since the issue of Discharge Permit GW-028 dated April 17, 2003. The laboratory analytical data sheets are provided in ATTACHMENTS B and C.

Monitor well MW-23 located east of recovery trench RW-2 on the south side of Eagle Draw next to Freeman Street, as seen in FIGURE 3-1 or FIGURE 3-2, had the highest concentration of benzene at 16,000 ppb. A benzene concentration isopleth is provided on FIGURE 3-3. The RW-2 well historically had a separated product plume that had been aggressively removed. We continue to monitor this well weekly and if a product layer develops, we will begin pumping to capture and remove the product. KWB-5 had the second highest concentration of benzene at 11,000 ppb.

Monitoring well MW-57, which had the highest benzene concentration for reporting year 2004, had a concentration of 9,700 µg/L in April 2005. This well is located south of Highway 82 southeast of the Refinery. This is probably due to a slug of free-phase product which was noted in KWB-2R during 2002. The product was removed from KWB-2R while it was observed in the well, no free-phase product ever developed in MW-57. This well will be monitored regularly to ensure that product does not go undetected. If product was to develop in MW-57, steps will be taken to remove it. Under the revised work plan MW-57 was not sampled in 2006.

A graph depicting benzene, ethyl benzene, and xylene concentrations for KWB-2R is shown in FIGURE 3-4. These constituent levels increased substantially in 2002 and then began to decrease to a level similar to 2001 concentrations. This dramatic increase in concentration coincided with the development of free phase products. The linear extrapolation of this data indicates that the concentration is slowly increasing over time. A graph of the benzene concentration in MW-28 is provided in FIGURE 3-5. The benzene concentration appears to be increasing over time in MW-28 also. This most likely occurs because of the dissolved phase plume which is migrating downgradient from the recovery trenches RW-5 and RW-6.

The recovery trenches RW-1 and RW-18 were sampled and analyzed during the September/October and December 2006 sampling events. Recovery trench RW-1 (located on the south side of Eagle Draw next to Freeman Street)

contained elevated levels of BTEX, with a benzene concentration of 840 and 2,900 ppb, respectively. None of these were indicative of free-phase product existing. Recovery trench RW-18 located west of Bolton Road on the south side of Eagle Draw had no detected levels of BTEX.

We also continue to see the leading edge of the dissolved phase plume reaching KWB-7 and KWB-11. These monitor wells are both east of Bolton Road which is downgradient as seen in FIGURE 3-1 (*Annual Groundwater Gradient Map).* As agreed upon by NMED at the time, we sited the recovery trenches on Bolton Road knowing that part of the plume was past this point. In the past, we have had samples that had low levels of chemical of concern (COC). It is believed that as a result of the excessive rain throughout the year that neither of these wells had detectable COCs.

Monitor wells KWB-4 and KWB-6 through the last sampling event in 2005 have not contained measurable amounts of hydrocarbons. We have installed passive bailers into each of these wells to remove the product as needed. We also pump these wells when necessary to keep up with the product. We began this in 2002 and seem to have effectively removed the product. Initially, the bailers were being emptied daily. Now, the bailers are emptied every two to three months and the hydrocarbon layer has been reduced to a sheen or less.

The three new trenches (16, 17, and 18) that were installed at the same time as 15 (Tool Pushers), have never accumulated any product. These trenches are located as follows: 1) on the northeast corner of the refinery property on our farm (RW-18), 2) along Eagle Draw just east of the North Colony Landfarm (RW-16), and 3) just west of the abandoned POTW trickling filter (RW-17). The latter two were installed as part of the North Colony Landfarm clean-up. These trenches are checked weekly for any accumulation of product. At the close of 2006, no product has been measured in these trenches. If product is found, they will be pumped, and if warranted, hard piped into our recovery system.

The recovery of product and remediation of groundwater under the refinery is progressing favorably. The drop in thickness of product around the North Colony Landfarm and Tetra-Ethyl Lead Impoundment and the reduction of product found in monitoring wells, are a testament to the recovery system's effectiveness. For the majority of wells and trenches, no product was present for recovery through 2006.

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TABLE 3-1
ANNUAL AND SEMI-ANNUAL ANALYSIS RESULTS

	Date	METALS (mg/L)				VOLATILES (µg/L)					SEMIVOLATILES (µg/L)	ANIONS (mg/L)	
		Boron	Iron	Lead	Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	Tetrachloroethene	Naphthalene	Chloride	Sulfate
		GWStd	GWStd	WQCC	GWStd	WQCC	WQCC	WQCC	WQCC	WQCC	WQCC	GWStd	GWStd
		0.75	1	0.05	0.2	10	750	750	620	20	30	250	600
KWB-1A	3/14/2000	BDL	BDL	BDL	BDL	BDL	BDL	3.74	BDL			BDL	BDL
	9/19/2000	BDL	BDL	BDL	BDL	BDL	BDL	3.74	BDL			BDL	BDL
	4/10/2001	BDL	BDL	BDL	BDL	2.71	BDL	3.15	BDL			BDL	BDL
	7/19/2001	BDL	BDL	BDL	BDL	**22.8**	BDL	7.60	BDL			BDL	BDL
	4/22/2003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	9/30/2003	**0.950**	0.900	BDL	**0.256**	BDL	BDL	BDL	BDL			233	**2,160**
	10/15/2004	**0.931**	**2.08**	BDL	**0.261**	BDL	BDL	BDL	BDL			**395**	**2,480**
	4/7/2005	**0.787**	**1.37**	<0.005	**0.222**	<5	<5	<5	<15	<5	<10	229	**2,250**
	10/17/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	190	**2,090**
KWB-1C	9/19/2000	BDL	BDL	BDL	BDL	BDL	BDL	3.43	BDL			BDL	BDL
	4/10/2001	BDL	BDL	BDL	BDL	1.73	BDL	2.30	BDL			BDL	BDL
	7/19/2001	BDL	BDL	BDL	BDL	3.16	BDL	1.01	BDL			BDL	BDL
	10/10/2001	BDL	BDL	BDL	BDL	1.03	BDL	BDL	BDL			BDL	BDL
	4/22/2003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	9/30/2003	**0.781**	**2.03**	BDL	**0.357**	BDL	BDL	BDL	BDL			**272**	**2,210**
	10/15/2004	**0.884**	**1.97**	BDL	**0.330**	BDL	BDL	BDL	BDL			**321**	**2,360**
	4/7/2005	**0.766**	**1.77**	<0.005	**0.325**	<5	<5	<5	<15	<5	<10	236	**2,120**
	10/17/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	200	**2,230**
	12/11/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	191	**2,120**
KWB-2R	9/19/2000	BDL	BDL	BDL	BDL	**932**	BDL	**1,129**	348			BDL	BDL
	4/10/2001	BDL	BDL	BDL	BDL	**1,341**	BDL	**888**	61.1			BDL	BDL
	7/19/2001	BDL	BDL	BDL	BDL	**2,464**	BDL	668	67.3			BDL	BDL
	10/10/2001	BDL	BDL	BDL	BDL	**1,750**	BDL	**1,410**	**754**			BDL	BDL
	1/10/2002	BDL	BDL	BDL	BDL	**39**	BDL	7.8	BDL			BDL	BDL
	3/14/2002	BDL	BDL	BDL	BDL	**7,200**	**5,400**	**5,800**	**12,700**			BDL	BDL
	7/15/2002	BDL	BDL	BDL	BDL	**6,900**	**2,800**	**9,800**	**12,900**			BDL	BDL
	9/30/2003	0.421	**3.30**	0.0132	**0.784**	**1,600**	29	**1,200**	**730**			**480**	492
	6/29/2004	BDL	BDL	BDL	BDL	**1,500**	BDL	**2,400**	2.5			BDL	BDL
	4/28/2005	0.493	**1.77**	0.0117	**0.650**	**1,100**	6.3	**2,300**	190	<5	**150**	**490**	404
	9/29/2005	NA	NA	NA	NA	**130**	<5	150	18	<5	<10	NA	NA
	12/11/2006	NA	NA	<0.005	NA	**810**	<5	72	<15	<5	**39**	**413**	562
	10/10/2006	NA	NA	<0.005	NA	**1100**	<5	120	120	<5	21	**338**	200
KWB-3A	9/19/2000	BDL	BDL	BDL	BDL	1.23	BDL	BDL	BDL			BDL	BDL
	4/10/2001	BDL	BDL	BDL	BDL	1.23	BDL	BDL	BDL			BDL	BDL
	7/19/2001	BDL	BDL	BDL	BDL	**14.5**	BDL	4.06	BDL			BDL	BDL
	4/22/2003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
KWB-3R	9/30/2003	0.316	**3.26**	BDL	0.0737	**20**	BDL	31	18			**396**	**2,660**
	6/29/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	10/19/2004	0.445	**1.94**	BDL	BDL	BDL	BDL	BDL	BDL			**449**	**2,680**
	4/7/2005	0.394	**4.00**	<0.005	<0.005	<5	<5	<5	<15	<5	<10	**523**	**2,620**
	4/26/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	10/17/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**526**	**2,830**
	12/18/2006	0.463	0.434	<0.005	0.0140	<5	<5	<5	<15	<5	<5	**599**	**2,550**
KWB-5	10/10/2006	NA	NA	<0.005	NA	**11,000**	530	380	<15	<5	**84**	**314**	4.69
	12/11/2006	NA	NA	<0.005	NA	**9,400**	420	250	310	<5	**83**	**324**	2.73
KWB-7'	4/10/2001	BDL	BDL	BDL	BDL	3.39	BDL	3.98	BDL			BDL	BDL
	1/10/2002	BDL	BDL	BDL	BDL	1.86	BDL	BDL	BDL			BDL	BDL
	7/9/2002	BDL	BDL	BDL	BDL	**53.1**	BDL	BDL	BDL			BDL	BDL
	9/23/2002	BDL	BDL	BDL	BDL	7.86	BDL	BDL	BDL			BDL	BDL
	4/22/2003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<5	<10	BDL	BDL
	10/28/2003	BDL	BDL	BDL	BDL	**22**	5.4	10	13			BDL	BDL
	6/29/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	4/26/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	10/21/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	10/18/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**443**	**1,050**
	12/27/2006	0.469	<0.2	<0.005	**2.52**	<5	<5	<5	<15	<5	<5	**422**	**955**
KWB-9	9/19/2000	BDL	BDL	BDL	BDL	2.19	BDL	5.43	BDL			BDL	BDL
	4/10/2001	BDL	BDL	BDL	BDL	**33.6**	BDL	11.7	BDL			BDL	BDL
	7/19/2001	BDL	BDL	BDL	BDL	**28.9**	BDL	9.48	BDL			BDL	BDL
	4/22/2003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	10/6/2003	0.403	**1.62**	BDL	0.011	7.1	BDL	BDL	BDL			**349**	**1,260**
	6/29/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	10/19/2004	0.435	**1.19**	BDL	0.0194	BDL	BDL	BDL	BDL			227	**1,290**
	4/7/2005	0.428	**2.61**	<0.005	0.0211	<5	<5	<5	<15	<5	<10	248	**1,260**
	4/26/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	9/29/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	9/29/2006	NA	NA	<0.005	NA	7.8	<5	<5	<15	<5	<5	194	**1,440**
	12/15/2006	0.432	<0.2	<0.005	0.0205	<5	<5	<5	<15	<5	<5	196	**1,460**
KWB-10	9/30/2003	0.300	**1.67**	**0.0574**	**0.609**	**23**	BDL	20	11			164	7.55
	10/15/2004	0.319	**1.27**	**0.0739**	**0.464**	BDL	BDL	BDL	BDL			151	6.12
	4/7/2005	0.318	**1.28**	0.0276	**0.431**	<5	<5	<5	<15	<5	<10	156	7.67
	10/17/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	154	11.8
	12/11/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	151	11.6

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TABLE 3-1
ANNUAL AND SEMI-ANNUAL ANALYSIS RESULTS

	Date	METALS (mg/L)				VOLATILES (µg/L)					SEMIVOLATILES (µg/L)	ANIONS (mg/L)	
		Boron	Iron	Lead	Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	Tetrachloroethene	Naphthalene	Chloride	Sulfate
		GWStd	GWStd	WQCC	GWStd	WQCC	WQCC	WQCC	WQCC	WQCC	WQCC	GWStd	GWStd
		0.75	1	0.05	0.2	10	750	750	620	20	30	250	600
KWB-11A'	4/10/2001	BDL	BDL	BDL	BDL	6.57	BDL	5.67	BDL			BDL	BDL
	7/9/2002	BDL	BDL	BDL	BDL	1.24	BDL	BDL	BDL			BDL	BDL
	9/25/2002	BDL	BDL	BDL	BDL	BDL	BDL	2.17	BDL			BDL	BDL
	4//22/03	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	10/28/2003	BDL	BDL	BDL	BDL	9.1	4.5	9.2	11			BDL	BDL
	6/29/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	4/26/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	9/29/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	10/18/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**334**	552
	12/18/2006	0.406	<0.2	<0.005	0.0109	<5	<5	<5	<15	<5	<5	**380**	**603**
KWB-12A	9/19/2000	BDL	BDL	BDL	BDL	2.39	BDL	5.79	BDL			BDL	BDL
	7/9/2002	BDL	BDL	BDL	BDL	1.94	BDL	BDL	BDL			BDL	BDL
	9/25/2002	BDL	BDL	BDL	BDL	6.35	BDL	2.31	BDL			BDL	BDL
	4/22/2003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	10/17/2006	NA	NA	<0.005	NA	**50**	<5	11	<15	<5	<5	110	**2,310**
	12/15/2006	0.410	<0.2	<0.005	0.00650	<5	<5	<5	<15	<5	<5	108	**2,410**
KWB-13'	1/10/2002	BDL	BDL	BDL	BDL	1.04	1.04	BDL	BDL			BDL	BDL
	12/18/2003	BDL	BDL	BDL	BDL	8.62	1.94	BDL	3.65			BDL	BDL
	4/25/2003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	10/28/2003	BDL	BDL	BDL	BDL	**18**	7.6	13	15			BDL	BDL
	6/29/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	4/27/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	10/21/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	10/19/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	181	**1,820**
	12/11/2006	NA	NA	0.00598	NA	<5	<5	<5	<15	<5	<5	201	**1,810**
KWB-P2	10/18/2006	NA	NA	0.00958	NA	<5	<5	<5	<15	<5	<5	**725**	**2,090**
	12/15/2006	0.342	0.42	<0.005	0.0725	<5	<5	<5	<15	<5	<5	**713**	**2,040**
MW-8	10/10/2006	NA	NA	<0.005	NA	**18**	<5	5.2	<15	<5	<5	**316**	**2,140**
	12/18/2006	0.575	**5.03**	<0.005	**0.372**	<5	<5	<5	<15	<5	<5	**301**	**2,000**
MW-10	10/18/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**1,330**	**1,970**
	12/14/2006	0.333	0.277	<0.005	**1.43**	<5	<5	<5	<15	<5	<5	**1,350**	**2,020**
MW-11A	10/5/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**8,420**	**2,810**
	12/13/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**8,730**	**2,900**
MW-15	10/4/2006	NA	NA	<0.010	NA	**14**	<5	8.6	<15	<5	<5	**466**	**928**
	12/12/2006	NA	NA	<0.005	NA	<5	<5	5.1	<15	<5	<5	**1,120**	**1,240**
MW-16	10/18/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**665**	**2,310**
	12/12/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**639**	**2,260**
MW-18	1/11/2001	BDL	BDL	BDL	BDL	**16.4**	BDL	BDL	BDL			BDL	BDL
	4/18/2001	BDL	BDL	BDL	BDL	1.04	BDL	BDL	BDL			BDL	BDL
	1/10/2002	BDL	BDL	BDL	BDL	3.93	BDL	4.24	BDL			BDL	BDL
	4/22/2003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	10/6/2003	0.465	**1.55**	BDL	0.114	BDL	BDL	BDL	BDL			193	**1,150**
	6/29/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	10/6/2004	0.498	**1.34**	BDL	0.113	BDL	BDL	BDL	BDL			203	**1,120**
	4/12/2005	0.436	0.464	<0.005	0.0742	<5	<5	<5	<15	<5	<10	175	**1,040**
	4/26/2005	NA	NA	NA	NA	9.1	<5	5.1	<15	<5	<10	NA	NA
	9/27/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	10/3/2006	NA	NA	<0.005	NA	9.0	<5	8.9	<15	<5	<5	192	**1,210**
	12/20/2006	0.439	<0.2	<0.005	0.109	<5	<5	<5	<15	<5	<5	187	**1,100**
MW-18A	10/11/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**8,670**	**6,370**
	12/14/2006	**2.09**	<0.4	<0.010	0.0797	<5	<5	<5	<15	<5	<5	**8,700**	**6,580**
MW-20	9/29/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**534**	**3,250**
	12/18/2006	**1.07**	<0.2	<0.005	0.173	<5	<5	<5	<15	<5	<5	**535**	**3,130**
MW-21	10/10/2006	NA	NA	<0.005	NA	8.9	<5	<5	<15	<5	<5	**456**	**3,270**
	12/18/2006	0.679	<0.2	<0.005	**0.440**	<5	<5	<5	<15	<5	<5	**447**	**3,090**
MW-22A	10/11/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**1,670**	**1,950**
	12/14/2006	0.559	**6.04**	<0.005	**4.18**	<5	<5	<5	<15	<5	<5	**1,730**	**2,010**
MW-23	10/2/2006	NA	NA	<0.005	NA	**15,000**	**1,400**	**2,100**	**2,300**	<5	**250**	**501**	5.93
	12/21/2006	0.728	<0.2	<0.005	0.0634	**16,000**	**2,100**	**2,900**	**2,900**	<5	**360**	**489**	6.27
MW-25	10/12/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**1,120**	**1,420**
	12/13/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**1,080**	**1,410**
MW-26	10/12/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**452**	**2,570**
	12/12/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**568**	**2,910**
MW-27	10/12/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	235	**1,530**
	12/15/2006	0.240	<0.2	<0.005	<0.005	<5	<5	<5	<15	<5	<5	230	**1,540**

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TABLE 3-1
ANNUAL AND SEMI-ANNUAL ANALYSIS RESULTS

	Date	METALS (mg/L)				VOLATILES (µg/L)					SEMIVOLATILES (µg/L)	ANIONS (mg/L)	
		Boron	Iron	Lead	Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	Tetrachloroethene	Naphthalene	Chloride	Sulfate
		GWStd	GWStd	WQCC	GWStd	WQCC	WQCC	WQCC	WQCC	WQCC	WQCC	GWStd	GWStd
		0.75	1	0.05	0.2	10	750	750	620	20	30	250	600
MW-28	6/28/2000	BDL	BDL	BDL	BDL	**10.85**	BDL	BDL	BDL			BDL	BDL
	9/19/2000	BDL	BDL	BDL	BDL	**27.6**	BDL	BDL	BDL			BDL	BDL
	1/11/2001	BDL	BDL	BDL	BDL	**30.5**	BDL	BDL	BDL			BDL	BDL
	4/18/2001	BDL	BDL	BDL	BDL	8.1	BDL	BDL	BDL			BDL	BDL
	7/31/2001	BDL	BDL	BDL	BDL	**67.2**	BDL	BDL	BDL			BDL	BDL
	10/11/2001	BDL	BDL	BDL	BDL	**114**	BDL	BDL	BDL			BDL	BDL
	3/14/2002	BDL	BDL	BDL	BDL	**1,800**	BDL	185	154			BDL	BDL
	7/15/2002	BDL	BDL	BDL	BDL	**1,760**	BDL	143	BDL			BDL	BDL
	9/25/2002	BDL	BDL	BDL	BDL	**982**	BDL	BDL	238			BDL	BDL
	12/19/2002	BDL	BDL	BDL	BDL	BDL	**1,750**	BDL	BDL			BDL	BDL
	4/29/2003	BDL	BDL	BDL	BDL	**362**	BDL	BDL	BDL			BDL	BDL
	10/6/2003	**1.45**	**1.84**	0.00863	0.0721	**1,700**	39	220	280			167	**1,360**
	10/19/2004	**1.45**	**1.13**	0.0125	0.0688	**690**	21	55	170			163	**978**
	4/12/2005	**1.34**	0.516	0.0109	0.0614	**700**	21	62	210	<5	15	162	**1,310**
	10/3/2006	NA	NA	0.0227	NA	**490**	14	130	180	<5	**36**	189	**934**
	12/27/2006	**1.27**	**3.31**	0.00614	0.189	**710**	22	140	210	<5	**62**	159	**1,350**
MW-29	1/25/2003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	10/7/2003	**1.39**	**1.01**	BDL	**0.434**	BDL	BDL	BDL	BDL			**400**	**1,870**
	10/6/2004	0.725	**1.32**	BDL	**0.313**	BDL	BDL	BDL	BDL			**395**	**1,160**
	4/12/2005	**1.65**	0.731	<0.005	**0.446**	<5	<5	<5	<15	<5	<10	**634**	**2,950**
	10/3/2006	NA	NA	<0.005	NA	**11**	<5	9.8	<15	<5	<5	**610**	**2,480**
	12/27/2006	**1.34**	**1.11**	<0.005	**0.529**	<5	<5	<5	<15	<5	<5	**564**	**2,440**
MW-41	12/27/2006	**1.15**	0.220	<0.005	**0.926**	**64**	<5	<5	<15	<5	<5	**780**	**1,120**
MW-42	12/21/2006	**0.998**	0.709	<0.005	**0.201**	**2,300**	23	86	400	<5	**47**	**618**	**910**
MW-43	10/2/2006	NA	NA	<0.005	NA	**3,700**	62	210	360	<5	<5	**894**	232
	12/21/2006	0.342	<0.2	<0.005	0.399	**3,900**	64	210	340	<5	**43**	**797**	139
MW-45	9/19/2000	BDL	BDL	BDL	BDL	BDL	4.72	BDL	BDL			BDL	BDL
	1/11/2001	BDL	BDL	BDL	BDL	BDL	1.97	9.79	4.19			BDL	BDL
	4/18/2001	BDL	BDL	BDL	BDL	BDL	1.64	1.80	6.68			BDL	BDL
	7/31/2001	BDL	BDL	BDL	BDL	BDL	1.45	BDL	2.59			BDL	BDL
	10/11/2001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	13.7			BDL	BDL
	1/10/2002	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12.8			BDL	BDL
	3/14/2002	BDL	BDL	BDL	BDL	6.58	BDL	1.36	15.82			BDL	BDL
	7/15/2002	BDL	BDL	BDL	BDL	**10.3**	1.37	2.67	4.93			BDL	BDL
	9/25/2002	BDL	BDL	BDL	BDL	**11.8**	BDL	BDL	17.04			BDL	BDL
	12/18/2003	BDL	BDL	BDL	BDL	**21.7**	2.03	4.67	14.53			BDL	BDL
	1/24/2003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	10/14/2003	0.519	**1.30**	0.0119	**0.394**	BDL	BDL	BDL	BDL			**320**	**1,960**
	10/6/2004	0.570	**1.48**	BDL	**0.305**	BDL	BDL	BDL	BDL			**375**	**1,710**
	4/12/2005	0.513	**1.10**	<0.005	**0.484**	<5	<5	<5	<15	<5	<10	**473**	**2,360**
	4/26/2005	NA	NA	NA	NA	7.3	<5	6.8	<15	<5	<10	NA	NA
	9/29/2005	NA	NA	NA	NA	8.4	<5	6.3	<15	<5	<10	NA	NA
	9/29/2006	NA	NA	0.0281	NA	**16**	<5	5.3	<15	<5	<5	185	**2,080**
MW-48	10/14/2003	0.689	1.00	BDL	**2.44**	**1,500**	49	110	90			212	152
	10/19/2004	**0.769**	0.881	BDL	**2.01**	**1,400**	36	24	66			**404**	290
	4/12/2005	**1.080**	0.595	<0.005	**0.767**	**120**	<5	<5	26	<5	<10	**458**	**1,050**
MW-49	11/3/2003	**0.767**	0.752	BDL	**0.438**	**1,900**	62	110	180			**480**	462
	4/12/2005	0.647	0.815	<0.005	**0.365**	**2,800**	88	110	360	<5	**34**	**350**	**616**
	12/20/2006	0.546	0.342	<0.005	**0.329**	**1,200**	28	41	160	<5	**38**	**513**	462
MW-50	10/16/2006	NA	NA	0.00590	NA	<5	<5	<5	<15	<5	<5	211	**1,480**
	12/28/2006	0.278	0.351	<0.005	**1.46**	<5	<5	<5	<15	<5	<5	195	**1,360**
MW-52[1]	10/28/2003	BDL	BDL	BDL	BDL	**34**	11	17	28			BDL	BDL
	6/29/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	4/26/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	10/10/2006	NA	NA	<0.005	NA	**21**	<5	8.8	<15	<5	<5	**287**	**1,210**
	12/11/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**264**	**1,290**
MW-56	9/29/2006	NA	NA	<0.005	NA	9.9	<5	<5	<15	<5	<5	**300**	**1,860**
	12/27/2006	0.390	0.264	<0.005	**0.311**	<5	<5	<5	<15	<5	<5	248	**1,830**
MW-57	10/14/2003	0.406	**2.83**	BDL	**0.724**	**12,000**	**5,100**	**1,900**	**3,800**			**280**	194
	10/15/2004	0.452	**12.9**	0.011	**1.18**	**100**	BDL	160	26			103	219
	4/14/2005	0.215	**3.67**	<0.005	**0.817**	**9,700**	120	**1,500**	**2,200**	<5	**43**	**370**	115
MW-58	10/15/2004	0.403	**6.94**	0.00517	**0.765**	**4,800**	490	610	530			**366**	146
	4/14/2005	0.332	**3.64**	<0.005	**1.11**	**34**	<5	230	63	<5	**36**	107	224
	10/17/2006	NA	NA	<0.005	NA	**820**	<5	93	95	<5	23	**343**	206
	12/11/2006	NA	NA	<0.005	NA	**540**	<5	60	45	<5	14	**341**	219
MW-61	12/8/2006	NA	NA	0.00772	NA	**5,200**	280	190	**1,100**	<5	**200**	**451**	**721**
MW-62	12/21/2006	0.424	**2.91**	<0.005	0.120	**2,800**	<5	150	**330**	<5	**60**	118	342
MW-63	12/8/2006	NA	NA	<0.005	NA	**2,200**	16	450	250	<5	**100**	**584**	109
MW-66	12/27/2006	0.266	0.549	<0.005	**0.209**	**4,000**	21	330	330	<5	**93**	228	<1
MW-67	12/28/2006	0.356	**1.22**	<0.005	**0.260**	**94**	<5	<5	<15	<5	9.8	235	453
MW-68	10/12/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	234	**1,400**
	12/15/2006	0.519	0.977	<0.005	0.0974	<5	<5	<5	<15	<5	<5	206	**1,290**
MW-70	10/18/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**1,200**	**2,100**
	12/14/2006	0.206	**3.38**	<0.005	**0.255**	<5	<5	<5	<15	<5	<5	**1,280**	**2,210**

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TABLE 3-1
ANNUAL AND SEMI-ANNUAL ANALYSIS RESULTS

	Date	METALS (mg/L)				VOLATILES (µg/L)					SEMIVOLATILES (µg/L)	ANIONS (mg/L)	
		Boron	Iron	Lead	Manganese	Benzene	Toluene	Ethylbenzene	Total Xylenes	Tetrachloroethene	Naphthalene	Chloride	Sulfate
		GWStd	GWStd	WQCC	GWStd	WQCC	WQCC	WQCC	WQCC	WQCC	WQCC	GWStd	GWStd
		0.75	1	0.05	0.2	10	750	750	620	20	30	250	600
NP-1[1]	4/22/2003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	10/28/2003	BDL	BDL	BDL	BDL	7.9	4.1	8.7	11			BDL	BDL
	6/29/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	4/26/2005	NA	NA	NA	NA	8.8	<5	5.2	<15	<5	<10	NA	NA
	9/29/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	10/10/2006	NA	NA	NA	NA	**32**	5.0	5.9	<15	<5	<5	NA	NA
	12/18/2006	NA	NA	NA	NA	<5	<5	<5	<15	<5	<5	NA	NA
NP-2[1]	4/18/2001	BDL	BDL	BDL	BDL	1.45	BDL	BDL	BDL			BDL	BDL
	4/22/2003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	10/28/2003	BDL	BDL	BDL	BDL	9.1	4.7	10	12			BDL	BDL
	6/29/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	4/26/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	9/29/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	10/10/2006	NA	NA	NA	NA	**88**	13	13	17	<5	<5	NA	NA
	12/18/2006	NA	NA	NA	NA	<5	<5	<5	<15	<5	<5	NA	NA
NP-3	10/12/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	212	**1,610**
	12/11/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	204	**1,600**
NP-5	11/6/2003	**1.39**	0.860	BDL	BDL	**11**	BDL	7.3	BDL			203	**3,900**
	6/29/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	4/27/2005	NA	NA	NA	NA	6.3	<5	5.4	<15	<5	<10	NA	NA
	9/27/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	10/3/2006	NA	NA	<0.01	NA	9.7	<5	8.7	<15	<5	<5	204	**4,340**
	12/15/2006	**1.53**	0.375	<0.005	<0.005	<5	<5	<5	<15	<5	<5	181	**4,270**
NP-6	10/10/2006	NA	NA	<0.005	NA	8.8	<5	<5	<15	<5	<5	**652**	**2,860**
	12/18/2006	0.669	<0.2	<0.005	0.00734	<5	<5	<5	<15	<5	<5	**587**	**2,910**
NP-9	11/6/2003	**1.04**	0.890	BDL	BDL	**15**	BDL	9.3	BDL			**275**	**2,420**
	6/29/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	4/27/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	9/27/2005	NA	NA	NA	NA	<5	<5	<5	<15	<5	<10	NA	NA
	10/3/2006	NA	NA	<0.005	NA	8.2	<5	8.2	<15	<5	<5	**290**	**2,310**
	12/27/2006	0.692	<0.2	<0.005	<0.005	<5	<5	<5	<15	<5	<5	218	**2,180**
RW-1	4/15/2005	0.350	**2.23**	<0.005	0.167	**1,400**	21	150	230	**77**	25	**260**	**2,130**
	10/3/2006	NA	NA	<0.005	NA	**840**	10	120	260	**110**	20	97.2	**1,690**
	12/28/2006	0.401	**6.62**	<0.005	0.192	**2,900**	190	180	330	**93**	**53**	**370**	**1,540**
RW-2	4/15/2005	0.551	**1.15**	<0.005	0.0138	**13,000**	360	**1,700**	**790**	**84**	**210**	**408**	**1,040**
RW-3	10/27/2003	**1.22**	0.573	BDL	**0.209**	**6,900**	**1,200**	**2,000**	**2,200**			**1,120**	45.4
	10/19/2004	0.259	**1.18**	BDL	0.192	**560**	31	92	390			167	**611**
	4/15/2005	0.097	**1.02**	<0.005	**0.258**	**110**	10	58	310	<5	<10	**533**	**813**
RW-7	10/27/2003	0.636	0.674	BDL	**0.335**	**19**	BDL	BDL	BDL			185	345
	4/15/2005	0.313	**1.15**	<0.005	0.129	**66**	<5	21	24	<5	<10	187	242
RW-9	10/7/2003	0.731	**1.64**	BDL	0.0160	BDL	BDL	BDL	BDL			**372**	257
	10/19/2004	0.482	0.474	BDL	**0.209**	**2,600**	BDL	9.7	190			170	366
	4/15/2005	0.537	0.792	<0.005	**0.581**	**1,800**	<5	21	110	<5	<10	**291**	**792**
RW-10	10/27/2003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL	BDL
	10/18/2004	0.358	**1.39**	BDL	**0.273**	**41**	BDL	BDL	14			165	**1,410**
	4/15/2005	0.278	**1.74**	<0.005	**0.294**	**25**	6.1	19	39	<5	<10	162	**1,430**
RW-11	10/16/2003	0.210	**1.23**	0.00638	**0.695**	**1,300**	76	**2,400**	**1,100**			102	118
	10/20/2004	0.389	**8.04**	BDL	**0.520**	**490**	13	550	150			109	48.6
RW-12	10/16/2003	0.299	0.725	BDL	**0.397**	**5,000**	54	140	430			188	**1,280**
	10/20/2004	0.435	**1.70**	BDL	**0.217**	**3,400**	37	68	330			191	**1,060**
	4/15/2005	0.295	**540**	<0.005	**2.78**	**500**	7.6	44	47	<5	<10	235	**2,080**
RW-13	10/16/2003	0.329	0.403	BDL	**0.711**	**3,500**	230	540	530			**282**	164
	10/7/2004	**1.11**	**2.21**	BDL	**0.292**	BDL	BDL	BDL	BDL			**450**	**2,280**
RW-16	10/15/2003	0.569	**1.02**	BDL	**0.958**	**42**	35	19	36			**534**	**1,990**
	10/19/2004	**1.15**	**2.61**	BDL	**0.950**	**12**	BDL	BDL	BDL			**818**	**3,200**
	4/15/2005	**1.79**	**2.29**	0.00527	**0.494**	7.2	<5	9.0	<15	<5	<10	**634**	**4,680**
RW-17	10/15/2003	**0.807**	0.466	BDL	**0.663**	**48**	22	6.5	33			**259**	**3,000**
	10/19/2004	**0.774**	**1.24**	BDL	**0.304**	6.7	BDL	BDL	BDL			111	**1,960**
	4/15/2005	**1.20**	**3.62**	<0.005	**0.933**	**25**	<5	19	12	<5	<10	**1,110**	**4,110**
RW-18	9/30/2003	**0.881**	**3.41**	BDL	**1.45**	BDL	BDL	BDL	BDL			**412**	**3,140**
	10/20/2004	**1.13**	**2.41**	BDL	**0.982**	**19**	BDL	8.1	11			**478**	**3,200**
	4/7/2005	**1.07**	**2.04**	<0.005	**1.09**	<5	<5	<5	<15	<5	<10	**428**	**3,220**
	10/17/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**251**	**3,770**
	12/11/2006	NA	NA	<0.005	NA	<5	<5	<5	<15	<5	<5	**253**	**3,550**

[1] Semi-annually sampled and only for benzene, toluene, ethylbenzene and total xylenes (BTEX) and methyl tertiary-butyl ether (MTBE).

WQCC = Water Quality Control Commission; concentration limits from RCRA Permit No. NMD048918817, Section 4.6.1.b.a.i.(b)

GWStd = Groundwater standard; maximum allowable concentration in groundwater from NMAC 20.6.2.3103 (used when WQCC and EPA levels have not been established)

mg/L = Milligrams per liter

µg/L = Micrograms per liter

NA = Not analyzed

Concentration above WQCC or GWStd.

ARCADIS

TABLE 3-2
SUMMARY OF FIELD OBSERVATIONS
Annual Sampling

WELL ID	CONDUCTIVITY (mS/cm)	TEMPERATURE (°C)	pH	DO[1] (%)	ORP	ELEVATION TO TOP OF CASING (ft amsl)	GROUNDWATER ELEVATION (ft amsl)	DEPTH TO FLUID (ft btoc)	DEPTH TO WATER (ft btoc)	TOTAL DEPTH (ft btoc)	THICKNESS OF PRODUCT (ft)	CORRECTED DEPTH TO WATER (ft)	WELL VOLUME (gallons)	MINIMUM VOLUME EVACUATED (gallons)
KWB-1A	4.90	18.3	7.79	0.00	-105	3350.87	3337.21	13.66	13.66	33.93	0	13.66	3.3	10
KWB-1C	4.90	18.2	7.83	0.00	-111	3351.59	3336.18	15.41	15.41	52.65	0	15.41	6.1	19
KWB-P2	6.04	27.5	7.46	19.09	22	3337.28	3307.03	30.25	30.25	33.38	0	30.25	0.5	2
KWB-2R	2.90	20.9	8.02	2.17	-137	3354.31	3333.58	20.73	20.73	33.04	0	20.73	2.0	7
KWB-3R	6.71	18.4	7.57	13.44	8	3345.20	3324.49	20.71	20.71	33.64	0	20.71	2.1	7
KWB-4	NM	NM	NM	NM	NM	3368.33	3338.29	30.04	30.04	38.52	0	30.04	1.4	5
KWB-5	2.70	20.1	8.64	2.03	-305	3363.02	3339.91	23.11	23.11	37.54	0	23.11	2.4	8
KWB-6	NM	NM	NM	NM	NM	3358.71	3340.715081	20.71	0	21.36	-20.71	17.99	0.1	1
KWB-7	4.55	19.0	7.47	8.50	35	3344.14	3323.53	20.61	20.61	34.77	0	20.61	2.3	7
KWB-8	NM	NM	NM	NM	NM	3348.59	3327.970393	20.44	21.81	36.92	1.37	20.62	2.7	9
KWB-9	2.78	18.3	7.28	2.32	-20	3352.67	3328.61	24.06	24.06	37.41	0	24.06	2.2	7
KWB-10	2.06	19.6	7.88	0.15	-123	3355.07	3337.78	17.29	17.29	49.93	0	17.29	5.3	16
KWB-11A	3.40	17.7	7.41	10.11	32	3346.09	3324.81	21.28	21.28	42.16	0	21.28	3.4	11
KWB-12A	4.69	19.7	7.31	8.87	-9	3349.65	3327.33	22.32	22.32	25.02	0	22.32	0.4	2
MW-1R	18.80	21.1	7.78	4.22	-131	3311.93	3301.48	10.45	10.45	21.22	0	10.45	1.8	6
MW-2A	26.20	21.1	8.31	7.15	-87	3309.82	3299.54	10.28	10.28	17.21	0	10.28	1.1	4
MW-3	7.60	22.3	7.48	5.92	-128	3308.42	3299.32	9.10	9.10	20.28	0	9.10	1.8	6
MW-4A	6.61	21.2	8.52	4.13	-159	3309.69	3297.95	11.74	11.74	22.32	0	11.74	1.7	6
MW-5A	31.00	22.8	8.29	7.75	-122	3307.27	3298.49	8.78	8.78	17.00	0	8.78	1.3	5
MW-6A	6.50	21.8	7.99	5.63	-180	3310.67	3298.39	12.28	12.28	18.94	0	12.28	1.1	4
MW-7A	15.10	21.4	8.36	10.02	-129	3306.15	3298.53	7.62	7.62	12.23	0	7.62	0.8	3
MW-8	5.16	19.2	8.01	5.22	-56	3335.31	3325.27	10.04	10.04	20.25	0	10.04	1.7	5
MW-10	8.02	19.5	7.71	5.19	-31	3310.30	3304.62	5.68	5.68	18.98	0	5.68	2.2	7
MW11A	40.20	21.2	7.50	0.69	-132	3307.46	3298.33	9.13	9.13	21.85	0	9.13	2.1	7
MW-15	3.50	20.4	7.73	0.41	-108	3310.93	3299.4	11.53	11.53	21.56	0	11.53	1.6	5
MW16	6.36	19.3	7.58	0.00	-18	3314.77	3307.61	7.16	7.16	21.14	0	7.16	2.3	7
MW-18	808.00	21.2	6.27	6.79	33	3364.13	3354.3	9.83	9.83	22.51	0	9.83	2.1	7
MW-18A	43.60	20.1	7.73	0.43	-10	3305.36	3295.18	10.18	10.18	22.45	0	10.18	2.0	7
MW-20	5.74	20.7	7.57	0.45	-41	3340.69	3330.55	10.14	10.14	26.76	0	10.14	2.7	9
MW-21	7.00	19.8	8.07	0.91	-46	3336.39	3324.74	11.65	11.65	24.99	0	11.65	2.2	7
MW-22A	9.10	20.0	8.03	0.00	-146	3304.30	3296.24	8.06	8.06	22.49	0	8.06	2.4	8
MW-23	2.92	25.4	8.60	0.57	-341	3365.10	3352.25	12.85	12.85	19.17	0	12.85	1.0	4
MW-25	6.60	18.5	7.67	3.65	-42	3310.32	3297.86	12.46	12.46	27.98	0	12.46	2.5	8

ARCADIS

TABLE 3-2
SUMMARY OF FIELD OBSERVATIONS
Annual Sampling

WELL ID	CONDUCTIVITY (mS/cm)	TEMPERATURE (°C)	pH	DO[1] (%)	ORP	ELEVATION TO TOP OF CASING (ft amsl)	GROUNDWATER ELEVATION (ft amsl)	DEPTH TO FLUID (ft btoc)	DEPTH TO WATER (ft btoc)	TOTAL DEPTH (ft btoc)	THICKNESS OF PRODUCT (ft)	CORRECTED DEPTH TO WATER (ft)	WELL VOLUME (gallons)	MINIMUM VOLUME EVACUATED (gallons)
MW-26	5.90	18.7	7.60	3.75	5	3314.30	3305.44	8.86	8.86	27.51	0	8.86	3.0	10
MW-27	3.90	20.5	7.34	3.51	13	3320.13	3304.19	15.94	15.94	30.19	0	15.94	2.3	7
MW-28	3.13	21.3	9.15	0.00	-327	3363.73	3340.83	22.90	22.90	34.18	0	22.90	1.8	6
MW-29	9.10	21.1	7.83	0.21	-250	3364.55	3352.31	12.24	12.24	21.88	0	12.24	1.6	5
MW-39	NM	NM	NM	NM	NM	3361.07	3351.738689	9.33	9.34	25.34	0.01	9.33	2.6	8
MW-41	4.77	20.7	8.59	1.84	-301	3361.53	3353.54	7.99	7.99	22.58	0	7.99	2.4	8
MW-42	4.65	21.0	9.05	0.40	5	3362.55	3353.75	8.80	8.80	23.39	0	8.80	2.4	8
MW-43	4.02	22.4	9.03	0.00	-347	3362.80	3352.49	10.31	10.31	21.32	0	10.31	1.8	6
MW-45	3.80	21.7	8.36	0.77	-291	3356.92	3351.58	5.34	5.34	15.57	0	5.34	1.7	6
MW-46	NM	NM	NM	NM	NM	3354.81	3345.08	9.73	9.73	19.86	0	9.73	1.7	5
MW-48						3366.14	3347.278499	18.48	21.39	25.30	2.91	18.86	1.1	4
MW-49	3.17	21.8	8.82	0.88	-361	3362.93	3351.95	10.98	10.98	32.87	0	10.98	3.6	11
MW-50	3.77	22.0	8.31	1.40	-273	3374.21	3359.51	14.70	14.70	28.41	0	14.70	2.2	7
MW-52	4.49	20.1	7.74	3.15	-51	3371.67	3352.22	19.45	19.45	34.39	0	19.45	2.4	8
MW-53	660.00	23.1	5.99	9.71	75	3367.87	3356.59	11.28	11.28	23.86	0	11.28	2.1	7
MW-54A	2.51	20.4	7.34	1.36	-87	3365.66	3354.77	10.89	10.89	31.24	0	10.89	3.3	10
MW-55	27.80	21.9	6.50			3363.97	3355.84	8.13	8.13	26.89	0	8.13	3.1	10
MW-56	3.73	21.1	7.40	1.14	-99	3362.05	3351.91	10.14	10.14	26.34	0	10.14	2.6	8
MW-58	2.95	20.9	7.73	2.89	-153	NS	-20.74	20.74	20.74	33.06	0	20.74	2.0	7
MW-61	28.90	25.6	8.00			NS	-11.79	11.79	11.79	29.98	0	11.79	3.0	9
MW-62	17.50	22.2	7.00			NS	-15.19	15.19	15.19	31.81	0	15.19	2.7	9
MW-63	22.50	23.8	7.00			NS	-9.33	9.33	9.33	29.44	0	9.33	3.3	10
MW-64	NM	NM	NM	NM	NM	NS	-17.030889	16.77	18.76		1.99	17.03	-2.7	-9
MW-65	NM	NM	NM	NM	NM	NS	-16.66311	16.65	16.75	29.46	0.1	16.66	2.1	7
MW-66	13.80	21.8	6.50			NS	-16.9	16.90	16.90	29.73	0	16.90	2.1	7
MW-67	2.18	22.0	8.44	0.25	-287	NS	-8.77	8.77	8.77	27.19	0	8.77	3.0	10
MW-68	3.70	18.5	7.29	4.97	14	3334.29	3314.63	19.66	19.66	26.68	0	19.66	1.1	4
MW-70	7.60	20.6	8.02	0.00	-139	3303.09	3294.9	8.19	8.19	21.93	0	8.19	2.2	7
RW-1	NM	NM	NM	NM	NM	NS	0	NM	NM	NM	0	0.00	0.0	0
RW-18	6.65	18.9	7.43	0.95	-26	NS	-11.68	11.68	11.68	17.77	0	11.68	1.0	3
NP-1	6.20	19.0	7.50	6.78	86	3341.64	3327.1	14.54	14.54	21.79	0	14.54	1.2	4
NP-2	6.81	19.6	8.22	8.61	-186	3342.09	3329.74	12.35	12.35	21.41	0	12.35	1.5	5
NP-3	4.00	20.9	7.71	4.16	-88	3342.24	3330.53	11.71	11.71	27.78	0	11.71	2.6	8

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TABLE 3-2
SUMMARY OF FIELD OBSERVATIONS
Annual Sampling

WELL ID	CONDUCTIVITY (mS/cm)	TEMPERATURE (°C)	pH	DO[1] (%)	ORP	ELEVATION TO TOP OF CASING (ft amsl)	GROUNDWATER ELEVATION (ft amsl)	DEPTH TO FLUID (ft btoc)	DEPTH TO WATER (ft btoc)	TOTAL DEPTH (ft btoc)	THICKNESS OF PRODUCT (ft)	CORRECTED DEPTH TO WATER (ft)	WELL VOLUME (gallons)	MINIMUM VOLUME EVACUATED (gallons)
NP-5	7.70	17.8	7.03	7.33	-34	3353.41	3341.56	11.85	11.85	25.06	0	11.85	2.2	7
NP-6	7.10	19.0	8.05	5.92	-34	3336.96	3325.02	11.94	11.94	20.21	0	11.94	1.3	5
NP-9	4.80	17.9	7.69	7.61	-170	3359.49	3356.15	3.34	3.34	25.81	0	3.34	3.7	12
OCD-1	21.40	21.4	7.82	5.94	-152	3311.11	3299.47	11.64	11.64	23.76	0	11.64	2.0	6
OCD-2A	17.90	20.2	7.32	3.97	-98	3310.99	3299.22	11.77	11.77	27.45	0	11.77	2.6	8
OCD-3	15.00	20.8	7.33	3.12	-87	3311.19	3298.43	12.76	12.76	25.33	0	12.76	2.1	7
OCD-4	24.40	21.1	7.54	3.32	-137	3312.23	3300.61	11.62	11.62	25.29	0	11.62	2.2	7
OCD-5	25.50	20.2	7.69	3.73	-151	3307.82	3297.53	10.29	10.29	25.78	0	10.29	2.5	8
OCD-6	22.20	19.4	7.90	3.13	-146	3309.93	3299.44	10.49	10.49	26.68	0	10.49	2.6	8
OCD-7A	12.80	20.6	7.94	1.60	-159	3307.05	3297.74	9.31	9.31	21.15	0	9.31	1.9	6
OCD-8A	21.30	22.5	7.92	3.71	-150	3306.68	3296.94	9.74	9.74	21.63	0	9.74	1.9	6
NCL-32	628.00	20.8	6.03	8.89	81	3363.72	3354.64	9.08	9.08	19.64	0	9.08	1.7	6
NCL-33	2.68	21.6	7.34	1.71	-91	3364.74	3355.6	9.14	9.14	20.48	0	9.14	1.9	6
NCL-34	2.20	22.6	8.50	2.09	-309	3364.74	3354.98	9.76	9.76	19.28	0	9.76	1.6	5
NCL-44	2.35	20.8	7.96	3.26	-213	3363.23	3354.65	8.58	8.58	21.63	0	8.58	2.1	7
NCL-49	3.04	20.2	7.20	2.58	-38	3369.87	3354.4	15.47	15.47	32.09	0	15.47	2.7	9
TEL-1	3.74	20.2	8.28	0.47	-305	3361.34	3352.68	8.66	8.66	26.91	0	8.66	3.0	9
TEL-2	3.33	20.3	8.67	0.92	-358	3362.23	3352.69	9.54	9.54	27.09	0	9.54	2.9	9
TEL-3	NM	NM	NM	NM	NM	3361.45	3352.738689	8.71	8.72	27.18	0.01	8.71	3.0	10
TEL-4	3.19	21.1	8.09	0.34	-299	3363.31	3353.91	9.40	9.40	27.16	0	9.40	2.9	9

[1] Meter appeared to be reading improperly.

DO = Dissolved oxygen

ORP = Oxidation-reduction potential

mS/cm = milliseimens per centimeter

ft amsl = Feet above mean sea level

ft btoc = Feet below top of casing

NS = Not surveyed

NM = Not measured; pump in well

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TABLE 3-3
SUMMARY OF FIELD OBSERVATIONS
Annual Sampling

WELL ID	CONDUCTIVITY (mS/cm)	TEMPERATURE (°C)	pH	DO[1] (%)	ORP	ELEVATION TO TOP OF CASING (ft amsl)	GROUNDWATER ELEVATION (ft amsl)	DEPTH TO FLUID (ft btoc)	DEPTH TO WATER (ft btoc)	TOTAL DEPTH (ft btoc)	THICKNESS OF PRODUCT (ft)	CORRECTED DEPTH TO WATER (ft)	WELL VOLUME (gallons)	MINIMUM VOLUME EVACUATED (gallons)
KWB-1A	4.080	17.83	6.45	0.46	-6.1	3350.87	3337.02	13.85	13.85	33.93	0	13.85	3.3	10
KWB-1C	NM	NM	NM	NM	NM	3351.59	3336.77	14.82	14.82	52.65	0	14.82	6.2	19
KWB-P2	5.135	20.61	7.41	6.71	75.9	3337.28	3308.19	29.09	29.09	33.38	0	29.09	0.7	3
KWB-2R	3.223	21.14	6.46	3.52	-34.8	3354.31	3330.64	23.67	23.67	33.04	0	23.67	1.5	5
KWB-3R	5.983	17.66	6.87	6.72	139.4	3345.20	3320.96	24.24	24.24	33.64	0	24.24	1.5	5
KWB-4	2.220	20.10	6.68	4.76	-246.8	3368.33	3343.087391	24.30	31.49	38.52	7.19	25.24	2.3	7
KWB-5	NM	NM	NM	NM	NM	3363.02	3338.45	24.57	24.57	37.54	0	24.57	2.1	7
KWB-6	NM	NM	NM	NM	NM	3358.71	3335.458499	22.87	25.78	21.36	2.91	23.25	-0.2	-1
KWB-7	3.379	18.51	6.88	1.54	-100.5	3344.14	3321.4	22.74	22.74	34.77	0	22.74	2.0	6
KWB-8	NM	NM	NM	NM	NM	3348.59	3324.290116	23.98	26.42	36.92	2.44	24.30	2.1	7
KWB-9	3.158	17.77	6.54	1.37	164.9	3352.67	3324.8	27.87	27.87	37.41	0	27.87	1.6	5
KWB-10	1.687	19.24	6.37	0.29	-162.4	3355.07	3337.42	17.65	17.65	49.93	0	17.65	5.3	16
KWB-11A	3.003	17.81	6.35	2.73	115.7	3346.09	3321.87	24.22	24.22	42.16	0	24.22	2.9	9
KWB-12A	3.988	17.77	6.46	6.05	114.8	3349.65	3323.76	25.89	25.89	25.02	0	25.89	-0.1	-1
MW-1R	11.36	19.72	6.95	0.27	-124.3	3311.93	3301.62	10.31	10.31	21.22	0	10.31	1.8	6
MW-2A	24.10	19.75	7.10	0.59	-100.8	3309.82	3299.73	10.09	10.09	17.21	0	10.09	1.2	4
MW-3	6.742	20.29	7.36	1.45	-52.2	3308.42	3299.59	8.83	8.83	20.28	0	8.83	1.9	6
MW-4A	5.523	20.41	6.90	2.85	-104.4	3309.69	3298.3	11.39	11.39	22.32	0	11.39	1.8	6
MW-5A	20.32	20.75	7.11	2.00	-100.2	3307.27	3298.66	8.61	8.61	17.00	0	8.61	1.4	5
MW-6A	5.814	20.51	7.83	0.21	-110.1	3310.67	3298.37	12.30	12.30	18.94	0	12.30	1.1	4
MW-7A	9.614	19.74	7.47	0.22	-112.4	3306.15	3298.81	7.34	7.34	12.23	0	7.34	0.8	3
MW-8	4.483	18.35	7.04	0.90	1.9	3335.31	3324.39	10.92	10.92	20.25	0	10.92	1.5	5
MW-10	6.952	19.24	7.12	2.64	24.1	3310.30	3305.14	5.16	5.16	18.98	0	5.16	2.3	7
MW11A	26.48	20.31	6.62	2.95	-103.8	3307.46	3299.36	8.10	8.10	21.85	0	8.10	2.2	7
MW-15	5.284	19.33	7.16	0.99	-66.6	3310.93	3299.64	11.29	11.29	21.56	0	11.29	1.7	6
MW16	5.376	18.65	6.92	3.19	48.6	3314.77	3306.94	7.83	7.83	21.14	0	7.83	2.2	7
MW-18	2.854	20.18	6.75	3.47	-248.9	3364.13	3352.75	11.38	11.38	22.51	0	11.38	1.8	6
MW-18A	27.65	20.13	6.98	3.17	70.1	3305.36	3295.59	9.77	9.77	22.45	0	9.77	2.1	7
MW-20	6.047	20.05	6.79	1.02	122.7	3340.69	3330.14	10.55	10.55	26.76	0	10.55	2.6	8
MW-21	6.010	18.68	6.77	1.72	108.0	3336.39	3323.87	12.52	12.52	24.99	0	12.52	2.0	7
MW-22A	7.906	19.74	6.94	1.43	-114.7	3304.3	3296.68	7.62	7.62	22.49	0	7.62	2.4	8
MW-23	3.081	25.00	6.41	0.20	-350.3	3365.10	3352.28	12.82	12.82	19.17	0	12.82	1.0	4
MW-25	5.529	18.16	7.20	2.92	25.3	3310.32	3297.43	12.89	12.89	27.98	0	12.89	2.5	8

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TABLE 3-3
SUMMARY OF FIELD OBSERVATIONS
Annual Sampling

WELL ID	CONDUCTIVITY (mS/cm)	TEMPERATURE (°C)	pH	DO[1] (%)	ORP	ELEVATION TO TOP OF CASING (ft amsl)	GROUNDWATER ELEVATION (ft amsl)	DEPTH TO FLUID (ft btoc)	DEPTH TO WATER (ft btoc)	TOTAL DEPTH (ft btoc)	THICKNESS OF PRODUCT (ft)	CORRECTED DEPTH TO WATER (ft)	WELL VOLUME (gallons)	MINIMUM VOLUME EVACUATED (gallons)
MW-26	5.651	18.62	7.14	1.88	65.8	3314.30	3304.32	9.98	9.98	27.51	0	9.98	2.9	9
MW-27	3.218	20.36	6.94	0.32	175.5	3320.13	3302.51	17.62	17.62	30.19	0	17.62	2.1	7
MW-28	3.328	20.89	6.27	3.71	-352.7	3363.73	3339.35	24.38	24.38	34.18	0	24.38	1.6	5
MW-29	5.388	20.40	6.39	0.48	-289.3	3364.55	3352.24	12.31	12.31	21.88	0	12.31	1.6	5
MW-39	NM	NM	NM	NM	NM	3361.07	3351.244756	9.82	9.86	25.34	0.04	9.83	2.5	8
MW-41	4.802	20.55	6.39	6.00	-294.3	3361.53	3352.81	8.72	8.72	22.58	0	8.72	2.3	7
MW-42	4.611	20.23	6.57	4.30	-348.5	3362.55	3352.88	9.67	9.67	23.39	0	9.67	2.2	7
MW-43	4.290	21.77	6.53	0.30	-357.4	3362.80	3352.48	10.32	10.32	21.32	0	10.32	1.8	6
MW-45	NM	NM	NM	NM	NM	3356.92	3351.68	5.24	5.24	15.57	0	5.24	1.7	6
MW-46	NM	NM	NM	NM	NM	3354.81	3345.73	9.08	9.08	19.86	0	9.08	1.8	6
MW-48	NM	NM	NM	NM	NM	3366.14	3345.993255	19.76	22.71	25.30	2.95	20.15	0.9	3
MW-49	3.360	21.96	6.52	7.03	-358.4	3362.93	3350.6	12.33	12.33	32.87	0	12.33	3.4	11
MW-50	2.865	21.60	6.81	1.09	-302	3374.21	3357.89	16.32	16.32	28.41	0	16.32	2.0	6
MW-52	3.629	20.15	6.51	3.00	84.0	3371.67	3350.51	21.16	21.16	34.39	0	21.16	2.2	7
MW-53	2.566	22.22	6.87	0.66	59.1	3367.87	3354.7	13.17	13.17	23.86	0	13.17	1.7	6
MW-54A	2.567	20.14	6.41	4.93	-4.8	3365.66	3353.19	12.47	12.47	31.24	0	12.47	3.1	10
MW-55	4.303	20.71	7.00	4.53	-269	3363.97	3354.35	9.62	9.62	26.89	0	9.62	2.8	9
MW-56	3.677	21.23	6.68	0.73	-180.8	3362.05	3350.97	11.08	11.08	26.34	0	11.08	2.5	8
MW-58	2.485	21.06	6.21	0.28	-40.6	NS	-22.57	22.57	22.57	33.06	0	22.57	1.7	6
MW-61	NM	NM	NM	NM	NM	NS	-12.07	12.07	12.07	28.90	0	12.07	2.7	9
MW-62	2.241	21.73	6.58	4.25	-315.4	NS	-15.45	15.45	15.45	31.81	0	15.45	2.7	9
MW-63	NM	NM	NM	NM	NM	NS	-9.45	9.45	9.45	29.35	0	9.45	3.2	10
MW-64	NM	NM	NM	NM	NM	NS	-20.752907	20.18	24.55		4.37	20.75	-3.3	-10
MW-65	NM	NM	NM	NM	NM	NS	-17.914727	17.84	18.41	29.46	0.57	17.91	1.9	6
MW-66	1.998	20.72	6.60	10.36	-186.0	NS	-18.15	18.15	18.15	29.73	0	18.15	1.9	6
MW-67	2.286	21.88	6.52	0.49	-268.7	NS	-10.86	10.86	10.86	27.19	0	10.86	2.7	8
MW-68	3.074	20.39	7.41	6.75	74.8	3334.29	3313.34	20.95	20.95	26.68	0	20.95	0.9	3
MW-70	6.735	19.53	7.08	1.54	-87.9	3303.09	3295.38	7.71	7.71	21.93	0	7.71	2.3	7
RW-1	NM	NM	NM	NM	NM	NS	-8.43	8.43	8.43	NM	0	8.43	-1.4	-5
RW-18	5.639	18.35	6.75	0.67	20.0	NS	-11.6	11.60	11.60	17.77	0	11.60	1.0	4
NP-1	5.262	18.26	6.95	0.90	212.0	3341.64	3326.76	14.88	14.88	21.79	0	14.88	1.1	4
NP-2	5.792	18.91	6.97	4.38	152.6	3342.09	3329.67	12.42	12.42	21.41	0	12.42	1.5	5
NP-3	3.357	19.91	7.01	1.28	-32.6	3342.24	3329.62	12.62	12.62	27.78	0	12.62	2.5	8

TABLE 3-3
SUMMARY OF FIELD OBSERVATIONS
Annual Sampling

WELL ID	CONDUCTIVITY (mS/cm)	TEMPERATURE (°C)	pH	DO[1] (%)	ORP	ELEVATION TO TOP OF CASING (ft amsl)	GROUNDWATER ELEVATION (ft amsl)	DEPTH TO FLUID (ft btoc)	DEPTH TO WATER (ft btoc)	TOTAL DEPTH (ft btoc)	THICKNESS OF PRODUCT (ft)	CORRECTED DEPTH TO WATER (ft)	WELL VOLUME (gallons)	MINIMUM VOLUME EVACUATED (gallons)
NP-5	6.622	17.92	6.92	0.62	65.9	3353.41	3341.35	12.06	12.06	25.06	0	12.06	2.1	7
NP-6	6.079	18.17	6.99	1.94	116.6	3336.96	3324.21	12.75	12.75	20.21	0	12.75	1.2	4
NP-9	3.899	17.88	7.09	4.16	-210.6	3359.49	3354.26	5.23	5.23	25.81	0	5.23	3.4	11
OCD-1	0.144	20.27	6.90	1.38	-123.0	3311.11	3299.47	11.64	11.64	23.76	0	11.64	2.0	6
OCD-2A	7.461	19.71	7.19	0.26	-133.6	3310.99	3299.3	11.69	11.69	27.45	0	11.69	2.6	8
OCD-3	9.443	20.50	6.96	1.50	-84.5	3311.19	3298.95	12.24	12.24	25.33	0	12.24	2.1	7
OCD-4	15.79	20.73	7.05	1.25	-110.9	3312.23	3300.7	11.53	11.53	25.29	0	11.53	2.2	7
OCD-5	16.80	19.63	6.89	1.39	-99.5	3307.82	3298.18	9.64	9.64	25.78	0	9.64	2.6	8
OCD-6	14.49	19.13	6.96	0.43	-116.9	3309.93	3299.67	10.26	10.26	26.68	0	10.26	2.7	9
OCD-7A	11.50	20.00	6.83	3.31	-131.6	3307.05	3297.89	9.16	9.16	21.15	0	9.16	2.0	6
OCD-8A	12.33	20.17	6.92	3.24	-102.7	3306.68	3297.11	9.57	9.57	21.63	0	9.57	2.0	6
NCL-32	2.795	20.34	6.67	4.82	-36.4	3363.72	3354	9.72	9.72	19.64	0	9.72	1.6	5
NCL-33	2.951	21.22	6.54	4.15	-72.9	3364.74	3355.02	9.72	9.72	20.48	0	9.72	1.8	6
NCL-34	2.069	22.41	6.58	2.88	-328.4	3364.74	3354.18	10.56	10.56	19.28	0	10.56	1.4	5
NCL-44	2.336	20.54	6.60	3.66	-100.5	3363.23	3353.98	9.25	9.25	21.63	0	9.25	2.0	7
NCL-49	3.22	20.07	6.58	3.76	136.7	3369.87	3353.81	16.06	16.06	32.09	0	16.06	2.6	8
TEL-1	3.681	20.26	7.00	2.82	-324.0	3361.34	3353.08	8.26	8.26	26.91	0	8.26	3.0	10
TEL-2	3.555	20.58	6.67	4.09	-358.2	3362.23	3353.18	9.05	9.05	27.09	0	9.05	2.9	9
TEL-3	NM	NM	NM	NM	NM	3361.45	3352.801617	8.71	8.24	27.18	-0.47	8.65	3.0	10
TEL-4	7.796	20.83	7.19	6.43	-277.0	3363.31	3354.64	8.67	8.67	27.16	0	8.67	3.0	10

[1] Meter appeared to be reading improperly.

DO = Dissolved oxygen

ORP = Oxidation-reduction potential

mS/cm = millisiemens per centimeter

ft amsl = Feet above mean sea level

ft btoc = Feet below top of casing

NS = Not surveyed

NM = Not measured; pump in well

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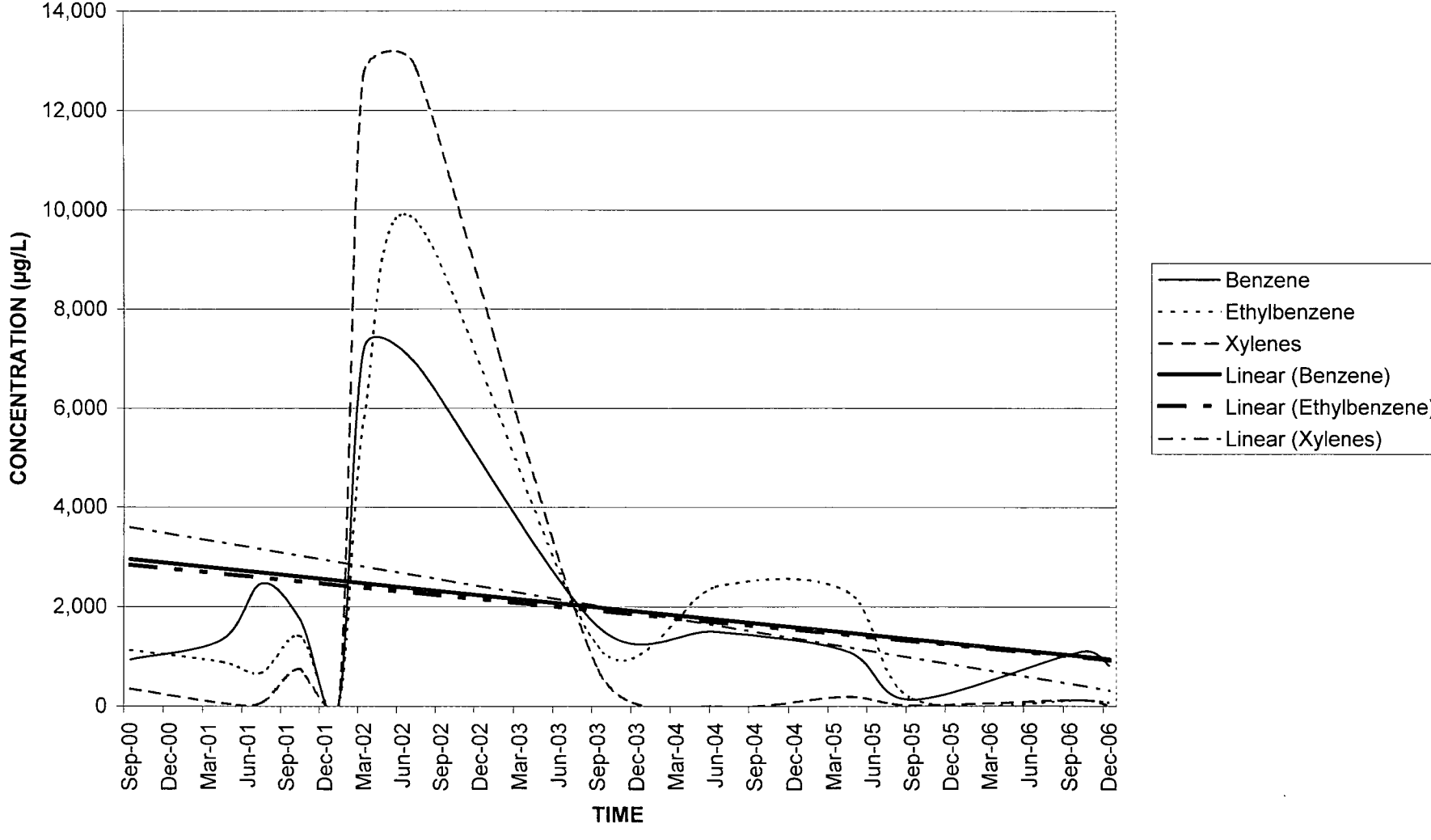
FIGURE 3-4
KWB-2R



G:\APROJECT\Navajo refining\2006 Groundwater Report\Report Tables\
FIGURE 3-4.xls
KWB-2R Chart 1

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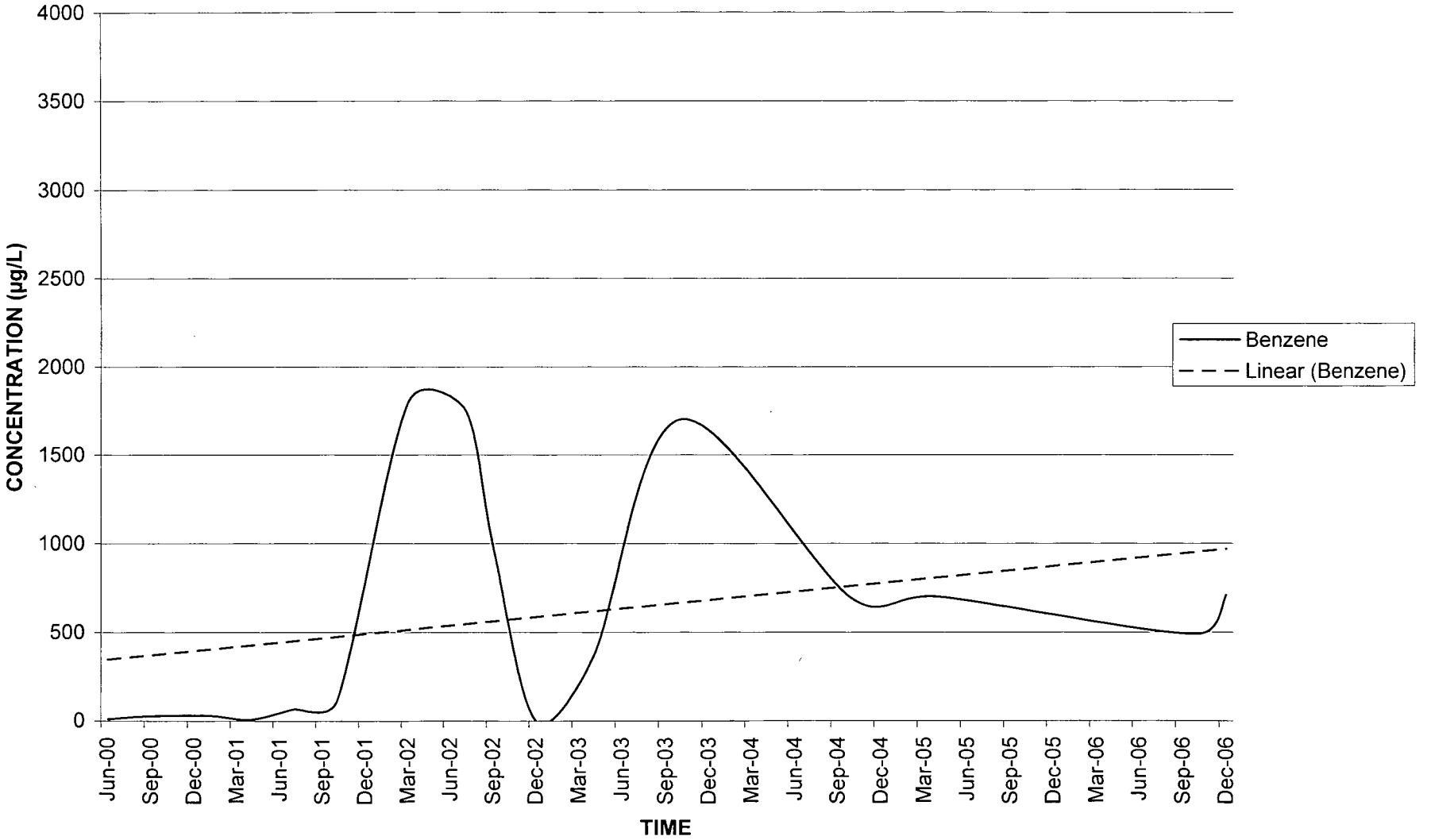
FIGURE 3-5
MW-28



4.0 MONITORING RESULTS AND CHEMICAL ANALYTICAL DATA - NCL/TEL

TABLES 3-2 and 3-3 contain the field observations for the eleven monitoring wells sampled. This is the third year that dissolved oxygen (DO) and oxidation-reduction potential (ORP) have been collected. These parameters, along with pH, Temperature, and Conductivity are all taken with a flow-thru cell. A 12-volt submersible pump is used to pump water through the cell. The cell is a closed system with an influent and effluent port. The probes are submersed in the water with a minimal amount of air left in the cell. Continuous readings of all of the field parameters are taken as the water passes through the cell.

TABLE 4-1 contains the analytical results for the monitoring wells. The three metals; boron, iron, and manganese had several results above the WQCC level. Monitoring well NCL-34 has shown a fluctuation in BTEX concentrations. A graph of benzene, ethyl benzene, and xylenes is provided in FIGURE 4-1. As this graph shows, these constituents have had an overall decline over the years. Benzene has ranged from 5,010 ppb in 1997 down to 957 ppb in 2002, back to 3,600 ppb in 2005 and for the December 2006 event benzene is not detected. This may be caused from water level fluctuations.

BTEX concentrations in monitoring wells TEL-2 and TEL-3 have been declining over the last several years and this decline is illustrated in FIGURES 4-2 and 4-3, respectively. These wells are generally downgradient from the TEL impoundment. These wells have exhibited free-phase product in them over the years. However, the thickness of product has been declining from 2 to 3 feet occurring ten to fifteen years ago to non-existent in recent years. TEL-3 has been eliminated from the work plan groundwater monitoring schedule and therefore was not sampled for 2006.

Monitoring well TEL-4 had been showing a decrease in BTEX concentrations, but indicates an increase in 2006, as illustrated in FIGURE 4-4. This well is the upgradient well for the TEL impoundment. As previously stated, it is believed that this is because of a historic plume resulting from the former tank farm which was located in the same vicinity as the current FCC and Alky units. All of the laboratory analytical data sheets for the 2006 sampling events are provided in ATTACHMENTS B and C.

No significant free-phase hydrocarbon plume exists around the plant and therefore no isopleth was created. No monitoring wells have exhibited consistent phase-separated hydrocarbons in over a year.

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TABLE 4-1
NCL/TEL GROUNDWATER WELL ANALYTICAL DATA

	Date	METALS (mg/L)						Volatiles (µg/L)			SEMIVOLATILES (µg/L)	ANIONS (mg/L)	
		Aluminum	Boron	Copper	Iron	Lead	Manganese	Benzene	Ethylbenzene	Xylenes	Naphthalene	Chloride	Sulfate
		GWStd	GWStd	GWStd	GWStd	WQCC	GWStd	WQCC	WQCC	WQCC	WQCC	GWStd	GWStd
		5	0.75	1	1	0.05	0.2	10	750	620	30	250	600
NCL-32	12/9/1997	BDL	0.0927	BDL	0.409	BDL	**0.647**	BDL	BDL	BDL		BDL	BDL
	9/30/2002	BDL	0.278	0.328	0.231	BDL	**0.848**	BDL	BDL	BDL		BDL	BDL
	12/26/2002	BDL	0.250	BDL	0.850	BDL	**0.606**	BDL	BDL	BDL		BDL	BDL
	8/11/2003	BDL	0.285	0.0056	**1.25**	BDL	**0.899**	BDL	BDL	BDL		238	**1,280**
	11/4/2003	BDL	0.268	0.00736	**1.05**	BDL	**0.884**	9.1	5.6	BDL		226	**1,140**
	1/12/2004	BDL	0.292	0.693	**2.69**	BDL	**0.950**	BDL	BDL	BDL		224	**1,210**
	4/12/2004	0.457	0.234	0.00222	0.367	BDL	**0.792**	BDL	BDL	BDL		214	**1,240**
	11/4/2004	0.209	0.222	BDL	**1.86**	BDL	**0.645**	BDL	BDL	BDL		166	**1,180**
	2/22/2005	0.346	0.253	0.00201	**2.35**	<0.005	**0.568**	<5	<5	<15	<10	172	**1,090**
	5/4/2005	0.0762	0.235	<0.002	0.478	<0.005	**0.671**	**12**	6.6	<15	<10	170	**1,080**
	8/18/2005	0.110	0.265	<0.002	0.663	<0.005	**0.758**	<5	<5	<15	<10	183	**1,140**
	11/8/2005	0.286	0.307	<0.002	0.660	<0.005	**0.738**	<5	<5	<15	<10	196	**1,190**
	10/3/2006	NA	NA	NA	NA	<0.005	NA	**36**	21	25	<5	222	**1,210**
	12/19/2006	1.30	0.301	<0.005	1.08	0.00534	0.784	<5	<5	<15	<5	210	**1,100**
NCL-33	12/10/1997	**5.88**	0.229	BDL	**7.61**	0.0138	**0.198**	BDL	BDL	BDL		BDL	BDL
	10/1/2002	2.83	0.511	**3.33**	**3.18**	BDL	**0.086**	BDL	BDL	BDL		BDL	BDL
	12/27/2002	0.961	0.434	BDL	**1.44**	BDL	**0.140**	BDL	BDL	BDL		BDL	BDL
	8/12/2003	0.592	0.531	0.00611	**2.31**	BDL	**0.132**	BDL	BDL	BDL		**304**	315
	11/6/2003	0.0255	0.471	BDL	**2.30**	BDL	**0.0832**	**11**	6.8	BDL		**297**	2.66
	1/12/2004	0.0447	0.631	**1.42**	**4.34**	BDL	**0.0867**	BDL	BDL	BDL		**302**	307
	4/13/2004	0.0177	0.597	0.00253	**2.08**	BDL	**0.074**	BDL	BDL	BDL		**314**	315
	7/19/2004	0.0121	0.491	BDL	**1.53**	BDL	**0.0782**	BDL	BDL	BDL		**289**	377
	11/4/2004	BDL	0.555	BDL	**2.15**	BDL	**0.0719**	BDL	BDL	BDL		**302**	462
	2/22/2005	<0.01	0.595	<0.002	**2.04**	<0.005	**0.0862**	7.5	<5	<15	<10	245	**600**
	5/4/2005	0.0148	0.658	<0.002	0.299	<0.005	**0.113**	7.7	9.7	<15	<10	229	**843**
	8/19/2005	<0.01	0.578	<0.002	**1.24**	<0.005	**0.104**	<5	<5	<15	<10	243	**764**
	11/8/2005	0.104	0.563	<0.002	**1.64**	<0.005	**0.107**	<5	<5	<15	<10	**271**	**733**
	9/29/2006	NA	NA	NA	NA	0.00620	NA	**11**	<5	<15	<5	**327**	**844**
	12/19/2006	0.0326	0.600	<0.005	1.90	<0.005	0.109	<5	<5	<15	<5	**340**	**805**
NCL-34	12/10/1997	**43.8**	**153**	BDL	**31.2**	**0.0619**	**0.470**	**5,010**	**2,500**	**1,950**		BDL	BDL
	10/1/2002	BDL	0.287	**8.73**	BDL	0.0091	**0.0892**	**1,640**	96.9	27.9		BDL	BDL
	12/27/2002	0.321	0.296	BDL	0.438	BDL	**0.0943**	**957**	154	**44.3**		BDL	BDL
	8/12/2003	0.0211	0.350	0.00378	**1.18**	BDL	**0.146**	**2,400**	500	**190**		**359**	221
	11/6/2003	0.026	0.261	BDL	0.865	BDL	**0.140**	**2,800**	400	**240**		**368**	174
	1/12/2004	BDL	0.316	0.538	**1.98**	BDL	**0.108**	**4,200**	280	**240**		**369**	178
	4/13/2004	0.0142	0.4130	BDL	0.323	BDL	**0.117**	**1,400**	230	**130**		**324**	181
	7/19/2004	0.0532	0.277	BDL	0.292	BDL	**0.109**	**2,600**	200	**240**		**364**	154
	11/4/2004	BDL	0.293	BDL	**1.32**	BDL	**0.107**	**2,300**	200	**180**		77	139
	2/22/2005	0.014	0.342	<0.002	**1.02**	<0.005	**0.108**	**1,400**	190	**110**	16	**290**	156
	5/4/2005	<0.01	0.275	<0.002	<0.2	<0.005	**0.0834**	**3,600**	140	**240**	<10	**487**	150
	8/22/2005	<0.01	0.313	<0.002	0.272	<0.005	**0.102**	**1,200**	120	**150**	<10	**275**	156
	11/8/2005	0.0177	0.354	<0.002	0.447	<0.005	**0.122**	**2,100**	350	**160**	24	**291**	146
	10/16/2006	NA	NA	NA	NA	<0.005	NA	**940**	260	**72**	22	183	132
	12/19/2006	0.176	0.310	<0.005	<0.2	<0.005	0.0735	<5	<5	<15	<5	237	146
NCL-44	12/10/1997	0.564	0.137	BDL	0.901	BDL	**0.564**	BDL	BDL	BDL		BDL	BDL
	9/30/2003	0.530	0.301	**1.12**	**1.89**	BDL	**0.622**	BDL	BDL	BDL		BDL	BDL
	12/26/2002	BDL	0.237	BDL	BDL	BDL	**0.790**	BDL	BDL	BDL		BDL	BDL
	8/11/2003	0.191	0.300	0.00465	**1.79**	BDL	**0.737**	BDL	BDL	BDL		247	539
	11/4/2003	0.0296	0.316	0.00859	**1.56**	BDL	**0.753**	6.8	BDL	BDL		224	464
	1/12/2004	0.0111	0.327	0.328	**3.30**	BDL	**0.719**	BDL	BDL	BDL		210	458
	4/12/2004	0.590	0.272	0.0376	**1.36**	BDL	**0.742**	BDL	BDL	BDL		**250**	478
	11/4/2004	BDL	0.288	BDL	**1.97**	BDL	**0.743**	BDL	BDL	BDL		**296**	99
	2/22/2005	<0.01	0.291	<0.002	**1.70**	<0.005	**0.692**	<5	<5	<15	<10	189	497
	5/4/2005	<0.01	0.316	<0.002	**1.27**	<0.005	**0.711**	**32**	11	<15	<10	182	464
	8/19/2005	<0.01	0.278	<0.002	**1.28**	<0.005	**0.760**	<5	<5	<15	<10	200	554
	11/8/2005	0.025	0.330	<0.002	**1.18**	<0.005	**0.723**	<5	<5	<15	<10	221	575
	10/2/2006	NA	NA	NA	NA	<0.005	NA	**140**	74	**79**	8.5	182	575
	12/19/2006	0.0446	0.332	<0.005	**1.27**	<0.005	0.760	<5	<5	<15	<5	188	574

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TABLE 4-1
NCL/TEL GROUNDWATER WELL ANALYTICAL DATA

	Date	METALS (mg/L)						Volatiles (µg/L)			SEMIVOLATILES (µg/L)	ANIONS (mg/L)	
		Aluminum	Boron	Copper	Iron	Lead	Manganese	Benzene	Ethylbenzene	Xylenes	Naphthalene	Chloride	Sulfate
		GWStd	GWStd	GWStd	GWStd	WQCC	GWStd	WQCC	WQCC	WQCC	WQCC	GWStd	GWStd
		5	0.75	1	1	0.05	0.2	10	750	620	30	250	600
NCL-49	12/9/1997	0.324	BDL	BDL	0.669	BDL	BDL	BDL	BDL	BDL		BDL	BDL
	9/30/2002	BDL	0.244	0.538	0.352	BDL	BDL	BDL	BDL	BDL		BDL	BDL
	12/26/2002	BDL	0.210	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL
	8/11/2003	0.0267	0.256	0.00704	0.941	BDL	BDL	BDL	BDL	BDL		182	**1,810**
	11/4/2003	BDL	0.257	0.00672	**1.00**	BDL	BDL	BDL	5.6	BDL		183	**1,600**
	1/12/2004	0.0132	0.281	0.310	**2.53**	BDL	BDL	BDL	BDL	BDL		185	**1,660**
	4/12/2004	0.0117	0.240	0.0021	BDL	BDL	0.00671	BDL	BDL	BDL		195	**1,760**
	11/4/2004	BDL	0.528	BDL	**1.61**	BDL	**0.480**	BDL	BDL	BDL		**270**	**1,940**
	2/22/2005	<0.01	0.287	0.00210	**1.86**	<0.005	<0.005	<5	<5	<15	<10	198	**1,540**
	5/4/2005	<0.01	0.300	<0.002	<0.2	<0.005	<0.005	**11**	6.6	<15	<10	193	**1,560**
	8/17/2005	<0.01	0.254	<0.002	<0.2	<0.005	<0.005	<5	<5	<15	<10	204	**1,650**
	11/8/2005	0.0112	0.348	<0.002	<0.2	<0.005	<0.005	<5	<5	<15	<10	219	**1,700**
	9/29/2006	NA	NA	NA	NA	<0.005	NA	6.7	<5	<15	<5	205	**1,630**
	12/18/2006	0.0106	0.288	<0.005	<0.2	<0.005	<0.005	<5	<5	<15	<5	200	**1,490**
MW-53	12/9/1997	**29**	0.226	BDL	**21.9**	0.0175	**4.55**	BDL	BDL	BDL		BDL	BDL
	9/30/2002	**6.55**	0.376	0.0329	**3.37**	BDL	**3.37**	BDL	BDL	BDL		BDL	BDL
	12/26/2002	BDL	0.305	BDL	0.107	BDL	**1.98**	BDL	BDL	BDL		BDL	BDL
	8/11/2003	1.10	0.340	0.00782	**1.11**	BDL	**2.42**	BDL	BDL	BDL		68.5	**1,300**
	11/3/2003	BDL	0.404	0.00521	0.567	BDL	**1.99**	**47**	13	16		57.9	**1,180**
	1/12/2004	0.0111	0.396	0.0038	**1.40**	BDL	**0.778**	BDL	BDL	BDL		52.8	1
	4/12/2004	0.0412	0.287	BDL	BDL	BDL	**1.75**	BDL	BDL	BDL		48.5	**1,110**
	7/14/2004	0.0204	0.337	BDL	BDL	BDL	**1.76**	BDL	BDL	BDL		56.5	**943**
	2/21/2005	<0.01	0.331	0.00207	**1.11**	<0.005	**2.03**	<5	<5	<15	<10	145	**1,220**
	5/4/2005	0.0105	0.310	<0.002	<0.2	<0.005	**1.53**	5.5	6	<15	<10	112	**1,210**
	8/17/2005	<0.01	0.285	<0.002	<0.2	<0.005	**2.08**	<5	<5	<15	<10	79.2	**1,170**
	11/8/2005	0.0319	0.386	<0.002	<0.2	<0.005	**2.10**	<5	<5	<15	<10	94.5	**1,270**
	10/3/2006	NA	NA	NA	NA	<0.005	NA	**30**	20	24	<5	110	**1,220**
	12/18/2006	0.0340	0.327	<0.005	<0.2	<0.005	**2.36**	<5	<5	<15	<5	101	**1,240**
MW-54A	12/10/1997	4.34	0.187	BDL	**3.25**	BDL	**0.302**	BDL	BDL	BDL		BDL	BDL
	9/30/2002	0.376	0.287	0.521	BDL	**0.741**	**0.346**	BDL	BDL	BDL		BDL	BDL
	12/26/2002	BDL	0.234	BDL	0.355	BDL	**0.328**	BDL	BDL	BDL		BDL	BDL
	8/12/2003	0.281	0.309	0.00458	**1.25**	BDL	**0.427**	BDL	BDL	BDL		190	**604**
	11/3/2003	0.0269	BDL	0.00434	**1.03**	BDL	**0.481**	**12**	6.4	BDL		174	**629**
	1/12/2004	0.0227	0.305	0.695	**2.35**	BDL	**0.417**	BDL	BDL	BDL		170	**624**
	4/12/2004	0.0183	0.434	0.00237	0.257	BDL	**1.26**	BDL	BDL	BDL		**267**	**1,870**
	7/14/2004	BDL	0.337	BDL	0.387	BDL	**0.461**	BDL	BDL	BDL		173	**627**
	2/22/2005	<0.01	0.326	<0.002	**1.67**	<0.005	**0.440**	<5	<5	<15	<10	171	**687**
	5/4/2005	<0.01	0.269	<0.002	0.241	<0.005	**0.459**	6.9	6.2	<15	<10	182	**691**
	8/17/2005	0.018	0.263	<0.002	0.394	<0.005	**0.464**	<5	<5	<15	<10	202	**742**
	11/8/2005	0.0235	0.353	<0.002	0.520	<0.005	**0.476**	<5	<5	<15	<10	208	**749**
	9/29/2006	NA	NA	NA	NA	<0.005	NA	5.7	<5	<15	<5	**272**	**853**
	12/18/2006	0.0771	0.303	<0.005	0.228	<0.005	0.490	<5	<5	<15	<5	**280**	**656**
MW-55	12/10/1997	1.90	0.335	BDL	**1.32**	BDL	**0.212**	BDL	BDL	BDL		BDL	BDL
	10/1/2003	0.372	0.525	0.702	0.312	BDL	**0.430**	BDL	BDL	BDL		BDL	BDL
	12/26/2003	BDL	0.441	BDL	BDL	BDL	**0.412**	BDL	BDL	BDL		BDL	BDL
	8/12/2003	BDL	0.565	0.00685	0.936	BDL	**0.595**	BDL	BDL	BDL		**276**	**1,540**
	11/3/2003	0.0298	0.474	0.0072	0.766	BDL	**0.562**	**14**	6.7	BDL		**268**	**1,510**
	1/12/2004	0.0236	0.513	0.541	**2.20**	BDL	**0.488**	BDL	BDL	BDL		**258**	**1,470**
	4/12/2004	0.015	0.382	BDL	BDL	BDL	**0.425**	BDL	BDL	BDL		246	**1,440**
	7/14/2004	BDL	0.484	BDL	BDL	BDL	**0.485**	BDL	BDL	BDL		**290**	**1,560**
	2/21/2005	<0.01	0.602	0.00257	**1.61**	<0.005	**0.459**	<5	<5	<15	<10	**274**	**1,570**
	5/4/2005	<0.01	0.527	<0.002	<0.2	<0.005	**0.489**	5.1	5.3	<15	<10	**256**	**1,690**
	8/17/2005	0.0516	0.411	<0.002	<0.2	<0.005	**0.264**	<5	<5	<15	<10	**300**	**1,690**
	11/8/2005	0.0147	0.643	<0.002	<0.2	<0.005	**0.531**	<5	<5	<15	<10	**272**	**1,960**
	12/20/2006	0.0730	0.648	<0.005	<0.2	<0.005	**0.658**	<5	<5	<15	<5	**286**	**2,080**
MW-59	11/6/2003	0.261	0.242	0.00931	**1.12**	BDL	**0.523**	**370**	56	18		177	**1,600**
	1/12/2004	0.102	0.490	0.793	**4.81**	BDL	**0.688**	BDL	BDL	BDL		204	**1,630**
	2/1/2004	0.232	0.330	0.00579	**1.08**	BDL	**0.407**	**3,800**	380	**56**		168	**1,430**
	4/21/2004	BDL	0.271	0.00612	0.954	BDL	**0.346**	**190**	15	BDL		163	**1,630**
	7/19/2004	0.0143	0.229	BDL	0.301	BDL	**0.341**	**190**	35	BDL		143	**1,520**
	11/4/2004	BDL	0.321	BDL	**1.68**	BDL	**0.370**	**830**	85	BDL		158	**1,720**
	2/22/2005	<0.01	0.294	0.00356	**1.28**	<0.005	**0.303**	**500**	45	<15	<10	182	**1,420**
	5/5/2005	<0.01	0.250	0.00229	0.322	<0.005	**0.408**	**260**	27	<15	<10	178	**1,590**
	8/22/2005	0.039	0.310	<0.002	0.316	<0.005	**0.349**	**1,000**	98	**78**	<10	202	**1,430**
	11/8/2005	0.014	0.286	<0.002	0.432	<0.005	**0.378**	**260**	15	<15	<10	174	**1,630**

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TABLE 4-1
NCL/TEL GROUNDWATER WELL ANALYTICAL DATA

	Date	METALS (mg/L)						Volatiles (µg/L)			SEMIVOLATILES (µg/L)	ANIONS (mg/L)	
		Aluminum	Boron	Copper	Iron	Lead	Manganese	Benzene	Ethylbenzene	Xylenes	Naphthalene	Chloride	Sulfate
		GWStd	GWStd	GWStd	GWStd	WQCC	GWStd	WQCC	WQCC	WQCC	WQCC	GWStd	GWStd
		5	0.75	1	1	0.05	0.2	10	750	620	30	250	600
MW-60	11/6/2003	0.0892	0.404	0.0108	**2.27**	BDL	**0.764**	**27**	15	BDL		219	**1,540**
	4/13/2004	0.367	0.525	0.00795	**2.57**	BDL	**0.702**	**13**	5.4	BDL		186	**1,670**
	7/19/2004	0.028	0.477	BDL	**2.77**	BDL	**0.722**	**160**	120	BDL		181	**1,660**
	11/4/2004	0.051	0.418	BDL	**3.46**	BDL	**0.694**	9	7.2	BDL		171	**1,830**
	2/22/2005	0.0154	0.404	0.00384	**3.17**	<0.005	**0.647**	5.8	<5	<15	<10	164	**1,520**
	5/5/2005	0.0356	0.676	0.00575	**2.57**	<0.01	**0.615**	**210**	270	23	<10	243	**2,300**
	8/22/2005	<0.01	**0.754**	<0.002	**2.08**	<0.005	**0.604**	**100**	150	<15	<10	240	**2,290**
	11/8/2005	0.104	0.408	<0.002	**2.36**	<0.005	**0.676**	**38**	23	<15	17	182	**1,640**
TEL-1	12/10/1997	0.940	0.395	BDL	**1.10**	BDL	BDL	BDL	BDL	13.5		BDL	BDL
	10/1/2002	BDL	0.632	BDL	0.130	BDL	**0.0575**	**14**	3.63	11.7		BDL	BDL
	12/30/2002	BDL	0.605	BDL	0.114	BDL	**0.0591**	**19**	4.25	17.1		BDL	BDL
	8/13/2003	BDL	**0.795**	0.00327	**1.16**	BDL	**0.0796**	9.1	BDL	BDL		189	**1,780**
	11/13/2003	BDL	0.668	BDL	BDL	BDL	**0.108**	**20**	8.4	19		188	**1,970**
	2/2/2004	BDL	0.667	0.00276	0.417	BDL	**0.0613**	**34**	7.3	17		178	**1,320**
	4/21/2004	BDL	0.568	0.00409	0.868	BDL	**0.132**	**39**	6.8	17		195	**1,770**
	11/5/2004	BDL	0.627	BDL	**1.42**	BDL	**0.0893**	**11**	BDL	BDL		206	**1,120**
	2/23/2005	<0.05	0.530	<0.01	<1	<0.025	**0.152**	<5	<5	<15	<10	190	**1,600**
	5/5/2005	<0.01	0.413	0.00302	<0.2	<0.01	**0.172**	9.8	22	<15	<10	198	**1,820**
	8/29/2005	0.0124	0.519	<0.002	<0.2	<0.005	**0.198**	**16**	<5	18	<10	203	**1,810**
	11/9/2005	0.011	0.610	<0.002	<0.2	<0.005	**0.0791**	**14**	<5	16	<10	216	**946**
	12/20/2006	0.0310	0.550	<0.005	<0.2	<0.005	**0.192**	<5	<5	<15	<5	219	**1,600**
TEL-2	12/10/1997	0.975	0.384	BDL	**1.41**	0.0208	0.0358	**2,090**	176	**367**		BDL	BDL
	10/1/2002	BDL	0.657	BDL	BDL	BDL	0.0196	**1,120**	25.9	**203**		BDL	BDL
	12/30/2002	BDL	0.611	BDL	BDL	BDL	**17.1**	**1,290**	36.6	**214**		BDL	BDL
	8/13/2003	BDL	**0.881**	0.00399	0.779	BDL	0.0299	**1,100**	29	**200**		212	**802**
	11/11/2003	BDL	0.615	BDL	BDL	BDL	0.0183	**1,700**	39	**240**		233	572
	2/2/2004	BDL	0.739	0.00333	0.279	BDL	0.0244	**1,500**	45	**210**		202	**700**
	4/21/2004	BDL	0.664	0.00382	0.354	BDL	0.0306	**1,900**	54	**230**		196	**779**
	8/4/2004	BDL	0.611	0.00224	0.436	BDL	0.0264	**1,400**	40	**230**		208	**730**
	11/5/2004	BDL	0.584	BDL	0.574	BDL	0.0306	**1,500**	39	**220**		242	**842**
	2/23/2005	<0.05	0.604	<0.01	<1	<0.025	<0.025	**920**	52	**270**	22	222	582
	5/5/2005	<0.01	0.520	0.00555	<0.2	<0.005	0.0168	**1,200**	48	**250**	<10	231	**640**
	8/29/2005	0.0115	0.558	<0.002	<0.2	<0.005	0.0232	**1,300**	36	**270**	17	248	**681**
	11/9/2005	0.0138	0.629	<0.002	<0.2	<0.005	0.0342	**1,100**	35	**200**	<10	**311**	**678**
	12/20/2006	0.0135	0.483	<0.005	<0.2	<0.005	0.0295	**1,800**	45	**280**	**67**	**354**	**702**
TEL-3	12/10/1997	0.302	0.747	BDL	0.258	0.00373	BDL	**464**	48.9	**283**		BDL	BDL
	10/1/2002	BDL	**0.935**	0.102	BDL	BDL	BDL	**387**	13.8	**161**		BDL	BDL
	12/30/2002	BDL	**0.771**	BDL	BDL	BDL	BDL	**200**	12.6	**145**		BDL	BDL
	8/13/2003	BDL	**0.832**	0.00598	**2.28**	BDL	0.00901	**110**	8.4	**87**		113	**1,900**
	11/11/2003	BDL	0.727	0.00425	0.412	BDL	0.0141	**150**	13	**88**		72.4	**1,910**
	2/2/2004	0.0383	**0.799**	0.00345	0.602	BDL	BDL	**160**	**905**	**58**		137	**998**
	4/21/2004	0.032	0.589	0.00538	**1.03**	BDL	0.00784	**120**	11	**79**		80.6	**1,560**
	8/4/2004	BDL	0.578	0.00271	**1.49**	BDL	0.00992	**80**	BDL	**56**		80.8	**1,670**
	11/5/2004	BDL	0.493	BDL	**1.49**	BDL	0.00527	**78**	BDL	**46**		98.7	**1,730**
	2/23/2005	<0.05	0.541	<0.01	<1	<0.025	<0.025	**73**	<5	**53**	<10	85.4	**1,520**
	5/5/2005	<0.01	0.406	<0.002	<0.2	<0.005	0.00818	**110**	11	**62**	<10	63.6	**1,690**
	8/29/2005	<0.01	0.508	<0.002	<0.2	<0.005	0.0124	**73**	<5	**51**	<10	60.2	**1,750**
	11/9/2005	0.0101	0.687	<0.002	<0.2	<0.005	0.00581	**240**	5.1	**43**	<10	**274**	**1,170**
TEL-4	12/10/1997	0.586	0.396	BDL	**1.40**	0.00971	**0.880**	**141**	411	**163**		BDL	BDL
	10/1/2002	BDL	**0.756**	BDL	0.127	BDL	**0.390**	**28.4**	84.6	**147**		BDL	BDL
	12/30/2003	BDL	0.696	BDL	BDL	BDL	**0.205**	**2,110**	95.1	**250**		BDL	BDL
	8/13/2003	0.0129	0.714	0.00562	**1.85**	0.00317	**0.264**	**2,800**	190	**340**		**558**	188
	11/11/2003	BDL	**0.896**	BDL	BDL	BDL	**0.185**	**2,800**	180	**370**		**594**	128
	2/2/2004	0.0344	0.693	0.0177	0.451	BDL	**0.227**	**2,900**	200	**351**		**481**	198
	4/21/2004	0.0446	0.670	0.00656	0.560	BDL	**0.291**	**3,100**	190	**390**		**601**	**619**
	7/22/2004	BDL	0.568	0.00287	0.871	BDL	**0.390**	**820**	150	**290**		**413**	493
	11/4/2004	BDL	0.578	BDL	0.975	BDL	**0.509**	**530**	96	**200**		**416**	506
	2/23/2005	<0.05	0.602	<0.01	<1	<0.025	**0.375**	**1,500**	93	**250**	14	**484**	393
	5/5/2005	<0.01	0.446	0.0027	<0.2	<0.005	**0.537**	**220**	49	**140**	<10	**370**	486
	8/29/2005	<0.01	0.520	<0.002	0.277	<0.005	**0.597**	**160**	52	**140**	<10	**402**	472
	11/9/2005	<0.01	0.544	<0.002	0.383	<0.005	**0.641**	**160**	58	**120**	<10	**427**	410
	12/20/2006	0.386	**1.26**	<0.005	0.825	0.00518	**0.888**	**1,000**	70	**180**	14	**612**	**4,160**

WQCC = Water Quality Control Commission; concentration limits from RCRA Permit No. NMD048918817, Section 4.6.1.b.a.i.(b)

GWStd = Groundwater standard; maximum allowable concentration in groundwater from NMAC 20.6.2.3103 (used when WQCC and EPA levels have not been established)

mg/L = Milligrams per liter

µg/L = Micrograms per liter

Concentration above WQCC or GWStd.

5.0 MONITORING RESULTS AND CHEMICAL ANALYTICAL DATA - EVAPORATION PONDS

TABLE 5-1 contains the analytical results for the last six years of sampling events for this set of wells. None of these wells have exhibited concentrations of hydrocarbons above the WQCC limit. The levels of metals and anions occurring above the WQCC level are consistent between the wells. The laboratory analytical data sheets for 2006 are provided in ATTACHMENTS B and C.

FIGURE 3-1 contains the combined groundwater gradient map for the evaporation ponds and refinery. The overall direction appears to be toward the east or the Pecos River. Nothing of significance has changed.

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TABLE 5-1
EVAPORATION PONDS MONITORING WELL ANALYTICAL

	Date	Field Parameters			Metals (mg/L)						VOLATILES (µg/L)			ANIONS (mg/L)	
		pH	Cond.	Temp. °C	Arsenic	Boron	Cadmium	Chromium	Iron	Manganese	Benzene	Ethylbenzene	Xylenes	Chloride	Sulfate
					WQCC	GWStd	GWStd	WQCC	GWStd	GWStd	WQCC	WQCC	WQCC	GWStd	GWStd
					0.05	0.75	0.01	0.05	1	0.2	10	750	620	250	600
MW-1	6/25/2003	7.01	850	21	0.00584	0.369	BDL	**0.195**	**7.52**	**2.75**	BDL	BDL	BDL	**2,040**	**2,750**
	5/25/2005	7.91	2025	16.8	0.00856	0.344	<0.001	<0.002	**4.38**	**1.94**	<5	<5	<15	**1,440**	**2,380**
	10/4/2006	7.09	NA	NA	0.0120	NA	<0.002	<0.005	NA	NA	**15**	10	<15	**3,380**	**2,610**
	12/12/2006	7.15	NA	NA	0.0116	NA	<0.002	<0.005	NA	NA	<5	<5	<15	**3,070**	**2,410**
MW-2	7/6/2004	BDL	BDL	BDL	0.032	0.495	BDL	0.00564	**3.42**	**1.58**	BDL	BDL	BDL	**2,180**	**2,140**
	10/9/2006	6.99	NA	NA	0.0432	NA	<0.002	<0.005	NA	NA	<5	<5	<15	**7,290**	**4,360**
	12/14/2006	6.92	NA	NA	**0.0531**	0.502	<0.002	<0.005	8.23	2.87	<5	<5	<15	**6,770**	**4,020**
MW-3	5/31/2001	7.5	8100	20.8	0.032	0.410	BDL	BDL	**3.00**	**0.401**	BDL	BDL	BDL	**629**	**1,190**
	6/25/2003	6.91	900	20.8	**0.0535**	0.710	BDL	0.00237	**3.79**	**2.30**	BDL	BDL	BDL	**1,020**	**1,990**
	5/24/2005	8.19	2859	18.3	0.0403	0.672	<0.001	<0.002	**1.06**	**3.55**	7.8	<5	<15	**1,650**	**2,620**
	10/5/2006	6.83	NA	NA	0.0349	NA	<0.004	<0.01	NA	NA	7.6	6.7	<15	**1,110**	**2,230**
	12/14/2006	7.04	NA	NA	0.0359	0.692	<0.002	<0.005	0.574	1.36	<5	<5	<15	**1,090**	**2,350**
MW-4	7/6/2004	BDL	BDL	BDL	**0.124**	0.505	BDL	BDL	**4.71**	**1.58**	BDL	BDL	BDL	**923**	**1,370**
	10/6/2006	7.22	NA	NA	**0.0644**	NA	<0.002	<0.005	NA	NA	<5	<5	42	**1,070**	**1,620**
	12/14/2006	7.26	NA	NA	**0.0737**	0.402	<0.002	<0.005	1.64	1.50	<5	5.0	34	**1,080**	**1,430**
MW-5	5/31/2001	7.88	1100	21.2	**0.258**	0.650	**413**	BDL	**13**	**3.12**	BDL	BDL	BDL	**4,500**	**7,850**
	6/25/2003	6.89	750	21.2	0.0412	**1.93**	BDL	0.0141	**6.14**	**1.82**	BDL	BDL	BDL	**4,780**	**8,980**
	5/26/2005	7.78	1524	18	**0.0551**	NA	<0.05	<0.05	NA	NA	<100	NA	NA	NA	NA
	10/10/2006	7.00	NA	NA	**0.198**	NA	<0.002	**0.231**	NA	NA	9.1	<5	<15	**4,140**	**7,090**
	12/14/2006	7.06	NA	NA	**0.198**	**1.36**	<0.002	**0.0693**	**7.53**	**1.49**	<5	<5	<15	**4,200**	**7,200**
MW-6	7/6/2004	BDL	BDL	BDL	0.0352	0.394	BDL	BDL	**6.46**	**0.671**	BDL	BDL	BDL	**846**	**2,170**
	10/5/2006	7.47	NA	NA	0.0394	NA	<0.004	0.0269	NA	NA	<5	5.9	18	**1,120**	**1,480**
	12/14/2006	7.42	NA	NA	0.0309	0.354	<0.002	<0.005	0.675	**0.328**	<5	6.6	26	**1,080**	**1,610**
MW-7	5/31/2001	7.59	1310	21.3	**0.195**	0.610	BDL	BDL	**10**	**2.25**	BDL	BDL	BDL	**2,530**	**3,720**
	6/25/2003	6.79	1100	20.5	0.0329	**1.01**	BDL	0.0137	**8.60**	**0.502**	BDL	BDL	BDL	**2,490**	**3,210**
	5/26/2005	7.89	774	17.4	<0.05	NA	<0.05	<0.05	NA	NA	<100	NA	NA	NA	NA
	10/10/2006	7.07	NA	NA	0.0440	NA	<0.002	<0.005	NA	NA	9.6	<5	<15	**2,020**	**2,640**
	12/14/2006	7.14	NA	NA	0.0473	**0.778**	<0.002	0.0446	**5.49**	**0.410**	<5	<5	<15	**2,010**	**2,640**
OCD-1	5/31/2001	8.1	9000	21.6	**0.262**	0.460	BDL	BDL	**7.60**	**2.39**	BDL	BDL	BDL	**2,390**	**3,540**
	6/26/2003	7.01	1250	20.8	**0.112**	0.499	BDL	0.00166	**13.3**	**2.88**	BDL	BDL	BDL	**3,240**	**3,430**
	5/25/2005	7.87	3365	17.5	0.0396	0.407	<0.001	<0.002	**2.04**	**2.92**	<5	<5	<15	**5,370**	**3,740**
	10/4/2006	7.03	NA	NA	0.0479	NA	<0.01	**0.0508**	NA	NA	<5	<5	<15	**3,440**	**2,840**
	12/12/2006	7.09	NA	NA	0.0212	NA	<0.002	<0.005	NA	NA	<5	<5	<15	**3,420**	**2,770**
OCD-2	7/7/2004	BDL	BDL	BDL	BDL	0.455	BDL	BDL	**8.89**	**1.48**	BDL	BDL	BDL	**2,150**	**2,250**
	10/5/2006	7.08	NA	NA	0.0263	NA	<0.008	0.0316	NA	NA	<5	<5	<15	**2,670**	**2,490**
	12/12/2006	7.16	NA	NA	0.00855	NA	<0.002	<0.005	NA	NA	<5	<5	<15	**1,730**	**1,960**
OCD-3	5/31/2001	8.4	8950	20.4	0.012	**0.760**	BDL	BDL	**3.90**	**0.268**	BDL	BDL	BDL	**1,120**	**1,860**
	6/26/2003	6.81	900	20.9	0.00352	0.481	BDL	0.00108	**4.30**	**0.242**	BDL	BDL	BDL	**789**	**1,460**
	5/25/2005	7.98	2966	18.6	0.0106	0.644	<0.001	<0.002	**1.58**	**0.420**	<5	<5	<15	**1,640**	**2,170**
	10/5/2006	7.03	NA	NA	0.0286	NA	<0.004	0.0135	NA	NA	<5	<5	<15	**2,460**	**2,230**
	12/12/2006	7.06	NA	NA	0.0119	NA	<0.002	<0.005	NA	NA	<5	<5	<15	**2,400**	**2,170**
OCD-4	7/7/2004	BDL	BDL	BDL	BDL	**1.43**	BDL	BDL	**10.3**	**0.249**	BDL	BDL	BDL	**4,660**	**2,950**
	10/5/2006	7.17	NA	NA	0.0358	NA	<0.01	**0.0506**	NA	NA	<5	<5	<15	**9,490**	**5,810**
	12/12/2006	7.17	NA	NA	0.00957	NA	<0.002	<0.005	NA	NA	<5	<5	<15	**4,690**	**2,850**
OCD-5	5/31/2001	8.51	1000	19.9	0.026	**1.20**	BDL	BDL	**6.50**	**0.224**	BDL	BDL	BDL	**4,790**	**3,030**
	6/26/2003	6.88	1150	21	0.0059	**1.30**	BDL	0.000866	**7.14**	**0.259**	BDL	BDL	BDL	**4,790**	**3,080**
	5/25/2005	7.93	4087	17.8	0.0223	**1.06**	<0.001	<0.002	**4.16**	**0.382**	<5	<5	<15	**4,970**	**3,050**
	10/5/2006	7.17	NA	NA	0.0378	NA	<0.01	0.0495	NA	NA	<5	<5	<15	**5,000**	**3,010**
	12/12/2006	7.23	NA	NA	0.0102	NA	<0.002	<0.005	NA	NA	<5	<5	<15	**4,870**	**2,980**
OCD-6	7/6/2004	BDL	BDL	BDL	**0.109**	**0.759**	BDL	BDL	**11.9**	**2.44**	BDL	BDL	BDL	**3,380**	**4,300**
	10/11/2006	7.04	NA	NA	**0.0847**	NA	<0.002	<0.005	NA	NA	<5	<5	<15	**2,990**	**3,490**
	12/14/2006	7.03	NA	NA	**0.0964**	0.661	<0.002	<0.005	12.9	2.00	<5	<5	<15	**3,170**	**3,750**
OCD-7	6/4/2001	7.1	1100	21.2	**0.207**	**1.50**	BDL	BDL	**8.10**	**1.37**	BDL	BDL	BDL	**2,060**	**3,130**
	6/26/2003	6.92	1000	21.8	0.00436	0.678	0.000914	0.00374	**6.06**	**1.14**	BDL	BDL	BDL	**724**	**2,540**
	5/24/2005	8.42	2125	19.3	0.0102	0.449	<0.001	0.00785	**6.54**	**0.475**	8.0	5.8	<15	**871**	**1,960**
	10/11/2006	7.03	NA	NA	**0.398**	NA	<0.002	<0.005	NA	NA	<5	<5	<15	**2,250**	**3,370**
	12/14/2006	6.99	NA	NA	**0.315**	0.599	<0.002	<0.005	**10.1**	**4.03**	<5	<5	<15	**2,250**	**3,320**
OCD-8	7/7/2004	BDL	BDL	BDL	**0.0862**	**0.862**	BDL	0.00587	**11.1**	**3.45**	BDL	BDL	BDL	**2,450**	**3,500**
	10/11/2006	7.02	NA	NA	**0.120**	NA	<0.002	<0.005	NA	NA	<5	<5	<15	**2,920**	**3,900**
	12/14/2006	7.14	NA	NA	**0.104**	0.726	<0.002	<0.005	3.65	3.24	<5	<5	<15	**2,540**	**3,520**

WQCC = Water Quality Control Commission; concentration limits from RCRA Permit No. NMD048918817, Section 4.6.1.b.a.i.(b)

GWStd = Groundwater standard; maximum allowable concentration in groundwater from NMAC 20.6.2.3103 (used when WQCC and EPA levels have not been established)

mg/L = Milligrams per liter

µg/L = Micrograms per liter

NA = Not analyzed

Concentration above WQCC or GWStd.

6.0 REMEDIATION SYSTEM MONITORING - REVERSE OSMOSIS REJECT WATER

Navajo Refining discharged a total of ~122,778,000 gallons to the farms for irrigation during 2006. Since we started discharging the reverse osmosis (RO) reject water, we have discharged a total of ~1,562,944,000 gallons. This is broken down as follows: ~196,713,498 gallons have been put into Eagle Draw (stopped in December 1999) and ~1,366,131,000 gallons have been put on our farms.

TABLE 6.1 is provided for the chemicals of concern above the WQCC standards. Chloride and sulfate were found to be above the WQCC standard. This is expected as most all of the groundwater wells in this area are above the WQCC standard. The laboratory analytical reports for the RO Reject sampling are provided in ATTACHMENT D.

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TABLE 6-1
REVERSE OSMOSIS REJECT WATER ANALYTICAL DATA

	Date	METALS (mg/L)						Volatiles (µg/L)				SEMIVOLATILES (µg/L)	ANIONS (mg/L)	
		Aluminum	Boron	Copper	Iron	Lead	Manganese	Benzene	Ethylbenzene	Xylenes	Tetrachloroethene	Naphthalene	Chloride	Sulfate
		GWStd	GWStd	GWStd	GWStd	WQCC	GWStd	WQCC	WQCC	WQCC	WQCC	WQCC	GWStd	GWStd
		5	0.75	1	1	0.05	0.2	5	700	620	5	30	250	600
South	12/27/2004	<0.01	0.0710	0.00586	<0.2	<0.005	<0.005	<5	<5	<10	<5	<10	233	**1660**
Effluent	1/16/2007	<0.01	0.0568	<0.005	<0.2	<0.005	<0.005	NA	NA	NA	NA	NA	**515**	**2160**

WQCC = Water Quality Control Commission; concentration limits from RCRA Permit No. NMD048918817, Section 4.6.1.b.a.i.(b)

GWStd = Groundwater standard; maximum allowable concentration in groundwater from NMAC 20.6.2.3103 (used when WQCC and EPA levels have not been established)

mg/L = Milligrams per liter µg/L = Micrograms per liter NS = Not Analyzed **Concentration** above WQCC or GWStd.

7.0 MONITORING RESULTS AND CHEMICAL ANALYTICAL DATA - IRRIGATION WELL ANALYSIS

Seven irrigation wells were sampled during the Annual Groundwater Sampling event. A summary of the analytical results are provided in TABLE 7-1. No hydrocarbon contaminants were detected above the WQCC levels. The metals and anions are consistent between wells. In the past, a well has occasionally exhibited hydrocarbon constituents. It has been believed that these relatively low level hits are attributed to the operators oiling the pumps and bearings. The laboratory analytical reports for 2006 are provided in ATTACHMENTS B and C.

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TABLE 7-1
IRRIGATION WELL ANALYTICAL

	Date	METALS (mg/L)			ANIONS (mg/L)	
		Boron	Iron	Manganese	Chloride	Sulfate
		GWStd	GWStd	GWStd	GWStd	GWStd
		0.75	1	0.2	250	600
RA 304	6/7/2004	0.0844	0.828	0.0216	222	**1,110**
RA 307	7/8/2003	BDL	0.876	0.00206	146	**1,130**
	8/6/2003	BDL	**1.05**	0.0587	152	**2,360**
	9/15/2003	BDL	**4.20**	0.0831	153	**1,090**
	5/12/2004	0.0795	BDL	BDL	**661**	**1,180**
	7/12/2004	0.0963	**3.19**	BDL	**274**	**1,080**
	8/23/2004	0.102	**1.07**	BDL	240	**1,070**
	5/4/2005	0.0677	<0.2	<0.005	**858**	**1,240**
	6/20/2005	0.0857	<0.2	<0.005	**322**	**1,180**
	7/29/2005	0.0757	<0.2	<0.005	**347**	**1,080**
	8/15/2005	0.0727	0.254	<0.005	**257**	**1,080**
	9/28/2005	0.0899	0.245	<0.005	**371**	**1,120**
RA 313	7/17/2003	BDL	**2.08**	0.0432	17	534
	8/7/2003	BDL	0.810	0.0256	207	507
	6/7/2004	0.0426	0.345	BDL	16.5	534
	7/22/2004	0.0523	0.607	BDL	15.6	481
	8/3/2004	0.0448	0.498	BDL	15.7	447
	6/24/2005	0.0433	<0.2	<0.005	18.1	490
	7/14/2005	0.0903	<0.2	<0.005	17.0	486
	8/15/2005	0.0358	<0.2	<0.005	15.1	487
RA 314	7/8/2003	BDL	0.901	BDL	225	**690**
	8/18/2003	BDL	**1.12**	0.0012	79.2	578
	6/7/2004	0.0458	0.413	BDL	238	**687**
	7/12/2004	0.0427	**2.00**	BDL	220	**628**
	8/23/2004	0.0537	0.703	BDL	232	**644**
	9/7/2004	0.0502	**1.08**	BDL	202	584
	5/4/2005	0.0423	0.473	0.0116	123	559
	7/22/2005	0.0437	**1.91**	0.030	57.9	511
	10/19/2006	NA	NA	NA	34.0	486
	12/28/2006	NA	NA	NA	245	**615**
RA 1227	7/2/2003	BDL	**2.02**	BDL	130	**1,580**
	8/6/2003	BDL	**1.17**	0.00265	121	**1,500**
	6/23/2004	BDL	0.00891	BDL	128	**1,350**
	7/12/2004	0.254	**3.66**	BDL	124	**1,350**
	8/3/2004	0.217	0.944	BDL	120	**1,350**
	6/9/2005	0.194	<0.2	0.00713	240	**1,580**
	6/20/2005	0.212	<0.2	<0.005	124	**1,470**
	7/14/2005	0.266	<0.2	<0.005	132	**1,530**
	8/15/2005	0.226	<0.2	<0.005	118	**1,460**
RA 3156	7/21/2003	BDL	**2.15**	0.0179	232	**1,720**
	8/29/2003	BDL	**4.14**	0.0238	236	**1,600**
	9/29/2003	BDL	**6.09**	0.180	236	**1,650**
	5/24/2004	0.111	BDL	0.0294	166	**1,080**
	6/28/2004	BDL	**1.59**	0.0097	226	**1,510**
	7/14/2004	0.216	BDL	0.00646	207	**1,440**
	8/16/2004	0.213	**1.69**	BDL	213	**1,470**
	9/16/2004	0.226	**1.42**	BDL	**250**	**1,850**
	7/22/2005	0.218	<0.2	<0.005	209	**1,490**
	8/8/2005	0.186	<0.2	<0.005	237	**1,550**
	9/29/2005	0.174	0.252	<0.005	228	**1,570**
	10/19/2006	NA	NA	NA	249	**1,590**
	12/28/2006	NA	NA	NA	122	**1,470**
RA 3333	6/28/2004	0.101	**1.11**	BDL	168	**1,040**
	7/22/2004	0.110	**2.48**	BDL	152	**954**
	8/23/2004	0.113	**1.31**	BDL	174	**1,060**
	6/9/2005	0.107	<0.2	0.00741	188	**1,190**
	7/29/2005	0.0954	0.532	0.0956	188	**1,100**
	8/29/2005	0.0793	**1.95**	**0.531**	194	**1,090**
	9/29/2005	0.0925	**1.04**	0.0876	192	**1,010**
RA 3353	4/24/2003	BDL	BDL	BDL	BDL	BDL
	7/21/2003	BDL	**1.50**	0.00705	170	**1,180**
	8/18/2003	BDL	**2.37**	0.0121	169	**1,080**
	9/29/2003	BDL	**1.89**	0.00838	173	**1,210**
	10/19/2006	NA	NA	NA	201	**977**
	12/28/2006	NA	NA	NA	202	**919**

ARCADIS

TABLE 7-1
IRRIGATION WELL ANALYTICAL

	Date	METALS (mg/L)			ANIONS (mg/L)	
		Boron	Iron	Manganese	Chloride	Sulfate
		GWStd 0.75	GWStd 1	GWStd 0.2	GWStd 250	GWStd 600
RA 3356	5/24/2004	0.201	**1.60**	0.017	216	**1,420**
RA 3723	10/19/2006	NA	NA	NA	15.0	414
	12/28/2006	NA	NA	NA	14.1	388
RA 4196	7/8/2003	BDL	**5.70**	0.175	**305**	**1,400**
	8/18/2003	BDL	**11.3**	**0.282**	217	**1,390**
	9/15/2003	BDL	**13.7**	**0.223**	198	**1,450**
	5/12/2004	0.199	**1.59**	BDL	130	**1,480**
	7/27/2004	0.152	**4.91**	0.0688	198	**1,260**
	8/25/2004	0.177	**6.36**	0.0816	162	**1,320**
	9/7/2004	0.0675	**22.8**	**0.336**	**272**	**1,240**
	9/22/2004	0.148	**4.93**	0.0888	144	**1,300**
	5/5/2005	0.172	**3.54**	0.0724	188	**1,310**
	6/20/2005	0.0979	**3.64**	0.0862	**301**	**1,350**
	9/28/2005	0.139	**2.72**	0.0711	198	**1,320**
	10/19/2006	NA	NA	NA	**260**	**1,350**
	12/28/2006	NA	NA	NA	**265**	**1,300**
RA 4798	3/6/2003	BDL	BDL	BDL	BDL	BDL
	4/9/2003	BDL	BDL	BDL	BDL	BDL
	6/29/2003	BDL	BDL	BDL	BDL	BDL
	7/17/2003	BDL	**1.10**	0.00365	145	**1,720**
	8/18/2003	BDL	**3.21**	0.0066	138	**1,560**
	9/15/2003	BDL	**7.46**	0.0378	148	**1,580**
	5/12/2004	0.0844	**3.54**	0.0441	**653**	**1,380**
	6/28/2004	BDL	**5.50**	0.0173	208	**1,470**
	7/27/2004	0.183	**14.8**	0.0267	132	**1,390**
	8/25/2004	0.208	**3.63**	0.00929	133	**1,380**
	9/22/2004	0.171	**2.06**	0.0133	129	**1,380**
	6/20/2005	0.162	0.207	0.00737	130	**1,400**
	7/29/2005	0.156	**1.43**	0.00865	126	**1,320**
	8/29/2005	0.158	**4.64**	0.00972	133	**1,350**
	9/28/2005	0.188	**2.67**	0.0206	135	**1,390**
	10/19/2006	NA	NA	NA	134	**1,310**
	12/28/2006	NA	NA	NA	135	**1,280**
La Rue	7/2/2003	BDL	**2.29**	0.0218	112	**1,480**
	8/29/2003	BDL	**2.47**	0.00899	122	**1,430**
	9/29/2003	BDL	**2.32**	0.0108	120	**1,460**
	6/23/2004	BDL	0.829	0.00918	119	**1,350**
	7/14/2004	0.252	BDL	0.00703	111	**1,330**
	8/16/2004	0.252	**1.56**	0.00722	108	**1,350**
	9/16/2004	0.248	**1.73**	0.00919	112	**1,540**
	6/9/2005	0.220	0.320	0.0112	123	**1,490**
	7/22/2005	0.242	**5.83**	0.0562	115	**1,420**
	8/8/2005	0.208	0.204	0.00618	120	**1,460**
	9/29/2005	0.202	0.505	0.00804	118	**1,450**
	10/19/2006	NA	NA	NA	122	**1,500**
	12/15/2006	0.198	0.442	0.0246	244	**1,600**

WQCC = Water Quality Control Commission; concentration limits from RCRA Permit No. NMD048918817, Section 4.6.1.b.a.i.(b)

GWStd = Groundwater standard; maximum allowable concentration in groundwater from NMAC 20.6.2.3103 (used when WQCC and EPA levels have not been established)

mg/L = Milligrams per liter

Concentration above WQCC or GWStd.

8.0 SUMMARY

The amount of phase-separated product on the groundwater is being effectively reduced. The recovery trench product production in the plant has been drastically reduced. Two recovery trenches on Bolton Road (RW-13 and RW-14) continue to catch and remove a thin hydrocarbon plume. Phase-separated hydrocarbons have sporatically been detected in monitoring well KWB-8 downgradient from the Bolton Road recovery trenches and removed when noted. The dissolved phase plume appears to be mostly stable or diminishing. As a result of the reduced phase-separated hydrocarbons and effective spill abatement, the volatile organic constituents have been reduced as well.

ATTACHMENT A

2006 QUARTERLY RECOVERY TRENCH PRODUCTION REPORTS

RECOVERY WELLS OIL DATA

1st Quarterly REPORTING PERIOD : Jan 1 - Mar 27

WELL#	OLD READING	NEW READING	OIL OUTPUT	GPM	GPD
RW-1	39600	39600	0	0	0
RW-2	18085	18085	0	0	0
RW-3	0	0	0	0	0
RW-4	35060	35060	0	0	0
RW-5	32296	32296	0	0	0
RW-6	226022	229412	3390	0.34	484
RW-7	67	67	0	0	0
RW-8	63318	63318	0	0	0
RW-9	0	0	0	0	0
RW-10	0	0	0	0	0
RW-11	1216	1216	0	0	0
RW-12	15	15	0	0	0
RW-13	52999	53484	485	0.05	69
RW-14	150573	151004	431	0.04	62
RW-15	59841	59852	11	0.00	2
RW-16	0	0	0	0	0
RW-17	0	0	0	0	0
RW-18	0	0	0	0	0
	TOTAL OIL IN GALLONS		4317	0	617

NOTES: TOTAL OIL IN GALLONS 4317
TOTAL OIL IN BARRELS 103

CLOCK SETTING 30 MINUTES 24 TIMES DAILY
GPM = Gallons per minute
GPD = Gallons per day

RECOVERY WELLS WATER DATA

1st Quarterly REPORTING PERIOD: Jan 1 - Mar 27

WELL#	OLD READING	NEW READING	TOTAL	GPM	GPD
RW-1	508	508	0	0	0
RW-2	1008	1008	0	0	0
RW-3	0	0	0	0	0
RW-4	1001	1005	4800	0.5	686
RW-5	1086	1086	0	0	0
RW-6	1397	2010	735264	72.9	105038
RW-7	20921	20921	0	0	0
RW-8	2091	2093	2400	0.2	343
RW-9	552	552	0	0	0
RW-10	258	258	0	0	0
RW-11	774	774	0	0	0
RW-12	13039	13039	0	0	0
RW-13	29640	29771	157200	15.6	22457
RW-14	31127	31127	0	0	0
RW-15	2586	2623	44400	4.4	6343
RW-16	0	0	0	0	0
RW-17	0	0	0	0	0
RW-18	0	0	0	0	0
			944064	94	134866

NOTES: Volume of water produced is estimated based on time pumped and not actual flow.
GPM = Gallons per minute
GPD = Gallons per day

RECOVERY WELLS OIL DATA

2nd Quarterly REPORTING PERIOD : Mar 27 - Jun 26

WELL#	OLD READING	NEW READING	OIL OUTPUT	GPM	GPD
RW-1	39600	39600	0	0	0
RW-2	18085	18085	0	0	0
RW-3	0	0	0	0	0
RW-4	35060	35060	0	0	0
RW-5	32296	32296	0	0	0
RW-6	229412	229412	0	0	0
RW-7	67	67	0	0	0
RW-8	63318	63318	0	0	0
RW-9	0	0	0	0	0
RW-10	0	0	0	0	0
RW-11	1216	1216	0	0	0
RW-12	15	15	0	0	0
RW-13	53484	53484	0	0	0
RW-14	151004	151004	0	0	0
RW-15	59852	59852	0	0	0
RW-16	0	0	0	0	0
RW-17	0	0	0	0	0
RW-18	0	0	0	0	0
	TOTAL OIL IN GALLONS		0	0	0

TOTAL OIL IN GALLONS 0
TOTAL OIL IN BARRELS 0

CLOCK SETTING 30 MINUTES 24 TIMES DAILY
GPM = Gallons per minute
GPD = Gallons per day

RECOVERY WELLS WATER DATA

2nd Quarterly REPORTING PERIOD: Mar 27 - Jun 26

WELL#	OLD READING	NEW READING	TOTAL	GPM	GPD
RW-1	508	508	0	0	0
RW-2	1008	1008	0	0	0
RW-3	0	0	0	0	0
RW-4	1005	1005	0	0	0
RW-5	1086	1086	0	0	0
RW-6	2010	2010	0	0	0
RW-7	20921	20921	0	0	0
RW-8	2093	2093	0	0	0
RW-9	552	552	0	0	0
RW-10	258	258	0	0	0
RW-11	774	774	0	0	0
RW-12	13039	13039	0	0	0
RW-13	29771	29835	76800	7.6	10971
RW-14	31127	31128	1200	0.1	171
RW-15	2623	2623	0	0	0
RW-16	0	0	0	0	0
RW-17	0	0	0	0	0
RW-18	0	0	0	0	0
			78000	8	11143

NOTES: Volume of water produced is estimated based on time pumped and not actual flow.
GPM = Gallons per minute
GPD = Gallons per day

RECOVERY WELLS OIL DATA

3rd Quarterly REPORTING PERIOD : Jun 26 - Oct 1

WELL#	OLD READING	NEW READING	OIL OUTPUT	GPM	GPD
RW-1	39600	39600	0	0	0
RW-2	18085	18085	0	0	0
RW-3	0	0	0	0	0
RW-4	35060	35060	0	0	0
RW-5	32296	32296	0	0	0
RW-6	229412	229412	0	0	0
RW-7	67	67	0	0	0
RW-8	63318	63318	0	0	0
RW-9	0	0	0	0	0
RW-10	0	0	0	0	0
RW-11	1216	1216	0	0	0
RW-12	15	15	0	0	0
RW-13	53484	53484	0	0	0
RW-14	151004	151004	0	0	0
RW-15	59852	59852	0	0	0
RW-16	0	0	0	0	0
RW-17	0	0	0	0	0
RW-18	0	0	0	0	0
	TOTAL OIL IN GALLONS		0	0	0

NOTES: TOTAL OIL IN GALLONS 0
TOTAL OIL IN BARRELS 0

CLOCK SETTING 30 MINUTES 24 TIMES DAILY
GPM = Gallons per minute
GPD = Gallons per day

RECOVERY WELLS WATER DATA

3rd Quarterly REPORTING PERIOD: Jun 26 - Oct 1

WELL#	OLD READING	NEW READING	TOTAL	GPM	GPD
RW-1	508	508	0	0	0
RW-2	1008	1008	0	0	0
RW-3	0	0	0	0	0
RW-4	1005	1005	0	0	0
RW-5	1086	1086	0	0	0
RW-6	2010	8014	7204896	714.8	1029271
RW-7	20921	20921	0	0	0
RW-8	2093	2093	0	0	0
RW-9	552	553	1200	0.1	171
RW-10	258	258	0	0	0
RW-11	774	774	0	0	0
RW-12	13039	13039	0	0	0
RW-13	29835	29838	3600	0.4	514
RW-14	31128	31128	0	0	0
RW-15	2623	2623	0	0	0
RW-16	0	0	0	0	0
RW-17	0	0	0	0	0
RW-18	0	0	0	0	0
			7209696	715	1029957

NOTES: Volume of water produced is estimated based on time pumped and not actual flow.
GPM = Gallons per minute
GPD = Gallons per day

RECOVERY WELLS OIL DATA

4th Quarterly REPORTING PERIOD : Oct 1 - Dec 24

WELL#	OLD READING	NEW READING	OIL OUTPUT	GPM	GPD
RW-1	39600	39600	0	0	0
RW-2	18085	18085	0	0	0
RW-3	0	0	0	0	0
RW-4	35060	35060	0	0	0
RW-5	32296	32296	0	0	0
RW-6	229412	229412	0	0	0
RW-7	67	67	0	0	0
RW-8	63318	63318	0	0	0
RW-9	0	0	0	0	0
RW-10	0	0	0	0	0
RW-11	1216	1216	0	0	0
RW-12	15	15	0	0	0
RW-13	53484	53484	0	0	0
RW-14	151004	151004	0	0	0
RW-15	59852	59852	0	0	0
RW-16	0	0	0	0	0
RW-17	0	0	0	0	0
RW-18	0	0	0	0	0
	TOTAL OIL IN GALLONS		0	0	0

NOTES: TOTAL OIL IN GALLONS 0
TOTAL OIL IN BARRELS 0

CLOCK SETTING 30 MINUTES 24 TIMES DAILY
GPM = Gallons per minute
GPD = Gallons per day

RECOVERY WELLS WATER DATA

4th Quarterly REPORTING PERIOD: Oct 1 - Dec 24

WELL#	OLD READING	NEW READING	TOTAL	GPM	GPD
RW-1	508	542	40800	4.0	5829
RW-2	1008	1053	54000	5.4	7714
RW-3	0	0	0	0	0
RW-4	1005	1262	308400	30.6	44057
RW-5	1086	1086	0	0	0
RW-6	8014	8014	0	0	0
RW-7	20921	20921	0	0	0
RW-8	2093	2245	182400	18.1	26057
RW-9	553	553	0	0	0
RW-10	258	258	0	0	0
RW-11	774	775	1200	0.1	171
RW-12	13039	13039	0	0	0
RW-13	29838	29902	76800	7.6	10971
RW-14	31128	31298	204000	20	29143
RW-15	2623	2623	0	0	0
RW-16	0	0	0	0	0
RW-17	0	0	0	0	0
RW-18	0	0	0	0	0
			867600	86	123943

NOTES: Volume of water produced is estimated based on time pumped and not actual flow.
GPM = Gallons per minute
GPD = Gallons per day

ATTACHMENT B

CHEMICAL ANALYTICAL REPORTS - 2006 1ST SEMI-ANNUAL

e-Lab Analytical, Inc.

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

October 13, 2006

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

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

Re: Navajo Artesia

Work Order : **0609473**

Dear Darrell Moore,

e-Lab Analytical, Inc. received 10 samples on 9/30/2006 8:55:00 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 63.

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

ACCREDITED IN ACCORDANCE WITH nelac

Certificate No: T104704231-06-TX

e-Lab Analytical, Inc.

Date: *October 13, 2006*

CLIENT: Navajo Refining Company
Project: Navajo Artesia
Work Order: **0609473**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
0609473-01	MW #45	Water		9/29/2006 07:55	9/30/2006 08:55	☐
0609473-02	MW #56	Water		9/29/2006 08:40	9/30/2006 08:55	☐
0609473-03	NCL #33	Water		9/29/2006 09:20	9/30/2006 08:55	☐
0609473-04	NCL #49	Water		9/29/2006 10:05	9/30/2006 08:55	☐
0609473-05	MW #54A	Water		9/29/2006 10:29	9/30/2006 08:55	☐
0609473-06	MW #20	Water		9/29/2006 13:40	9/30/2006 08:55	☐
0609473-07	KWB #9	Water		9/29/2006 14:35	9/30/2006 08:55	☐
0609473-08	Duplicate	Water		9/29/2006	9/30/2006 08:55	☐
0609473-09	Field Blank	Water		9/29/2006 10:40	9/30/2006 08:55	☐
0609473-10	Equipment Blank	Water		9/29/2006 10:45	9/30/2006 08:55	☐

e-Lab Analytical, Inc. **Date:** *October 13, 2006*

CLIENT: Navajo Refining Company
Project: Navajo Artesia
Work Order: 0609473

Case Narrative

Batch's 20103 and 20104 Metals MS/MSD were unrelated samples.

Batch R42549 Volatiles LCS recovery was below the control limits for Methylene chloride (71.7%). This is considered a SME (Sporadic Marginal Exceedence) which is accepted in the SOP at e-Lab Analytical. The MS/MSD was an unrelated sample.

Batch R42471 Anions (sample MW #54A) MS/MSD recoveries were below the control limits for Chloride (29.3% and 33.33%). Recoveries were E/O-flagged.

Batch's R42541, R42543, and R42550 Anions MS/MSD were unrelated samples.

e-Lab Analytical, Inc.

Date: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-01

Client Sample ID: MW #45
Collection Date: 9/29/2006 7:55:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/2/2006**	Analyst: **JFT**
TPH (Diesel Range)	**0.36**		**0.050**	**mg/L**	1	10/4/2006 7:12:00 AM
Surr: 2-Fluorobiphenyl	*119*		*60-140*	*%REC*	1	10/4/2006 7:12:00 AM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/9/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/9/2006 4:41:59 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/3/2006**	Analyst: **ALR**
Arsenic	**0.00504**		**0.00500**	**mg/L**	1	10/5/2006 7:35:00 AM
Barium	**0.0253**		**0.00500**	**mg/L**	1	10/5/2006 7:35:00 AM
Cadmium	**0.00102**		**0.00100**	**mg/L**	1	10/5/2006 7:35:00 AM
Chromium	**0.00528**		**0.00200**	**mg/L**	1	10/5/2006 7:35:00 AM
Lead	**0.0281**		**0.00500**	**mg/L**	1	10/5/2006 7:35:00 AM
Magnesium	**226**		**10.0**	**mg/L**	50	10/6/2006 3:30:00 AM
Potassium	**4.97**		**0.200**	**mg/L**	1	10/5/2006 7:35:00 AM
Selenium	ND		0.00500	mg/L	1	10/5/2006 7:35:00 AM
Silver	ND		0.00500	mg/L	1	10/5/2006 7:35:00 AM
Sodium	**375**		**10.0**	**mg/L**	50	10/6/2006 3:30:00 AM
Vanadium	ND		0.00500	mg/L	1	10/5/2006 7:35:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
1,2,4-Trimethylbenzene	**5.0**		**5.0**	**µg/L**	1	10/10/2006 12:44:00 AM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
2-Butanone	ND		10	µg/L	1	10/10/2006 12:44:00 AM
2-Hexanone	ND		10	µg/L	1	10/10/2006 12:44:00 AM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 12:44:00 AM
Acetone	ND		10	µg/L	1	10/10/2006 12:44:00 AM
Benzene	**16**		**5.0**	**µg/L**	1	10/10/2006 12:44:00 AM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Bromoform	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 12:44:00 AM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-01

Client Sample ID: MW #45
Collection Date: 9/29/2006 7:55:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Chloroform	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Ethylbenzene	**5.3**		**5.0**	**µg/L**	1	10/10/2006 12:44:00 AM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
m,p-Xylene	**11**		**10**	**µg/L**	1	10/10/2006 12:44:00 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Methylene chloride	ND		10	µg/L	1	10/10/2006 12:44:00 AM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Styrene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Toluene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 12:44:00 AM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 12:44:00 AM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 12:44:00 AM
Surr: 1,2-Dichloroethane-d4	*108*		*70-125*	*%REC*	1	10/10/2006 12:44:00 AM
Surr: 4-Bromofluorobenzene	*110*		*72.4-125*	*%REC*	1	10/10/2006 12:44:00 AM
Surr: Dibromofluoromethane	*114*		*71.2-125*	*%REC*	1	10/10/2006 12:44:00 AM
Surr: Toluene-d8	*114*		*75-125*	*%REC*	1	10/10/2006 12:44:00 AM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**185**		**5.00**	**mg/L**	10	10/5/2006 10:17:00 AM
Fluoride	**2.24**		**0.100**	**mg/L**	1	10/5/2006 4:26:00 AM
Sulfate	**2,080**		**50.0**	**mg/L**	50	10/6/2006 8:11:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/4/2006 2:56:00 PM
Surr: Selenate (surr)	*97.9*		*80-120*	*%REC*	10	10/5/2006 10:17:00 AM
Surr: Selenate (surr)	*97.4*		*80-120*	*%REC*	1	10/5/2006 4:26:00 AM
Surr: Selenate (surr)	*99.2*		*80-120*	*%REC*	50	10/6/2006 8:11:00 AM
Surr: Selenate (surr)	*97.6*		*80-120*	*%REC*	5	10/4/2006 2:56:00 PM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**334**		**5.00**	**mg/L**	1	10/4/2006

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: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-01

Client Sample ID: MW #45
Collection Date: 9/29/2006 7:55:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/4/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/4/2006
Alkalinity, Total (As CaCO3)	**334**		**5.00**	**mg/L**	1	10/4/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**3,820**		**10.0**	**mg/L**	1	10/2/2006

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: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-02

Client Sample ID: MW #56
Collection Date: 9/29/2006 8:40:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/2/2006**	Analyst: **JFT**
TPH (Diesel Range)	**0.41**		**0.050**	**mg/L**	1	10/4/2006 7:51:00 AM
Surr: 2-Fluorobiphenyl	*127*		*60-140*	*%REC*	1	10/4/2006 7:51:00 AM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/9/2006**	Analyst: **JCJ**
Mercury	ND		*0.000200*	mg/L	1	10/9/2006 4:43:58 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/3/2006**	Analyst: **ALR**
Arsenic	**0.00809**		**0.00500**	**mg/L**	1	10/5/2006 7:41:00 AM
Barium	**0.0158**		**0.00500**	**mg/L**	1	10/5/2006 7:41:00 AM
Cadmium	ND		0.00100	mg/L	1	10/5/2006 7:41:00 AM
Chromium	ND		0.00200	mg/L	1	10/5/2006 7:41:00 AM
Lead	ND		0.00500	mg/L	1	10/5/2006 7:41:00 AM
Magnesium	**261**		**10.0**	**mg/L**	50	10/6/2006 3:36:00 AM
Potassium	**2.10**		**0.200**	**mg/L**	1	10/5/2006 7:41:00 AM
Selenium	ND		0.00500	mg/L	1	10/5/2006 7:41:00 AM
Silver	ND		0.00500	mg/L	1	10/5/2006 7:41:00 AM
Sodium	**287**		**10.0**	**mg/L**	50	10/6/2006 3:36:00 AM
Vanadium	**0.0232**		**0.00500**	**mg/L**	1	10/5/2006 7:41:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
2-Butanone	ND		10	µg/L	1	10/10/2006 3:02:00 AM
2-Hexanone	ND		10	µg/L	1	10/10/2006 3:02:00 AM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 3:02:00 AM
Acetone	ND		10	µg/L	1	10/10/2006 3:02:00 AM
Benzene	**9.9**		**5.0**	**µg/L**	1	10/10/2006 3:02:00 AM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Bromoform	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 3:02:00 AM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-02

Client Sample ID: MW #56
Collection Date: 9/29/2006 8:40:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Chloroform	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Ethylbenzene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 3:02:00 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Methylene chloride	ND		10	µg/L	1	10/10/2006 3:02:00 AM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Styrene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Toluene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 3:02:00 AM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 3:02:00 AM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 3:02:00 AM
Surr: 1,2-Dichloroethane-d4	*108*		*70-125*	*%REC*	1	10/10/2006 3:02:00 AM
Surr: 4-Bromofluorobenzene	*111*		*72.4-125*	*%REC*	1	10/10/2006 3:02:00 AM
Surr: Dibromofluoromethane	*121*		*71.2-125*	*%REC*	1	10/10/2006 3:02:00 AM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	1	10/10/2006 3:02:00 AM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**300**		**5.00**	**mg/L**	10	10/5/2006 10:39:00 AM
Fluoride	**1.29**		**0.100**	**mg/L**	1	10/5/2006 4:48:00 AM
Sulfate	**1,860**		**50.0**	**mg/L**	50	10/6/2006 8:33:00 AM
Nitrate/Nitrite (as N)	**0.655**		**0.500**	**mg/L**	5	10/4/2006 3:39:00 PM
Surr: Selenate (surr)	*99.1*		*80-120*	*%REC*	10	10/5/2006 10:39:00 AM
Surr: Selenate (surr)	*96.5*		*80-120*	*%REC*	1	10/5/2006 4:48:00 AM
Surr: Selenate (surr)	*98.7*		*80-120*	*%REC*	50	10/6/2006 8:33:00 AM
Surr: Selenate (surr)	*97.9*		*80-120*	*%REC*	5	10/4/2006 3:39:00 PM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**407**		**5.00**	**mg/L**	1	10/4/2006

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: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-02

Client Sample ID: MW #56
Collection Date: 9/29/2006 8:40:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/4/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/4/2006
Alkalinity, Total (As CaCO3)	**407**		**5.00**	**mg/L**	1	10/4/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**3,690**		**10.0**	**mg/L**	1	10/2/2006

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: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-03

Client Sample ID: NCL #33
Collection Date: 9/29/2006 9:20:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/2/2006**	Analyst: **JFT**
TPH (Diesel Range)	ND		0.050	mg/L	1	10/4/2006 8:30:00 AM
Surr: 2-Fluorobiphenyl	*111*		*60-140*	*%REC*	1	10/4/2006 8:30:00 AM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/9/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/9/2006 4:45:58 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/3/2006**	Analyst: **ALR**
Arsenic	**0.00527**		**0.00500**	**mg/L**	1	10/5/2006 7:47:00 AM
Barium	**0.0288**		**0.00500**	**mg/L**	1	10/5/2006 7:47:00 AM
Cadmium	ND		0.00100	mg/L	1	10/5/2006 7:47:00 AM
Chromium	**0.0140**		**0.00200**	**mg/L**	1	10/5/2006 7:47:00 AM
Lead	**0.00620**		**0.00500**	**mg/L**	1	10/5/2006 7:47:00 AM
Magnesium	**128**		**0.200**	**mg/L**	1	10/5/2006 7:47:00 AM
Potassium	**3.88**		**0.200**	**mg/L**	1	10/5/2006 7:47:00 AM
Selenium	ND		0.00500	mg/L	1	10/5/2006 7:47:00 AM
Silver	ND		0.00500	mg/L	1	10/5/2006 7:47:00 AM
Sodium	**80.9**		**0.200**	**mg/L**	1	10/5/2006 7:47:00 AM
Vanadium	ND		0.00500	mg/L	1	10/5/2006 7:47:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
2-Butanone	ND		10	µg/L	1	10/10/2006 1:11:00 AM
2-Hexanone	ND		10	µg/L	1	10/10/2006 1:11:00 AM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 1:11:00 AM
Acetone	ND		10	µg/L	1	10/10/2006 1:11:00 AM
Benzene	**11**		**5.0**	**µg/L**	1	10/10/2006 1:11:00 AM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Bromoform	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 1:11:00 AM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-03

Client Sample ID: NCL #33
Collection Date: 9/29/2006 9:20:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Chloroform	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Ethylbenzene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 1:11:00 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Methylene chloride	ND		10	µg/L	1	10/10/2006 1:11:00 AM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Styrene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Toluene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 1:11:00 AM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 1:11:00 AM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 1:11:00 AM
Surr: 1,2-Dichloroethane-d4	*104*		*70-125*	*%REC*	1	10/10/2006 1:11:00 AM
Surr: 4-Bromofluorobenzene	*111*		*72.4-125*	*%REC*	1	10/10/2006 1:11:00 AM
Surr: Dibromofluoromethane	*117*		*71.2-125*	*%REC*	1	10/10/2006 1:11:00 AM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	1	10/10/2006 1:11:00 AM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**327**		**5.00**	**mg/L**	10	10/5/2006 11:01:00 AM
Fluoride	**2.60**		**0.100**	**mg/L**	1	10/5/2006 5:10:00 AM
Sulfate	**844**		**50.0**	**mg/L**	50	10/6/2006 8:55:00 AM
Nitrate/Nitrite (as N)	**0.688**		**0.500**	**mg/L**	5	10/4/2006 4:23:00 PM
Surr: Selenate (surr)	*98.2*		*80-120*	*%REC*	10	10/5/2006 11:01:00 AM
Surr: Selenate (surr)	*96.9*		*80-120*	*%REC*	1	10/5/2006 5:10:00 AM
Surr: Selenate (surr)	*99.4*		*80-120*	*%REC*	50	10/6/2006 8:55:00 AM
Surr: Selenate (surr)	*97.7*		*80-120*	*%REC*	5	10/4/2006 4:23:00 PM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**557**		**5.00**	**mg/L**	1	10/4/2006

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: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-03

Client Sample ID: NCL #33
Collection Date: 9/29/2006 9:20:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/4/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/4/2006
Alkalinity, Total (As CaCO3)	**557**		**5.00**	**mg/L**	1	10/4/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**2,520**		**10.0**	**mg/L**	1	10/2/2006

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: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-04

Client Sample ID: NCL #49
Collection Date: 9/29/2006 10:05:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/2/2006**	Analyst: **JFT**
TPH (Diesel Range)	**1.1**		**0.050**	**mg/L**	1	10/4/2006 9:09:00 AM
Surr: 2-Fluorobiphenyl	*129*		*60-140*	*%REC*	1	10/4/2006 9:09:00 AM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/9/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/9/2006 4:52:04 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/3/2006**	Analyst: **ALR**
Arsenic	ND		0.00500	mg/L	1	10/5/2006 7:53:00 AM
Barium	**0.0180**		**0.00500**	**mg/L**	1	10/5/2006 7:53:00 AM
Cadmium	ND		0.00100	mg/L	1	10/5/2006 7:53:00 AM
Chromium	ND		0.00200	mg/L	1	10/5/2006 7:53:00 AM
Lead	ND		0.00500	mg/L	1	10/5/2006 7:53:00 AM
Magnesium	**174**		**0.200**	**mg/L**	1	10/5/2006 7:53:00 AM
Potassium	**0.710**		**0.200**	**mg/L**	1	10/5/2006 7:53:00 AM
Selenium	**0.00852**		**0.00500**	**mg/L**	1	10/5/2006 7:53:00 AM
Silver	ND		0.00500	mg/L	1	10/5/2006 7:53:00 AM
Sodium	**112**		**0.200**	**mg/L**	1	10/5/2006 7:53:00 AM
Vanadium	**0.0108**		**0.00500**	**mg/L**	1	10/5/2006 7:53:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
2-Butanone	ND		10	µg/L	1	10/10/2006 1:40:00 AM
2-Hexanone	ND		10	µg/L	1	10/10/2006 1:40:00 AM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 1:40:00 AM
Acetone	ND		10	µg/L	1	10/10/2006 1:40:00 AM
Benzene	**6.7**		**5.0**	**µg/L**	1	10/10/2006 1:40:00 AM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Bromoform	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 1:40:00 AM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-04

Client Sample ID: NCL #49
Collection Date: 9/29/2006 10:05:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Chloroform	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Ethylbenzene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 1:40:00 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Methylene chloride	ND		10	µg/L	1	10/10/2006 1:40:00 AM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Styrene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Toluene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 1:40:00 AM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 1:40:00 AM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 1:40:00 AM
Surr: 1,2-Dichloroethane-d4	*109*		*70-125*	*%REC*	1	10/10/2006 1:40:00 AM
Surr: 4-Bromofluorobenzene	*113*		*72.4-125*	*%REC*	1	10/10/2006 1:40:00 AM
Surr: Dibromofluoromethane	*117*		*71.2-125*	*%REC*	1	10/10/2006 1:40:00 AM
Surr: Toluene-d8	*117*		*75-125*	*%REC*	1	10/10/2006 1:40:00 AM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**205**		**5.00**	**mg/L**	10	10/5/2006 11:22:00 AM
Fluoride	**0.502**		**0.100**	**mg/L**	1	10/5/2006 5:32:00 AM
Sulfate	**1,630**		**50.0**	**mg/L**	50	10/6/2006 10:32:00 PM
Nitrate/Nitrite (as N)	**10.4**		**0.500**	**mg/L**	5	10/4/2006 6:35:00 PM
Surr: Selenate (surr)	*98.4*		*80-120*	*%REC*	10	10/5/2006 11:22:00 AM
Surr: Selenate (surr)	*97.7*		*80-120*	*%REC*	1	10/5/2006 5:32:00 AM
Surr: Selenate (surr)	*100*		*80-120*	*%REC*	50	10/6/2006 10:32:00 PM
Surr: Selenate (surr)	*97.4*		*80-120*	*%REC*	5	10/4/2006 6:35:00 PM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**201**		**5.00**	**mg/L**	1	10/4/2006

Qualifiers:

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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: *October 13, 2006*

CLIENT:	Navajo Refining Company	**Client Sample ID:**	NCL #49
Work Order:	0609473	**Collection Date:**	9/29/2006 10:05:00 AM
Project:	Navajo Artesia		
Lab ID:	0609473-04	**Matrix:**	WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/4/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/4/2006
Alkalinity, Total (As CaCO3)	**201**		**5.00**	**mg/L**	1	10/4/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**2,970**		**10.0**	**mg/L**	1	10/2/2006

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-05

Client Sample ID: MW #54A
Collection Date: 9/29/2006 10:29:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/2/2006**	Analyst: **JFT**
TPH (Diesel Range)	**0.48**		**0.050**	**mg/L**	1	10/4/2006 9:49:00 AM
Surr: 2-Fluorobiphenyl	*123*		*60-140*	*%REC*	1	10/4/2006 9:49:00 AM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/9/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/9/2006 4:54:06 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/3/2006**	Analyst: **ALR**
Arsenic	ND		0.00500	mg/L	1	10/6/2006 6:16:00 PM
Barium	**0.0243**		**0.00500**	**mg/L**	1	10/6/2006 6:16:00 PM
Cadmium	ND		0.00100	mg/L	1	10/6/2006 6:16:00 PM
Chromium	ND		0.00200	mg/L	1	10/6/2006 6:16:00 PM
Lead	ND		0.00500	mg/L	1	10/5/2006 3:19:00 AM
Magnesium	**132**		**2.00**	**mg/L**	10	10/10/2006 7:52:00 PM
Potassium	**0.297**		**0.200**	**mg/L**	1	10/6/2006 6:16:00 PM
Selenium	ND		0.00500	mg/L	1	10/6/2006 6:16:00 PM
Silver	ND		0.00500	mg/L	1	10/6/2006 6:16:00 PM
Sodium	**52.1**		**2.00**	**mg/L**	10	10/10/2006 7:52:00 PM
Vanadium	**0.0112**		**0.00500**	**mg/L**	1	10/6/2006 6:16:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
2-Butanone	ND		10	µg/L	1	10/10/2006 2:08:00 AM
2-Hexanone	ND		10	µg/L	1	10/10/2006 2:08:00 AM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 2:08:00 AM
Acetone	ND		10	µg/L	1	10/10/2006 2:08:00 AM
Benzene	**5.7**		**5.0**	**µg/L**	1	10/10/2006 2:08:00 AM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Bromoform	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 2:08:00 AM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-05

Client Sample ID: MW #54A
Collection Date: 9/29/2006 10:29:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Chloroform	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Ethylbenzene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 2:08:00 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Methylene chloride	ND		10	µg/L	1	10/10/2006 2:08:00 AM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Styrene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Toluene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 2:08:00 AM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 2:08:00 AM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 2:08:00 AM
Surr: 1,2-Dichloroethane-d4	*107*		*70-125*	*%REC*	1	10/10/2006 2:08:00 AM
Surr: 4-Bromofluorobenzene	*112*		*72.4-125*	*%REC*	1	10/10/2006 2:08:00 AM
Surr: Dibromofluoromethane	*118*		*71.2-125*	*%REC*	1	10/10/2006 2:08:00 AM
Surr: Toluene-d8	*115*		*75-125*	*%REC*	1	10/10/2006 2:08:00 AM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**272**		**5.00**	**mg/L**	10	10/5/2006 11:44:00 AM
Fluoride	**0.809**		**0.100**	**mg/L**	1	10/5/2006 5:54:00 AM
Sulfate	**853**		**50.0**	**mg/L**	50	10/6/2006 10:54:00 PM
Nitrate/Nitrite (as N)	**3.23**		**0.500**	**mg/L**	5	10/4/2006 7:18:00 PM
Surr: Selenate (surr)	*98.9*		*80-120*	*%REC*	10	10/5/2006 11:44:00 AM
Surr: Selenate (surr)	*97.4*		*80-120*	*%REC*	1	10/5/2006 5:54:00 AM
Surr: Selenate (surr)	*102*		*80-120*	*%REC*	50	10/6/2006 10:54:00 PM
Surr: Selenate (surr)	*98.2*		*80-120*	*%REC*	5	10/4/2006 7:18:00 PM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**444**		**5.00**	**mg/L**	1	10/4/2006

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

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-05

Client Sample ID: MW #54A
Collection Date: 9/29/2006 10:29:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/4/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/4/2006
Alkalinity, Total (As CaCO3)	**444**		**5.00**	**mg/L**	1	10/4/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**2,240**		**10.0**	**mg/L**	1	10/2/2006

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: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-06

Client Sample ID: MW #20
Collection Date: 9/29/2006 1:40:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/2/2006**	Analyst: **JFT**
TPH (Diesel Range)	ND		0.050	mg/L	1	10/4/2006 10:28:00 AM
Surr: 2-Fluorobiphenyl	*114*		*60-140*	*%REC*	1	10/4/2006 10:28:00 AM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/9/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/9/2006 4:33:52 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/3/2006**	Analyst: **ALR**
Arsenic	ND		0.0100	mg/L	2	10/6/2006 6:22:00 PM
Barium	ND		0.0100	mg/L	2	10/6/2006 6:22:00 PM
Cadmium	ND		0.00200	mg/L	2	10/6/2006 6:22:00 PM
Chromium	ND		0.00400	mg/L	2	10/6/2006 6:22:00 PM
Lead	ND		0.00500	mg/L	1	10/5/2006 3:25:00 AM
Magnesium	**589**		**20.0**	**mg/L**	100	10/10/2006 7:58:00 PM
Potassium	**0.535**		**0.400**	**mg/L**	2	10/6/2006 6:22:00 PM
Selenium	**0.0170**		**0.0100**	**mg/L**	2	10/6/2006 6:22:00 PM
Silver	ND		0.0100	mg/L	2	10/6/2006 6:22:00 PM
Sodium	**335**		**20.0**	**mg/L**	100	10/10/2006 7:58:00 PM
Vanadium	**0.0506**		**0.0100**	**mg/L**	2	10/6/2006 6:22:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
2-Butanone	ND		10	µg/L	1	10/10/2006 3:30:00 AM
2-Hexanone	ND		10	µg/L	1	10/10/2006 3:30:00 AM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 3:30:00 AM
Acetone	ND		10	µg/L	1	10/10/2006 3:30:00 AM
Benzene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Bromoform	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 3:30:00 AM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-06

Client Sample ID: MW #20
Collection Date: 9/29/2006 1:40:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Chloroform	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Ethylbenzene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 3:30:00 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Methylene chloride	ND		10	µg/L	1	10/10/2006 3:30:00 AM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Styrene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Toluene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 3:30:00 AM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 3:30:00 AM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 3:30:00 AM
Surr: 1,2-Dichloroethane-d4	*110*		*70-125*	*%REC*	1	10/10/2006 3:30:00 AM
Surr: 4-Bromofluorobenzene	*111*		*72.4-125*	*%REC*	1	10/10/2006 3:30:00 AM
Surr: Dibromofluoromethane	*117*		*71.2-125*	*%REC*	1	10/10/2006 3:30:00 AM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	1	10/10/2006 3:30:00 AM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**534**		**50.0**	**mg/L**	100	10/6/2006 11:38:00 PM
Fluoride	**2.65**		**0.100**	**mg/L**	1	10/5/2006 7:21:00 AM
Sulfate	**3,250**		**100**	**mg/L**	100	10/6/2006 11:38:00 PM
Nitrate/Nitrite (as N)	**2.55**		**0.500**	**mg/L**	5	10/4/2006 8:02:00 PM
Surr: Selenate (surr)	*95.5*		*80-120*	*%REC*	1	10/5/2006 7:21:00 AM
Surr: Selenate (surr)	*102*		*80-120*	*%REC*	100	10/6/2006 11:38:00 PM
Surr: Selenate (surr)	*97.0*		*80-120*	*%REC*	5	10/4/2006 8:02:00 PM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**263**		**5.00**	**mg/L**	1	10/4/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/4/2006

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: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-06

Client Sample ID: MW #20
Collection Date: 9/29/2006 1:40:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/4/2006
Alkalinity, Total (As CaCO3)	**263**		**5.00**	**mg/L**	1	10/4/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**6,010**		**10.0**	**mg/L**	1	10/2/2006

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: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-07

Client Sample ID: KWB #9
Collection Date: 9/29/2006 2:35:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/2/2006**	Analyst: **JFT**
TPH (Diesel Range)	ND		0.050	mg/L	1	10/4/2006 11:08:00 AM
Surr: 2-Fluorobiphenyl	*108*		*60-140*	*%REC*	1	10/4/2006 11:08:00 AM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/9/2006**	Analyst: **JCJ**
Mercury	ND		*0.000200*	mg/L	1	10/9/2006 4:56:07 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/3/2006**	Analyst: **ALR**
Arsenic	ND		0.00500	mg/L	1	10/6/2006 6:28:00 PM
Barium	**0.0102**		**0.00500**	**mg/L**	1	10/6/2006 6:28:00 PM
Cadmium	ND		0.00100	mg/L	1	10/6/2006 6:28:00 PM
Chromium	ND		0.00200	mg/L	1	10/6/2006 6:28:00 PM
Lead	ND		0.00500	mg/L	1	10/5/2006 3:31:00 AM
Magnesium	**184**		**2.00**	**mg/L**	10	10/10/2006 8:04:00 PM
Potassium	**0.750**		**0.200**	**mg/L**	1	10/6/2006 6:28:00 PM
Selenium	ND		0.00500	mg/L	1	10/6/2006 6:28:00 PM
Silver	ND		0.00500	mg/L	1	10/6/2006 6:28:00 PM
Sodium	**156**		**2.00**	**mg/L**	10	10/10/2006 8:04:00 PM
Vanadium	**0.00735**		**0.00500**	**mg/L**	1	10/6/2006 6:28:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
2-Butanone	ND		10	µg/L	1	10/10/2006 2:35:00 AM
2-Hexanone	ND		10	µg/L	1	10/10/2006 2:35:00 AM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 2:35:00 AM
Acetone	ND		10	µg/L	1	10/10/2006 2:35:00 AM
Benzene	**7.7**		**5.0**	**µg/L**	1	10/10/2006 2:35:00 AM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Bromoform	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 2:35:00 AM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-07

Client Sample ID: KWB #9
Collection Date: 9/29/2006 2:35:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Chloroform	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Ethylbenzene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 2:35:00 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Methylene chloride	ND		10	µg/L	1	10/10/2006 2:35:00 AM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Styrene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Toluene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 2:35:00 AM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 2:35:00 AM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 2:35:00 AM
Surr: 1,2-Dichloroethane-d4	*106*		*70-125*	*%REC*	1	10/10/2006 2:35:00 AM
Surr: 4-Bromofluorobenzene	*109*		*72.4-125*	*%REC*	1	10/10/2006 2:35:00 AM
Surr: Dibromofluoromethane	*118*		*71.2-125*	*%REC*	1	10/10/2006 2:35:00 AM
Surr: Toluene-d8	*114*		*75-125*	*%REC*	1	10/10/2006 2:35:00 AM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**194**		**5.00**	**mg/L**	10	10/6/2006 7:06:00 AM
Fluoride	**0.301**		**0.100**	**mg/L**	1	10/5/2006 7:43:00 AM
Sulfate	**1,440**		**50.0**	**mg/L**	50	10/6/2006 11:16:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/5/2006 12:03:00 AM
Surr: Selenate (surr)	*98.5*		*80-120*	*%REC*	1	10/5/2006 7:43:00 AM
Surr: Selenate (surr)	*99.1*		*80-120*	*%REC*	10	10/6/2006 7:06:00 AM
Surr: Selenate (surr)	*100*		*80-120*	*%REC*	50	10/6/2006 11:16:00 PM
Surr: Selenate (surr)	*98.5*		*80-120*	*%REC*	5	10/5/2006 12:03:00 AM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**449**		**5.00**	**mg/L**	1	10/4/2006

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: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-07

Client Sample ID: KWB #9
Collection Date: 9/29/2006 2:35:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/4/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/4/2006
Alkalinity, Total (As CaCO3)	**449**		**5.00**	**mg/L**	1	10/4/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**2,720**		**10.0**	**mg/L**	1	10/2/2006

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: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-08

Client Sample ID: Duplicate
Collection Date: 9/29/2006
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/2/2006**	Analyst: **JFT**
TPH (Diesel Range)	ND		0.050	mg/L	1	10/4/2006 11:48:00 AM
Surr: 2-Fluorobiphenyl	*106*		*60-140*	*%REC*	1	10/4/2006 11:48:00 AM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/9/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/9/2006 4:58:09 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/3/2006**	Analyst: **ALR**
Arsenic	ND		0.00500	mg/L	1	10/6/2006 6:40:00 PM
Barium	**0.0102**		**0.00500**	**mg/L**	1	10/6/2006 6:40:00 PM
Cadmium	ND		0.00100	mg/L	1	10/6/2006 6:40:00 PM
Chromium	ND		0.00200	mg/L	1	10/6/2006 6:40:00 PM
Lead	ND		0.00500	mg/L	1	10/5/2006 3:37:00 AM
Magnesium	**184**		**2.00**	**mg/L**	10	10/10/2006 8:10:00 PM
Potassium	**0.719**		**0.200**	**mg/L**	1	10/6/2006 6:40:00 PM
Selenium	ND		0.00500	mg/L	1	10/6/2006 6:40:00 PM
Silver	ND		0.00500	mg/L	1	10/6/2006 6:40:00 PM
Sodium	**156**		**2.00**	**mg/L**	10	10/10/2006 8:10:00 PM
Vanadium	**0.00778**		**0.00500**	**mg/L**	1	10/6/2006 6:40:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
2-Butanone	ND		10	µg/L	1	10/10/2006 12:16:00 AM
2-Hexanone	ND		10	µg/L	1	10/10/2006 12:16:00 AM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 12:16:00 AM
Acetone	ND		10	µg/L	1	10/10/2006 12:16:00 AM
Benzene	**7.8**		**5.0**	**µg/L**	1	10/10/2006 12:16:00 AM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Bromoform	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 12:16:00 AM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM

Qualifiers:

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

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-08

Client Sample ID: Duplicate
Collection Date: 9/29/2006
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Chloroform	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Ethylbenzene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 12:16:00 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Methylene chloride	ND		10	µg/L	1	10/10/2006 12:16:00 AM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Styrene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Toluene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 12:16:00 AM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 12:16:00 AM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 12:16:00 AM
Surr: 1,2-Dichloroethane-d4	*111*		*70-125*	*%REC*	1	10/10/2006 12:16:00 AM
Surr: 4-Bromofluorobenzene	*110*		*72.4-125*	*%REC*	1	10/10/2006 12:16:00 AM
Surr: Dibromofluoromethane	*121*		*71.2-125*	*%REC*	1	10/10/2006 12:16:00 AM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	1	10/10/2006 12:16:00 AM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**186**		**25.0**	**mg/L**	50	10/7/2006 11:00:00 PM
Fluoride	**0.324**		**0.100**	**mg/L**	1	10/7/2006
Sulfate	**1,270**		**50.0**	**mg/L**	50	10/7/2006 11:00:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/5/2006 1:09:00 AM
Surr: Selenate (surr)	*97.5*		*80-120*	*%REC*	1	10/7/2006
Surr: Selenate (surr)	*98.9*		*80-120*	*%REC*	50	10/7/2006 11:00:00 PM
Surr: Selenate (surr)	*99.6*		*80-120*	*%REC*	5	10/5/2006 1:09:00 AM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**439**		**5.00**	**mg/L**	1	10/4/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/4/2006

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

e-Lab Analytical, Inc.

Date: *October 13, 2006*

CLIENT:	Navajo Refining Company	**Client Sample ID:**	Duplicate
Work Order:	0609473	**Collection Date:**	9/29/2006
Project:	Navajo Artesia		
Lab ID:	0609473-08	**Matrix:**	WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/4/2006
Alkalinity, Total (As CaCO3)	**439**		**5.00**	**mg/L**	1	10/4/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**2,720**		**10.0**	**mg/L**	1	10/2/2006

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: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-09

Client Sample ID: Field Blank
Collection Date: 9/29/2006 10:40:00 AM
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	10/9/2006 7:40:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
2-Butanone	ND		10	µg/L	1	10/9/2006 7:40:00 PM
2-Hexanone	ND		10	µg/L	1	10/9/2006 7:40:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/9/2006 7:40:00 PM
Acetone	ND		10	µg/L	1	10/9/2006 7:40:00 PM
Benzene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Bromoform	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Bromomethane	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Carbon disulfide	ND		10	µg/L	1	10/9/2006 7:40:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Chloroethane	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Chloroform	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Chloromethane	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
m,p-Xylene	ND		10	µg/L	1	10/9/2006 7:40:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Methylene chloride	ND		10	µg/L	1	10/9/2006 7:40:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Naphthalene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
o-Xylene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Styrene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-09

Client Sample ID: Field Blank
Collection Date: 9/29/2006 10:40:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Toluene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/9/2006 7:40:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/9/2006 7:40:00 PM
Xylenes, Total	ND		15	µg/L	1	10/9/2006 7:40:00 PM
Surr: 1,2-Dichloroethane-d4	*106*		*70-125*	*%REC*	1	10/9/2006 7:40:00 PM
Surr: 4-Bromofluorobenzene	*114*		*72.4-125*	*%REC*	1	10/9/2006 7:40:00 PM
Surr: Dibromofluoromethane	*113*		*71.2-125*	*%REC*	1	10/9/2006 7:40:00 PM
Surr: Toluene-d8	*114*		*75-125*	*%REC*	1	10/9/2006 7:40:00 PM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-10

Client Sample ID: Equipment Blank
Collection Date: 9/29/2006 10:45:00 AM
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	10/9/2006 8:08:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
2-Butanone	ND		10	µg/L	1	10/9/2006 8:08:00 PM
2-Hexanone	ND		10	µg/L	1	10/9/2006 8:08:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/9/2006 8:08:00 PM
Acetone	ND		10	µg/L	1	10/9/2006 8:08:00 PM
Benzene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Bromoform	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Bromomethane	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Carbon disulfide	ND		10	µg/L	1	10/9/2006 8:08:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Chloroethane	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Chloroform	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Chloromethane	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
m,p-Xylene	ND		10	µg/L	1	10/9/2006 8:08:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Methylene chloride	ND		10	µg/L	1	10/9/2006 8:08:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Naphthalene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
o-Xylene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Styrene	ND		5.0	µg/L	1	10/9/2006 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: *October 13, 2006*

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia
Lab ID: 0609473-10

Client Sample ID: Equipment Blank
Collection Date: 9/29/2006 10:45:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Toluene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/9/2006 8:08:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/9/2006 8:08:00 PM
Xylenes, Total	ND		15	µg/L	1	10/9/2006 8:08:00 PM
Surr: 1,2-Dichloroethane-d4	*105*		*70-125*	*%REC*	1	10/9/2006 8:08:00 PM
Surr: 4-Bromofluorobenzene	*111*		*72.4-125*	*%REC*	1	10/9/2006 8:08:00 PM
Surr: Dibromofluoromethane	*113*		*71.2-125*	*%REC*	1	10/9/2006 8:08:00 PM
Surr: Toluene-d8	*114*		*75-125*	*%REC*	1	10/9/2006 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.

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia

Date: *Oct 13 2006*

QC BATCH REPORT

Batch ID: **20090** Instrument ID **FID-2** Method: **SW8015M**

MBLK Sample ID: **FBLKW3-061002** Units: **mg/L** Analysis Date: **10/04/06 5:15**
Client ID: Run ID: **FID-2_061002C** SeqNo: **970080** Prep Date: **10/2/2006** 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	*0.06441*	0.010	*0.05*	0	*129*	*60-140*	0			

LCS Sample ID: **FLCSW3-061002** Units: **mg/L** Analysis Date: **10/04/06 5:54**
Client ID: Run ID: **FID-2_061002C** SeqNo: **970081** Prep Date: **10/2/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	0.5033	0.050	0.5	0	101	60-140	0			
Surr: 2-Fluorobiphenyl	*0.05481*	0.010	*0.05*	0	*110*	*60-140*	0			

LCSD Sample ID: **FLCSDW3-061002** Units: **mg/L** Analysis Date: **10/04/06 6:33**
Client ID: Run ID: **FID-2_061002C** SeqNo: **970082** Prep Date: **10/2/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	0.5643	0.050	0.5	0	113	60-140	0.5033	11.4	20	
Surr: 2-Fluorobiphenyl	*0.05885*	0.010	*0.05*	0	*118*	*60-140*	0.05481	*7.09*	*20*	

The following samples were analyzed in this batch:

0609473-01F	0609473-02F	0609473-03F
0609473-04F	0609473-05F	0609473-06F
0609473-07F	0609473-08F	

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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20103** Instrument ID **ICPMS02** Method: **SW6020**

MBLK Sample ID: **MBLKW2-100306** Units: **mg/L** Analysis Date: **10/05/06 23:56**

Client ID: Run ID: **ICPMS02_061006A** SeqNo: **964619** Prep Date: **10/3/2006** 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								
Cadmium	0.0003326	0.0020								J
Chromium	ND	0.0050								
Lead	0.0003214	0.0050								J
Magnesium	ND	0.20								
Potassium	ND	0.20								
Selenium	ND	0.0050								
Silver	ND	0.0050								
Sodium	ND	0.20								
Vanadium	ND	0.0050								

LCS Sample ID: **MLCSW2-100306** Units: **mg/L** Analysis Date: **10/06/06 0:02**

Client ID: Run ID: **ICPMS02_061006A** SeqNo: **964620** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04987	0.0050	0.05	0	99.7	80-121	0			
Barium	0.04811	0.0050	0.05	0	96.2	79.8-119	0			
Cadmium	0.05163	0.0020	0.05	0	103	79.1-119	0			
Chromium	0.05137	0.0050	0.05	0	103	79.3-121	0			
Lead	0.05161	0.0050	0.05	0	103	80-118	0			
Magnesium	5.189	0.20	5	0	104	80-120	0			
Potassium	5.162	0.20	5	0	103	80-120	0			
Selenium	0.04877	0.0050	0.05	0	97.5	79.2-118	0			
Silver	0.0465	0.0050	0.05	0	93	80-117	0			
Sodium	5.14	0.20	5	0	103	80.6-119	0			
Vanadium	0.05163	0.0050	0.05	0	103	82.1-119	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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20103** Instrument ID **ICPMS02** Method: **SW6020**

MS Sample ID: **0609454-02FMS** Units: **mg/L** Analysis Date: **10/05/06 4:31**

Client ID: Run ID: **ICPMS02_061004A** SeqNo: **963797** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05327	0.0050	0.05	0.003523	99.5	80-121	0			
Barium	0.1029	0.0050	0.05	0.05345	98.9	79.8-119	0			
Cadmium	0.04977	0.0020	0.05	0.0001649	99.2	79.1-119	0			
Chromium	0.04801	0.0050	0.05	0.0008841	94.3	79.3-121	0			
Lead	0.05781	0.0050	0.05	0.00669	102	80-118	0			
Magnesium	224.6	0.20	5	240.5	-318	80-120	0			SEO
Potassium	5.348	0.20	5	0.5557	95.8	80-120	0			
Selenium	0.01604	0.0050	0.05	0.0007961	30.5	79.2-118	0			S
Silver	0.046	0.0050	0.05	0.00009874	91.8	80-117	0			
Sodium	159.4	0.20	5	169.2	-196	80.6-119	0			SO
Vanadium	0.04987	0.0050	0.05	0.001519	96.7	82.1-119	0			

MSD Sample ID: **0609454-02FMSD** Units: **mg/L** Analysis Date: **10/05/06 4:37**

Client ID: Run ID: **ICPMS02_061004A** SeqNo: **963798** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05153	0.0050	0.05	0.003523	96	80-121	0.05327	3.32	15	
Barium	0.1037	0.0050	0.05	0.05345	100	79.8-119	0.1029	0.774	15	
Cadmium	0.04927	0.0020	0.05	0.0001649	98.2	79.1-119	0.04977	1.01	15	
Chromium	0.04681	0.0050	0.05	0.0008841	91.9	79.3-121	0.04801	2.53	15	
Lead	0.05758	0.0050	0.05	0.00669	102	80-118	0.05781	0.399	15	
Magnesium	217.3	0.20	5	240.5	-464	80-120	224.6	3.3	15	SEO
Potassium	5.2	0.20	5	0.5557	92.9	80-120	5.348	2.81	15	
Selenium	0.01438	0.0050	0.05	0.0007961	27.2	79.2-118	0.01604	10.9	15	S
Silver	0.04596	0.0050	0.05	0.00009874	91.7	80-117	0.046	0.087	15	
Sodium	155.2	0.20	5	169.2	-280	80.6-119	159.4	2.67	15	SO
Vanadium	0.04838	0.0050	0.05	0.001519	93.7	82.1-119	0.04987	3.03	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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20103** Instrument ID **ICPMS02** Method: **SW6020**

DUP Sample ID: **0609454-02FDUP** Units: **mg/L** Analysis Date: **10/06/06 0:20**

Client ID: Run ID: **ICPMS02_061006A** SeqNo: **964623** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.002989	0.0050	0	0	0	0-0	0.003523	0	25	J
Barium	0.05348	0.0050	0	0	0	0-0	0.05345	0.0561	25	
Cadmium	ND	0.0020	0	0	0	0-0	0.0001649	0	25	
Chromium	0.0007562	0.0050	0	0	0	0-0	0.0008841	0	25	J
Lead	0.009277	0.0050	0	0	0	0-0	0.00669	32.4	25	R
Potassium	0.5532	0.20	0	0	0	0-0	0.5557	0.451	25	
Selenium	ND	0.0050	0	0	0	0-0	0.0007961	0	25	
Silver	ND	0.0050	0	0	0	0-0	0.00009874	0	25	
Vanadium	0.001345	0.0050	0	0	0	0-0	0.001519	0	25	J

DUP Sample ID: **0609454-02FDUP** Units: **mg/L** Analysis Date: **10/06/06 1:07**

Client ID: Run ID: **ICPMS02_061006A** SeqNo: **964629** Prep Date: **10/3/2006** DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Magnesium	236.2	4.0	0	0	0	0-0	245.6	3.9	25	
Sodium	163.2	4.0	0	0	0	0-0	170.6	4.43	25	

The following samples were analyzed in this batch: 0609473-01E 0609473-02E 0609473-03E 0609473-04E

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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20104** Instrument ID **ICP7500** Method: **SW6020**

MBLK Sample ID: **MBLKW3-100306** Units: **mg/L** Analysis Date: **10/05/06 3:08**
Client ID: Run ID: **ICP7500_061004A** SeqNo: **964014** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	ND	0.0050								

MBLK Sample ID: **MBLKW3-100306** Units: **mg/L** Analysis Date: **10/06/06 18:04**
Client ID: Run ID: **ICPMS02_061006B** SeqNo: **965691** Prep Date: **10/3/2006** 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								
Cadmium	ND	0.0020								
Chromium	ND	0.0050								
Magnesium	ND	0.20								
Potassium	ND	0.20								
Selenium	ND	0.0050								
Silver	ND	0.0050								
Sodium	ND	0.20								
Vanadium	ND	0.0050								

LCS Sample ID: **MLCSW3-100306** Units: **mg/L** Analysis Date: **10/05/06 3:14**
Client ID: Run ID: **ICP7500_061004A** SeqNo: **964015** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	0.04802	0.0050	0.05	0	96	80-118	0			

LCS Sample ID: **MLCSW3-100306** Units: **mg/L** Analysis Date: **10/06/06 18:10**
Client ID: Run ID: **ICPMS02_061006B** SeqNo: **965693** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04823	0.0050	0.05	0	96.5	80-121	0			
Barium	0.04865	0.0050	0.05	0	97.3	79.8-119	0			
Cadmium	0.04973	0.0020	0.05	0	99.5	79.1-119	0			
Chromium	0.051	0.0050	0.05	0	102	79.3-121	0			
Magnesium	4.878	0.20	5	0	97.6	80-120	0			
Potassium	4.934	0.20	5	0	98.7	80-120	0			
Selenium	0.04933	0.0050	0.05	0	98.7	79.2-118	0			
Silver	0.04781	0.0050	0.05	0	95.6	80-117	0			
Sodium	4.848	0.20	5	0	97	80.6-119	0			
Vanadium	0.05289	0.0050	0.05	0	106	82.1-119	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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20104** Instrument ID **ICP7500** Method: **SW6020**

MS Sample ID: **0610009-01BMS** Units: **mg/L** Analysis Date: **10/05/06 5:12**

Client ID: Run ID: **ICP7500_061004A** SeqNo: **964027** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05936	0.0050	0.05	0.007718	103	80-121	0			
Barium	0.1733	0.0050	0.05	0.1306	85.4	79.8-119	0			
Cadmium	0.04685	0.0020	0.05	0.0001368	93.4	79.1-119	0			
Chromium	0.06436	0.0050	0.05	0.003519	122	79.3-121	0			S
Lead	0.05308	0.0050	0.05	0.000276	106	80-118	0			
Magnesium	115.2	0.20	5	98.28	338	80-120	0			SO
Potassium	6.539	0.20	5	0.5993	119	80-120	0			
Selenium	0.05032	0.0050	0.05	0.001863	96.9	79.2-118	0			
Silver	0.0394	0.0050	0.05	-0.00004932	78.9	80-117	0			S
Sodium	ND	0.20	5	380.2	-7600	80.6-119	0			SOX
Vanadium	0.0605	0.0050	0.05	0.00262	116	82.1-119	0			

MSD Sample ID: **0610009-01BMSD** Units: **mg/L** Analysis Date: **10/05/06 5:18**

Client ID: Run ID: **ICP7500_061004A** SeqNo: **964028** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05912	0.0050	0.05	0.007718	103	80-121	0.05936	0.405	15	
Barium	0.174	0.0050	0.05	0.1306	86.8	79.8-119	0.1733	0.403	15	
Cadmium	0.0466	0.0020	0.05	0.0001368	92.9	79.1-119	0.04685	0.535	15	
Chromium	0.06302	0.0050	0.05	0.003519	119	79.3-121	0.06436	2.1	15	
Lead	0.05332	0.0050	0.05	0.000276	106	80-118	0.05308	0.451	15	
Magnesium	116.3	0.20	5	98.28	360	80-120	115.2	0.95	15	SO
Potassium	6.588	0.20	5	0.5993	120	80-120	6.539	0.747	15	
Selenium	0.04948	0.0050	0.05	0.001863	95.2	79.2-118	0.05032	1.68	15	
Silver	0.03931	0.0050	0.05	-0.00004932	78.7	80-117	0.0394	0.229	15	S
Sodium	ND	0.20	5	380.2	-7600	80.6-119	0	0	15	SOX
Vanadium	0.06008	0.0050	0.05	0.00262	115	82.1-119	0.0605	0.697	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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20104** Instrument ID **ICP7500** Method: **SW6020**

DUP Sample ID: **0610009-01BDUP** Units: **mg/L** Analysis Date: **10/05/06 5:06**

Client ID: Run ID: **ICP7500_061004A** SeqNo: **964026** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.009446	0.0050	0	0	0	0-0	0.007718	20.1	25	
Barium	0.1288	0.0050	0	0	0	0-0	0.1306	1.39	25	
Cadmium	ND	0.0020	0	0	0	0-0	0.0001368	0	25	
Chromium	0.01105	0.0050	0	0	0	0-0	0.003519	103	25	R
Lead	ND	0.0050	0	0	0	0-0	0.000276	0	25	
Magnesium	109.4	0.20	0	0	0	0-0	98.28	10.7	25	
Potassium	0.6181	0.20	0	0	0	0-0	0.5993	3.09	25	
Selenium	0.001765	0.0050	0	0	0	0-0	0.001863	0	25	J
Silver	ND	0.0050	0	0	0	0-0	-0.00004932	0	25	
Vanadium	0.00468	0.0050	0	0	0	0-0	0.00262	0	25	J

DUP Sample ID: **0610009-01BDUP** Units: **mg/L** Analysis Date: **10/10/06 20:22**

Client ID: Run ID: **ICP7500_061010A** SeqNo: **968050** Prep Date: **10/3/2006** DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium	339.4	20	0	0	0	0-0	347.7	2.42	25	

The following samples were analyzed in this batch:

0609473-05E	0609473-06E	0609473-07E
0609473-08E		

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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20192** Instrument ID **Mercury** Method: **SW7470**

MBLK Sample ID: **GBLKW2-100906** Units: **mg/L** Analysis Date: **10/09/06 16:27**
Client ID: Run ID: **MERCURY_061009B** SeqNo: **966827** Prep Date: **10/9/2006** 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: **GLCSW2-100906** Units: **mg/L** Analysis Date: **10/09/06 16:29**
Client ID: Run ID: **MERCURY_061009B** SeqNo: **966828** Prep Date: **10/9/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00538	0.00020	0.005	0	108	85-115	0			

LCSD Sample ID: **GLCSDW2-100906** Units: **mg/L** Analysis Date: **10/09/06 16:31**
Client ID: Run ID: **MERCURY_061009B** SeqNo: **966829** Prep Date: **10/9/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00533	0.00020	0.005	0	107	85-115	0.00538	0.934	20	

MS Sample ID: **0609473-06EMS** Units: **mg/L** Analysis Date: **10/09/06 16:37**
Client ID: **MW #20** Run ID: **MERCURY_061009B** SeqNo: **966832** Prep Date: **10/9/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00523	0.00020	0.005	0.000008	104	85-115	0			

MSD Sample ID: **0609473-06EMSD** Units: **mg/L** Analysis Date: **10/09/06 16:39**
Client ID: **MW #20** Run ID: **MERCURY_061009B** SeqNo: **966833** Prep Date: **10/9/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00517	0.00020	0.005	0.000008	103	85-115	0.00523	1.15	20	

DUP Sample ID: **0609473-06EDUP** Units: **mg/L** Analysis Date: **10/09/06 16:35**
Client ID: **MW #20** Run ID: **MERCURY_061009B** SeqNo: **966831** Prep Date: **10/9/2006** 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	0.000008	0	20	

The following samples were analyzed in this batch:

0609473-01E	0609473-02E	0609473-03E
0609473-04E	0609473-05E	0609473-06E
0609473-07E	0609473-08E	

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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42549** Instrument ID **VOA1** Method: **SW8260**

MBLK Sample ID: **VBLKW-061009** Units: **µg/L** Analysis Date: **10/09/06 18:44**

Client ID: Run ID: **VOA1_061009A** SeqNo: **967132** 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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42549**	Instrument ID **VOA1**		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	*54.03*	5.0	*50*	0	*108*	*70-125*	0
Surr: 4-Bromofluorobenzene	*56.55*	5.0	*50*	0	*113*	*72.4-125*	0
Surr: Dibromofluoromethane	*56.88*	5.0	*50*	0	*114*	*71.2-125*	0
Surr: Toluene-d8	*56.58*	5.0	*50*	0	*113*	*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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42549** Instrument ID **VOA1** Method: **SW8260**

LCS Sample ID: **VLCSW-061009** Units: **µg/L** Analysis Date: **10/09/06 17:48**

Client ID: Run ID: **VOA1_061009A** SeqNo: **967131** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	51.06	5.0	50	0	102	79.6-120	0			
1,1,2,2-Tetrachloroethane	51.25	5.0	50	0	102	78.9-121	0			
1,1,2-Trichloroethane	49.64	5.0	50	0	99.3	80-120	0			
1,1-Dichloroethane	49.52	5.0	50	0	99	74.2-122	0			
1,1-Dichloroethene	50.16	5.0	50	0	100	75.8-122	0			
1,2,4-Trimethylbenzene	48.92	5.0	50	0	97.8	80-120	0			
1,2-Dibromoethane	50.17	5.0	50	0	100	80-120	0			
1,2-Dichloroethane	50	5.0	50	0	100	78.8-120	0			
1,2-Dichloropropane	49.3	5.0	50	0	98.6	80-120	0			
1,3,5-Trimethylbenzene	48.77	5.0	50	0	97.5	80-120	0			
2-Butanone	102.5	10	100	0	103	69.2-131	0			
2-Hexanone	101.9	10	100	0	102	59.1-135	0			
4-Isopropyltoluene	49.72	5.0	50	0	99.4	80-120	0			
4-Methyl-2-pentanone	101.5	10	100	0	102	71.6-124	0			
Acetone	109.5	10	100	0	109	60.1-141	0			
Benzene	48.79	5.0	50	0	97.6	80-120	0			
Bromodichloromethane	50.87	5.0	50	0	102	80-120	0			
Bromoform	52.49	5.0	50	0	105	78.1-120	0			
Bromomethane	48.56	5.0	50	0	97.1	52.8-147	0			
Carbon disulfide	105.3	10	100	0	105	78.8-120	0			
Carbon tetrachloride	51.99	5.0	50	0	104	76.8-120	0			
Chlorobenzene	49.73	5.0	50	0	99.5	80-120	0			
Chloroethane	51.17	5.0	50	0	102	74.2-120	0			
Chloroform	49.58	5.0	50	0	99.2	80-120	0			
Chloromethane	47.45	5.0	50	0	94.9	63.5-133	0			
cis-1,2-Dichloroethene	50.44	5.0	50	0	101	80-120	0			
cis-1,3-Dichloropropene	51.38	5.0	50	0	103	80-120	0			
Dibromochloromethane	50.6	5.0	50	0	101	80-120	0			
Ethylbenzene	49.65	5.0	50	0	99.3	80-120	0			
Isopropylbenzene	49.4	5.0	50	0	98.8	80-120	0			
m,p-Xylene	100	10	100	0	100	80-120	0			
Methyl tert-butyl ether	51.72	5.0	50	0	103	75.8-123	0			
Methylene chloride	35.86	10	50	0	71.7	74.7-120	0			S
n-Butylbenzene	49.4	5.0	50	0	98.8	80-120	0			
n-Propylbenzene	49.89	5.0	50	0	99.8	80-120	0			
Naphthalene	54.04	5.0	50	0	108	71.4-124	0			
o-Xylene	49.08	5.0	50	0	98.2	80-120	0			
sec-Butylbenzene	50.04	5.0	50	0	100	80-120	0			
Styrene	50.36	5.0	50	0	101	80-120	0			
Tetrachloroethene	49.73	5.0	50	0	99.5	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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42549**	Instrument ID **VOA1**		Method: **SW8260**				
Toluene	48.97	5.0	50	0	97.9	80-120	0
trans-1,2-Dichloroethene	51.37	5.0	50	0	103	75.9-122	0
trans-1,3-Dichloropropene	50.6	5.0	50	0	101	80-120	0
Trichloroethene	50.75	5.0	50	0	102	80-120	0
Vinyl chloride	49.2	2.0	50	0	98.4	76.2-121	0
Xylenes, Total	149.1	15	150	0	99.4	80-120	0
Surr: 1,2-Dichloroethane-d4	*53.37*	5.0	*50*	0	*107*	*70-125*	0
Surr: 4-Bromofluorobenzene	*55.78*	5.0	*50*	0	*112*	*72.4-125*	0
Surr: Dibromofluoromethane	*56.78*	5.0	*50*	0	*114*	*71.2-125*	0
Surr: Toluene-d8	*56.7*	5.0	*50*	0	*113*	*75-125*	0

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

CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42549** Instrument ID **VOA1** Method: **SW8260**

MS Sample ID: **0610076-05AMS** Units: **µg/L** Analysis Date: **10/09/06 22:53**

Client ID: Run ID: **VOA1_061009A** SeqNo: **967141** 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	1093	120	1250	0	87.4	79.6-120	0			
1,1,2,2-Tetrachloroethane	1218	120	1250	0	97.5	78.9-121	0			
1,1,2-Trichloroethane	1263	120	1250	1.409	101	80-120	0			
1,1-Dichloroethane	1241	120	1250	0	99.3	74.2-122	0			
1,1-Dichloroethene	1036	120	1250	0	82.9	75.8-122	0			
1,2,4-Trimethylbenzene	1041	120	1250	0	83.3	80-120	0			
1,2-Dibromoethane	1210	120	1250	0	96.8	80-120	0			
1,2-Dichloroethane	1202	120	1250	0	96.1	78.8-120	0			
1,2-Dichloropropane	1248	120	1250	0	99.9	80-120	0			
1,3,5-Trimethylbenzene	1006	120	1250	0	80.5	80-120	0			
2-Butanone	2368	250	2500	0	94.7	69.2-131	0			
2-Hexanone	2212	250	2500	0	88.5	59.1-135	0			
4-Isopropyltoluene	920.1	120	1250	0	73.6	80-120	0			S
4-Methyl-2-pentanone	2376	250	2500	0	95	71.6-124	0			
Acetone	2436	250	2500	0	97.4	60.1-141	0			
Benzene	1180	120	1250	0	94.4	80-120	0			
Bromodichloromethane	1254	120	1250	0	100	80-120	0			
Bromoform	1238	120	1250	0	99.1	78.1-120	0			
Bromomethane	691.7	120	1250	0	55.3	52.8-147	0			
Carbon disulfide	2266	250	2500	0	90.6	78.8-120	0			
Carbon tetrachloride	996.5	120	1250	0	79.7	76.8-120	0			
Chlorobenzene	1170	120	1250	0	93.6	80-120	0			
Chloroethane	1123	120	1250	0	89.9	74.2-120	0			
Chloroform	1239	120	1250	1.089	99.1	80-120	0			
Chloromethane	1113	120	1250	0	89	63.5-133	0			
cis-1,2-Dichloroethene	1329	120	1250	95.46	98.7	80-120	0			
cis-1,3-Dichloropropene	1251	120	1250	0	100	80-120	0			
Dibromochloromethane	1246	120	1250	0	99.7	80-120	0			
Ethylbenzene	1059	120	1250	0	84.7	80-120	0			
Isopropylbenzene	973.2	120	1250	0	77.9	80-120	0			S
m,p-Xylene	2151	250	2500	0	86	80-120	0			
Methyl tert-butyl ether	1260	120	1250	0	101	75.8-123	0			
Methylene chloride	1332	250	1250	0	107	74.7-120	0			
n-Butylbenzene	897.3	120	1250	0	71.8	80-120	0			S
n-Propylbenzene	984.9	120	1250	0	78.8	80-120	0			S
Naphthalene	1108	120	1250	0	88.6	71.4-124	0			
o-Xylene	1125	120	1250	0	90	80-120	0			
sec-Butylbenzene	905	120	1250	0	72.4	80-120	0			S
Styrene	1177	120	1250	0	94.2	80-120	0			
Tetrachloroethene	3218	120	1250	2884	26.7	80-120	0			S

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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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42549** Instrument ID **VOA1** Method: **SW8260**

Toluene	1140	120	1250	0	91.2	80-120	0
trans-1,2-Dichloroethene	1207	120	1250	4.402	96.2	75.9-122	0
trans-1,3-Dichloropropene	1212	120	1250	0	97	80-120	0
Trichloroethene	1266	120	1250	214.3	84.1	80-120	0
Vinyl chloride	1092	50	1250	0	87.4	76.2-121	0
Xylenes, Total	3276	380	3750	0	87.4	80-120	0
Surr: 1,2-Dichloroethane-d4	*1350*	120	*1250*	0	*108*	*70-125*	0
Surr: 4-Bromofluorobenzene	*1364*	120	*1250*	0	*109*	*72.4-125*	0
Surr: Dibromofluoromethane	*1491*	120	*1250*	0	*119*	*71.2-125*	0
Surr: Toluene-d8	*1422*	120	*1250*	0	*114*	*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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42549** Instrument ID **VOA1** Method: **SW8260**

MSD Sample ID: **0610076-05AMSD** Units: **µg/L** Analysis Date: **10/09/06 23:21**

Client ID: Run ID: **VOA1_061009A** SeqNo: **967142** 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	1078	120	1250	0	86.2	79.6-120	1093	1.37	20	
1,1,2,2-Tetrachloroethane	1259	120	1250	0	101	78.9-121	1218	3.25	20	
1,1,2-Trichloroethane	1255	120	1250	1.409	100	80-120	1263	0.686	20	
1,1-Dichloroethane	1242	120	1250	0	99.4	74.2-122	1241	0.112	20	
1,1-Dichloroethene	1069	120	1250	0	85.5	75.8-122	1036	3.09	20	
1,2,4-Trimethylbenzene	1075	120	1250	0	86	80-120	1041	3.13	20	
1,2-Dibromoethane	1203	120	1250	0	96.2	80-120	1210	0.606	20	
1,2-Dichloroethane	1211	120	1250	0	96.9	78.8-120	1202	0.759	20	
1,2-Dichloropropane	1244	120	1250	0	99.5	80-120	1248	0.365	20	
1,3,5-Trimethylbenzene	1036	120	1250	0	82.8	80-120	1006	2.93	20	
2-Butanone	2379	250	2500	0	95.2	69.2-131	2368	0.449	20	
2-Hexanone	2369	250	2500	0	94.8	59.1-135	2212	6.83	20	
4-Isopropyltoluene	974.5	120	1250	0	78	80-120	920.1	5.74	20	S
4-Methyl-2-pentanone	2407	250	2500	0	96.3	71.6-124	2376	1.28	20	
Acetone	2467	250	2500	0	98.7	60.1-141	2436	1.26	20	
Benzene	1180	120	1250	0	94.4	80-120	1180	0.0332	20	
Bromodichloromethane	1262	120	1250	0	101	80-120	1254	0.639	20	
Bromoform	1261	120	1250	0	101	78.1-120	1238	1.78	20	
Bromomethane	823.6	120	1250	0	65.9	52.8-147	691.7	17.4	20	
Carbon disulfide	2281	250	2500	0	91.2	78.8-120	2266	0.661	20	
Carbon tetrachloride	1009	120	1250	0	80.7	76.8-120	996.5	1.2	20	
Chlorobenzene	1185	120	1250	0	94.8	80-120	1170	1.22	20	
Chloroethane	1138	120	1250	0	91	74.2-120	1123	1.3	20	
Chloroform	1257	120	1250	1.089	100	80-120	1239	1.39	20	
Chloromethane	1044	120	1250	0	83.5	63.5-133	1113	6.39	20	
cis-1,2-Dichloroethene	1377	120	1250	95.46	103	80-120	1329	3.54	20	
cis-1,3-Dichloropropene	1254	120	1250	0	100	80-120	1251	0.227	20	
Dibromochloromethane	1253	120	1250	0	100	80-120	1246	0.612	20	
Ethylbenzene	1091	120	1250	0	87.2	80-120	1059	2.91	20	
Isopropylbenzene	1011	120	1250	0	80.9	80-120	973.2	3.83	20	
m,p-Xylene	2231	250	2500	0	89.2	80-120	2151	3.63	20	
Methyl tert-butyl ether	1298	120	1250	0	104	75.8-123	1260	2.95	20	
Methylene chloride	1294	250	1250	0	104	74.7-120	1332	2.87	20	
n-Butylbenzene	934	120	1250	0	74.7	80-120	897.3	4.01	20	S
n-Propylbenzene	1016	120	1250	0	81.3	80-120	984.9	3.1	20	
Naphthalene	1185	120	1250	0	94.8	71.4-124	1108	6.72	20	
o-Xylene	1154	120	1250	0	92.3	80-120	1125	2.56	20	
sec-Butylbenzene	943.3	120	1250	0	75.5	80-120	905	4.14	20	S
Styrene	1187	120	1250	0	95	80-120	1177	0.882	20	
Tetrachloroethene	3249	120	1250	2884	29.2	80-120	3218	0.959	20	S

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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42549**	Instrument ID **VOA1**		Method: **SW8260**						
Toluene	1158	120	1250	0	92.7	80-120	1140	1.57	20
trans-1,2-Dichloroethene	1200	120	1250	4.402	95.7	75.9-122	1207	0.513	20
trans-1,3-Dichloropropene	1232	120	1250	0	98.6	80-120	1212	1.66	20
Trichloroethene	1286	120	1250	214.3	85.8	80-120	1266	1.63	20
Vinyl chloride	1054	50	1250	0	84.3	76.2-121	1092	3.54	20
Xylenes, Total	3385	380	3750	0	90.3	80-120	3276	3.26	20
Surr: 1,2-Dichloroethane-d4	*1356*	120	*1250*	0	*109*	*70-125*	1350	*0.458*	*20*
Surr: 4-Bromofluorobenzene	*1387*	120	*1250*	0	*111*	*72.4-125*	1364	*1.69*	*20*
Surr: Dibromofluoromethane	*1490*	120	*1250*	0	*119*	*71.2-125*	1491	*0.0345*	*20*
Surr: Toluene-d8	*1455*	120	*1250*	0	*116*	*75-125*	1422	*2.31*	*20*

The following samples were analyzed in this batch:

0609473-01A	0609473-02A	0609473-03A
0609473-04A	0609473-05A	0609473-06A
0609473-07A	0609473-08A	0609473-09A
0609473-10A		

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R - RPD outside accepted recovery limits
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B - Analyte detected in assoc. Method Blank
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CLIENT: Navajo Refining Company
Work Order: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42281** Instrument ID **Balance1** Method: **E160.1**

MBLK Sample ID: **WBLKW1-100206** Units: **mg/L** Analysis Date: **10/02/06 0:00**
Client ID: Run ID: **BALANCE1_061002C** SeqNo: **961943** 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: **WLCSW1-100206** Units: **mg/L** Analysis Date: **10/02/06 0:00**
Client ID: Run ID: **BALANCE1_061002C** SeqNo: **961944** 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	1002	10	1000	0	100	85-115	0			

DUP Sample ID: **0609473-01DDUP** Units: **mg/L** Analysis Date: **10/02/06 0:00**
Client ID: **MW #45** Run ID: **BALANCE1_061002C** SeqNo: **961935** 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	3807	10	0	0	0	0-0	3815	0.21	20	

The following samples were analyzed in this batch:

0609473-01D	0609473-02D	0609473-03D
0609473-04D	0609473-05D	0609473-06D
0609473-07D	0609473-08D	

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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42363** Instrument ID **WetChem** Method: **E310.1**

MBLK Sample ID: **WBLKW1-100406** Units: **mg/L** Analysis Date: **10/04/06 0:00**
Client ID: Run ID: **WETCHEM_061004E** SeqNo: **963460** 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: **WLCSW1-100406** Units: **mg/L** Analysis Date: **10/04/06 0:00**
Client ID: Run ID: **WETCHEM_061004E** SeqNo: **963461** 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)	990.8	5.0	1000	0	99.1	80-120	0			

DUP Sample ID: **0609455-01DDUP** Units: **mg/L** Analysis Date: **10/04/06 0:00**
Client ID: Run ID: **WETCHEM_061004E** SeqNo: **963482** 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)	297.3	5.0	0	0	0	0-0	292	1.77	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)	297.3	5.0	0	0	0	0-0	292	1.77	20	

The following samples were analyzed in this batch: 0609473-01D 0609473-02D

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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42364** Instrument ID **WetChem** Method: **E310.1**

MBLK Sample ID: **WBLKW1-100406** Units: **mg/L** Analysis Date: **10/04/06 0:00**
Client ID: Run ID: **WETCHEM_061004F** SeqNo: **963483** 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: **WLCSW1-100406** Units: **mg/L** Analysis Date: **10/04/06 0:00**
Client ID: Run ID: **WETCHEM_061004F** SeqNo: **963484** 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: **0609473-03DDUP** Units: **mg/L** Analysis Date: **10/04/06 0:00**
Client ID: **NCL #33** Run ID: **WETCHEM_061004F** SeqNo: **963492** 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)	567.6	5.0	0	0	0	0-0	557.3	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)	567.6	5.0	0	0	0	0-0	557.3	1.83	20	

The following samples were analyzed in this batch:

0609473-03D	0609473-04D	0609473-05D
0609473-06D	0609473-07D	0609473-08D

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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42441** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW2-10/03/06** Units: **mg/L** Analysis Date: **10/03/06 21:02**
Client ID: Run ID: **IC201_061003C** SeqNo: **964701** 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)	*7.234*	0.10	*5*	0	*145*	*85-115*	0			*S*

LCS Sample ID: **WLCSW2-060-92-** Units: **mg/L** Analysis Date: **10/03/06 21:24**
Client ID: Run ID: **IC201_061003C** SeqNo: **964702** 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)	8.295	0.10	8	0	104	90-110	0			
Surr: Selenate (surr)	*4.963*	0.10	*5*	0	*99.3*	*85-115*	0			

MS Sample ID: **0609454-11DMS** Units: **mg/L** Analysis Date: **10/04/06 13:06**
Client ID: Run ID: **IC201_061003C** SeqNo: **964713** 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)	19.16	0.50	20	0	95.8	80-120	0			
Surr: Selenate (surr)	*24.72*	0.50	*25*	0	*98.9*	*80-120*	0			

MSD Sample ID: **0609454-11DMSD** Units: **mg/L** Analysis Date: **10/04/06 13:28**
Client ID: Run ID: **IC201_061003C** SeqNo: **964714** 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)	19.11	0.50	20	0	95.6	80-120	19.16	0.235	20	
Surr: Selenate (surr)	*24.64*	0.50	*25*	0	*98.5*	*80-120*	24.72	*0.34*	*20*	

DUP Sample ID: **0609454-11DDUP** Units: **mg/L** Analysis Date: **10/04/06 9:49**
Client ID: Run ID: **IC201_061003C** SeqNo: **964741** 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)	ND	0.50	0	0	0	0-0	0	0	20	
Surr: Selenate (surr)	*24.76*	0.50	*25*	0	*99*	*80-120*	24.78	*0.0646*	*20*	

The following samples were analyzed in this batch:

0609473-01C	0609473-02C	0609473-03C
0609473-04C	0609473-05C	0609473-06C

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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42471** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW4-100406** Units: **mg/L** Analysis Date: **10/05/06 3:42**
Client ID: Run ID: **IC201_061004A** SeqNo: **965380** 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								
Surr: Selenate (surr)	*6.549*	0.10	*5*	0	*131*	*85-115*		0		*S*

LCS Sample ID: **WLCSW4-060-100** Units: **mg/L** Analysis Date: **10/05/06 4:04**
Client ID: Run ID: **IC201_061004A** SeqNo: **965381** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.44	0.50	20	0	102	90-110		0		
Fluoride	4.243	0.10	4	0	106	90-110		0		
Surr: Selenate (surr)	*5*	0.10	*5*	0	*100*	*85-115*		0		

MS Sample ID: **0610065-06DMS** Units: **mg/L** Analysis Date: **10/05/06 16:29**
Client ID: Run ID: **IC201_061004A** SeqNo: **965365** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	135.7	0.50	10	129.1	65.7	80-120		0		SEO
Fluoride	2.301	0.10	2	0.287	101	80-120		0		
Surr: Selenate (surr)	*4.763*	0.10	*5*	0	*95.3*	*80-120*		0		

MS Sample ID: **0609473-05BMS** Units: **mg/L** Analysis Date: **10/05/06 6:38**
Client ID: **MW #54A** Run ID: **IC201_061004A** SeqNo: **965388** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	271.3	0.50	10	268.4	29.3	80-120		0		SEO
Fluoride	3.077	0.10	2	0.809	113	80-120		0		
Surr: Selenate (surr)	*4.924*	0.10	*5*	0	*98.5*	*80-120*		0		

MSD Sample ID: **0610065-06DMSD** Units: **mg/L** Analysis Date: **10/05/06 16:51**
Client ID: Run ID: **IC201_061004A** SeqNo: **965366** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	135.8	0.50	10	129.1	67.1	80-120	135.7	0.102	20	SEO
Fluoride	2.33	0.10	2	0.287	102	80-120	2.301	1.25	20	
Surr: Selenate (surr)	*4.739*	0.10	*5*	0	*94.8*	*80-120*	4.763	*0.505*	*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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42471** Instrument ID **IC201** Method: **E300**

MSD Sample ID: **0609473-05BMSD** Units: **mg/L** Analysis Date: **10/05/06 7:00**
Client ID: **MW #54A** Run ID: **IC201_061004A** SeqNo: **965389** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	271.7	0.50	10	268.4	33.3	80-120	271.3	0.148	20	SEO
Fluoride	3.157	0.10	2	0.809	117	80-120	3.077	2.57	20	
Surr: Selenate (surr)	*4.928*	0.10	*5*	0	*98.6*	*80-120*	4.924	*0.0812*	*20*	

DUP Sample ID: **0609473-05BDUP** Units: **mg/L** Analysis Date: **10/05/06 12:06**
Client ID: **MW #54A** Run ID: **IC201_061004A** SeqNo: **965355** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	271.6	5.0	0	0	0	0-0	271.5	0.0405	20	
Fluoride	1.036	1.0	0	0	0	0-0	1.046	0.961	20	
Surr: Selenate (surr)	*49.35*	1.0	*50*	0	*98.7*	*80-120*	49.47	*0.245*	*20*	

DUP Sample ID: **0610065-06DDUP** Units: **mg/L** Analysis Date: **10/05/06 16:07**
Client ID: Run ID: **IC201_061004A** SeqNo: **965364** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	129	0.50	0	0	0	0-0	129.1	0.0697	20	E
Fluoride	0.286	0.10	0	0	0	0-0	0.287	0.349	20	
Surr: Selenate (surr)	*4.72*	0.10	*5*	0	*94.4*	*80-120*	4.719	*0.0212*	*20*	

DUP Sample ID: **0609473-05BDUP** Units: **mg/L** Analysis Date: **10/05/06 6:16**
Client ID: **MW #54A** Run ID: **IC201_061004A** SeqNo: **965387** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	268.2	0.50	0	0	0	0-0	268.4	0.0704	20	E
Fluoride	0.808	0.10	0	0	0	0-0	0.809	0.124	20	
Surr: Selenate (surr)	*4.884*	0.10	*5*	0	*97.7*	*80-120*	4.872	*0.246*	*20*	

The following samples were analyzed in this batch:

0609473-01B	0609473-02B	0609473-03B
0609473-04B	0609473-05B	0609473-06B
0609473-07B		

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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42490** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW3-100306** Units: **mg/L** Analysis Date: **10/04/06 21:52**
Client ID: Run ID: **IC201_061003D** SeqNo: **965658** 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)	*6.473*	0.10	*5*	0	*129*	*85-115*	0			*S*

LCS Sample ID: **WLCSW3-060-100** Units: **mg/L** Analysis Date: **10/04/06 22:14**
Client ID: Run ID: **IC201_061003D** SeqNo: **965661** 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)	8.324	0.10	8	0	104	90-110	0			
Surr: Selenate (surr)	*4.97*	0.10	*5*	0	*99.4*	*85-115*	0			

MS Sample ID: **0609473-07CMS** Units: **mg/L** Analysis Date: **10/05/06 1:31**
Client ID: **KWB #9** Run ID: **IC201_061003D** SeqNo: **965669** 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)	18.87	0.50	20	0.452	92.1	80-120	0			
Surr: Selenate (surr)	*23.86*	0.50	*25*	0	*95.4*	*80-120*	0			

MSD Sample ID: **0609473-07CMSD** Units: **mg/L** Analysis Date: **10/05/06 1:53**
Client ID: **KWB #9** Run ID: **IC201_061003D** SeqNo: **965671** 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)	18.85	0.50	20	0.452	92	80-120	18.87	0.106	20	
Surr: Selenate (surr)	*23.66*	0.50	*25*	0	*94.6*	*80-120*	23.86	*0.821*	*20*	

DUP Sample ID: **0609473-07CDUP** Units: **mg/L** Analysis Date: **10/05/06 0:25**
Client ID: **KWB #9** Run ID: **IC201_061003D** SeqNo: **965665** 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)	0.433	0.50	0	0	0	0-0	0.452	0	20	J
Surr: Selenate (surr)	*24.67*	0.50	*25*	0	*98.7*	*80-120*	24.62	*0.187*	*20*	

The following samples were analyzed in this batch: 0609473-07C 0609473-08C

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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42541** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW5-100506** Units: **mg/L** Analysis Date: **10/06/06 0:53**
Client ID: Run ID: **IC201_061005A** SeqNo: **966885** 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								
Sulfate	ND	1.0								
Surr: Selenate (surr)	*4.958*	0.10	*5*	0	*99.2*	*85-115*	0			

LCS Sample ID: **WLCSW5-060-100** Units: **mg/L** Analysis Date: **10/06/06 1:15**
Client ID: Run ID: **IC201_061005A** SeqNo: **966886** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.39	0.50	20	0	102	90-110	0			
Sulfate	20.4	1.0	20	0	102	90-110	0			
Surr: Selenate (surr)	*4.971*	0.10	*5*	0	*99.4*	*85-115*	0			

MS Sample ID: **0610076-09CMS** Units: **mg/L** Analysis Date: **10/06/06 3:05**
Client ID: Run ID: **IC201_061005A** SeqNo: **966892** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	466.9	0.50	10	470.3	-33.9	80-120	0			SEO
Sulfate	61.35	1.0	10	52.66	86.9	80-120	0			EO
Surr: Selenate (surr)	*4.734*	0.10	*5*	0	*94.7*	*80-120*	0			

MSD Sample ID: **0610076-09CMSD** Units: **mg/L** Analysis Date: **10/06/06 3:27**
Client ID: Run ID: **IC201_061005A** SeqNo: **966893** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	468.2	0.50	10	470.3	-21.1	80-120	466.9	0.275	20	SEO
Sulfate	61.53	1.0	10	52.66	88.7	80-120	61.35	0.291	20	EO
Surr: Selenate (surr)	*4.73*	0.10	*5*	0	*94.6*	*80-120*	4.734	*0.0845*	*20*	

DUP Sample ID: **0610076-09CDUP** Units: **mg/L** Analysis Date: **10/06/06 2:43**
Client ID: Run ID: **IC201_061005A** SeqNo: **966891** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	469.3	0.50	0	0	0	0-0	470.3	0.225	20	E
Sulfate	52.71	1.0	0	0	0	0-0	52.66	0.0968	20	E
Surr: Selenate (surr)	*4.811*	0.10	*5*	0	*96.2*	*80-120*	4.805	*0.125*	*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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42541** Instrument ID **IC201** Method: **E300**

DUP Sample ID: **0610076-09CDUP** Units: **mg/L** Analysis Date: **10/06/06 4:54**

Client ID: Run ID: **IC201_061005A** SeqNo: **966896** Prep Date: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	476.2	2.5	0	0	0	0-0	475.4	0.166	20	E
Sulfate	53.57	5.0	0	0	0	0-0	53.43	0.252	20	
Surr: Selenate (surr)	*24.24*	0.50	*25*	0	*97*	*80-120*	24.16	*0.318*	*20*	

The following samples were analyzed in this batch: 0609473-01B 0609473-02B 0609473-03B 0609473-07B

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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42543** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW1-100606** Units: **mg/L** Analysis Date: **10/06/06 15:36**
Client ID: Run ID: **IC201_061006A** SeqNo: **966921** 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)	*5.124*	0.10	*5*	0	*102*	*85-115*		0		

LCS Sample ID: **WLCSW1-060-100** Units: **mg/L** Analysis Date: **10/06/06 15:58**
Client ID: Run ID: **IC201_061006A** SeqNo: **966923** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.15	0.50	20	0	101	90-110		0		
Fluoride	4.18	0.10	4	0	104	90-110		0		
Sulfate	20.16	1.0	20	0	101	90-110		0		
Surr: Selenate (surr)	*4.917*	0.10	*5*	0	*98.3*	*85-115*		0		

MS Sample ID: **0610088-04DMS** Units: **mg/L** Analysis Date: **10/06/06 18:31**
Client ID: Run ID: **IC201_061006A** SeqNo: **966940** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	224.7	0.50	10	218.7	60.1	80-120		0		SEO
Fluoride	2.357	0.10	2	0.186	109	80-120		0		
Sulfate	76.63	1.0	10	67.94	86.9	80-120		0		EO
Surr: Selenate (surr)	*4.644*	0.10	*5*	0	*92.9*	*80-120*		0		

MSD Sample ID: **0610088-04DMSD** Units: **mg/L** Analysis Date: **10/06/06 18:53**
Client ID: Run ID: **IC201_061006A** SeqNo: **966942** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	225.1	0.50	10	218.7	64.1	80-120	224.7	0.177	20	SEO
Fluoride	2.378	0.10	2	0.186	110	80-120	2.357	0.887	20	
Sulfate	76.65	1.0	10	67.94	87.1	80-120	76.63	0.0287	20	EO
Surr: Selenate (surr)	*4.635*	0.10	*5*	0	*92.7*	*80-120*	4.644	*0.194*	*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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42543** Instrument ID **IC201** Method: **E300**

DUP Sample ID: **0610088-04DDUP** Units: **mg/L** Analysis Date: **10/06/06 18:09**

Client ID: Run ID: **IC201_061006A** SeqNo: **966937** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	219.4	0.50	0	0	0	0-0	218.7	0.321	20	E
Fluoride	0.184	0.10	0	0	0	0-0	0.186	1.08	20	
Sulfate	68.14	1.0	0	0	0	0-0	67.94	0.288	20	E
Surr: Selenate (surr)	*4.693*	0.10	*5*	0	*93.9*	*80-120*	4.686	*0.149*	*20*	

DUP Sample ID: **0610088-04DDUP** Units: **mg/L** Analysis Date: **10/06/06 22:10**

Client ID: Run ID: **IC201_061006A** SeqNo: **966949** Prep Date: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	229.6	2.5	0	0	0	0-0	229	0.286	20	
Fluoride	0.189	0.50	0	0	0	0-0	0.19	0	20	J
Sulfate	70.46	5.0	0	0	0	0-0	70.31	0.207	20	
Surr: Selenate (surr)	*24.64*	0.50	*25*	0	*98.6*	*80-120*	24.61	*0.126*	*20*	

The following samples were analyzed in this batch:

0609473-04B	0609473-05B	0609473-06B
0609473-07B	0609473-08B	

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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42550** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW1-100706** Units: **mg/L** Analysis Date: **10/07/06 22:16**
Client ID: Run ID: **IC201_061007A** SeqNo: **967156** 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								
Sulfate	ND	1.0								
Surr: Selenate (surr)	*5.503*	0.10	*5*	0	*110*	*85-115*	0			

LCS Sample ID: **WLCSW1-364-2-9/** Units: **mg/L** Analysis Date: **10/07/06 22:38**
Client ID: Run ID: **IC201_061007A** SeqNo: **967157** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.63	0.50	20	0	103	90-110	0			
Sulfate	20.41	1.0	20	0	102	90-110	0			
Surr: Selenate (surr)	*4.888*	0.10	*5*	0	*97.8*	*85-115*	0			

MS Sample ID: **0609454-04CMS** Units: **mg/L** Analysis Date: **10/08/06 1:55**
Client ID: Run ID: **IC201_061007A** SeqNo: **967167** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	232.5	0.50	10	227.6	48.6	80-120	0			SEO
Sulfate	11.05	1.0	10	1.128	99.3	80-120	0			
Surr: Selenate (surr)	*4.782*	0.10	*5*	0	*95.6*	*80-120*	0			

MSD Sample ID: **0609454-04CMSD** Units: **mg/L** Analysis Date: **10/08/06 2:17**
Client ID: Run ID: **IC201_061007A** SeqNo: **967181** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	232.4	0.50	10	227.6	47.7	80-120	232.5	0.0379	20	SEO
Sulfate	11.1	1.0	10	1.128	99.7	80-120	11.05	0.388	20	
Surr: Selenate (surr)	*4.788*	0.10	*5*	0	*95.8*	*80-120*	4.782	*0.125*	*20*	

DUP Sample ID: **0609454-04CDUP** Units: **mg/L** Analysis Date: **10/08/06 1:33**
Client ID: Run ID: **IC201_061007A** SeqNo: **967165** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	227.5	0.50	0	0	0	0-0	227.6	0.0747	20	E
Sulfate	1.119	1.0	0	0	0	0-0	1.128	0.801	20	
Surr: Selenate (surr)	*4.749*	0.10	*5*	0	*95*	*80-120*	4.762	*0.273*	*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: 0609473
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42550** Instrument ID **IC201** Method: **E300**

DUP Sample ID: **0609454-04CDUP** Units: **mg/L** Analysis Date: **10/08/06 4:28**

Client ID: Run ID: **IC201_061007A** SeqNo: **967185** Prep Date: DF: **25**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	218.6	12	0	0	0	0-0	218.7	0.0377	20	
Sulfate	ND	25	0	0	0	0-0	2.702	0	20	
Surr: Selenate (surr)	*120.1*	2.5	*125*	0	*96.1*	*80-120*	120.1	*0.052*	*20*	

The following samples were analyzed in this batch: 0609473-08B

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

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

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Chain of Custody Form

Page 1 of 1

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

e-Lab Project Manager:

e-Lab Work Order #: 0609473

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Navajo Artesia	A	VOC 8260 Select:
Work Order		Project Number		B	GRO
Company Name	Navajo Refining Company	Bill To Company	Navajo Refining Company	C	DRO
Send Report To	Darrell Moore	Invoice Attn	Darrell Moore	D	Anions (Cl, F, SO4,)
Address	PO Box 159	Address	PO Box 159	E	Anions (NO3, NO2)
				F	Total Metal 6020 (As,Ba,Cd,Cr,Pb,Se,Ag,Hg,Mg,K,Na,V)
City/State/Zip	Artesia, NM 88211	City/State/Zip	Artesia, NM 88211	G	ALK, TDS
Phone	(505) 748-3311	Phone	(505) 748-3311	H	
Fax	(505) 746-5421	Fax	(505) 746-5421	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW # 45	09/29/06	0755	H2O	1,2,5,8	8	X		X	X	X	X	X				
2	MW # 56	09/29/06	0840	H2O	1,2,3,8	8	X		X	X	X	X	X				
3	NCL #33	09/29/06	0920	H2O	1,2,3,8	8	X		X	X	X	X	X				
4	NCL #49	09/29/06	1005	H2O	1,2,3,8	8	X		X	X	X	X	X				
5	MW #54A	09/29/06	1025	H2O	1,2,3,8	8	X		X	X	X	X	X				
6	MW #20	09/29/06	1340	H2O	1,2,3,8	8	X		X	X	X	X	X				
7	KWB #9	09/29/06	1435	H2O	1,2,3,8	8	X		X	X	X	X	X				
8	Duplicate	09/29/06		H2O	1,2,3,8	8	X		X	X	X	X	X				
9	FIELD BLANK	09/29/06	1040	H2O	1,8	3	X										
10	EQUIPMENT BLANK	09/29/06	1045	H2O	1,8	3	X										

Sampler(s) Please Print & Sign: Sosa, Jerry

Shipment Method: FED-EX

Required Turnaround Time: (Check Box) ☑ Std 10 WK Days ☐ 5 WK Days ☐ 2 WK Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Notes:
	09-29-06	1514		
Relinquished by:	Date:	Time:	Received by (Laboratory): 9/30/06 08:55	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

e-Lab Analytical Cooler ID	Cooler Temp:

QC Package: (Check One Box Below)
- ☑ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other
- ☐ TRRP CheckList
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_3$ 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.

e-Lab Analytical, Inc.

Sample Receipt Checklist

Client Name NAVAJO REFINING — Date/Time Received: 9/30/2006 8:55:00 AM

Work Order Number 0609473 — Received by: RNG

Checklist completed by [signature] 9/30/06 (Signature / Date) — Reviewed by [initials] 10/2/06 (Initials / Date)

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):	3.2c	002	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐

Adjusted? _____ Checked by RNG

Login Notes: Trip Blank logged in without analysis.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

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

ARTESIA, NM 88210
UNITED STATES US

Ship Date: 29SEP06
ActWgt: 75.0 LB MAN
System#: 185697/CAFE2308
Account: S 113684186

TO SAMPLE RECEIVING
ELAB
10450 STANCLIFF

HOUSTON, TX 77099

(281) 530-5656

FedEx
Express

E

CLS022306/16/19

REF:
PO:
Inv:
Dept: JLS

Delivery Address
Barcode

BILL SENDER

MON

FedEx.
PRIORITY SATURDAY
By
16

emp: 237371 29SEP06

Deliver By:
30SEP06
A2

TRK# 9046 7990 0690 FORM 0201

IAH

77099 -TX-US X0 JGQA

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

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CUSTODY SEA...L

Date: 9/29/06 Time: 16...
Name: Brian ...
Company: SESI

Broken By: RG
Date: 9/30/06

e-Lab Analytical, Inc.

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

October 24, 2006

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

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

Re: Navajo Artesia

Work Order : **0610098**

Dear Darrell Moore,

e-Lab Analytical, Inc. received 36 samples on 10/6/2006 9:20:00 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 160.

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

ACCREDITED IN ACCORDANCE WITH nelac

Certificate No: T104704231-06-TX

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Project: Navajo Artesia
Work Order: **0610098**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
0610098-01	MW-43	Water		10/2/2006 14:17	10/6/2006 09:20	☐
0610098-02	MW-23	Water		10/2/2006 15:15	10/6/2006 09:20	☐
0610098-03	MW-44	Water		10/2/2006 17:07	10/6/2006 09:20	☐
0610098-04	MW-28	Water		10/3/2006 08:52	10/6/2006 09:20	☐
0610098-05	NCH-32	Water		10/3/2006 10:50	10/6/2006 09:20	☐
0610098-06	MW-53	Water		10/3/2006 11:00	10/6/2006 09:20	☐
0610098-07	MW-18	Water		10/3/2006 13:04	10/6/2006 09:20	☐
0610098-08	MW-29	Water		10/3/2006 15:03	10/6/2006 09:20	☐
0610098-09	NP-9	Water		10/3/2006 16:10	10/6/2006 09:20	☐
0610098-10	RW-1	Water		10/3/2006 16:51	10/6/2006 09:20	☐
0610098-11	NP-5	Water		10/3/2006 17:37	10/6/2006 09:20	☐
0610098-12	Field Blank.	Water		10/2/2006 16:08	10/6/2006 09:20	☐
0610098-13	Equipment Blank.	Water		10/2/2006 16:03	10/6/2006 09:20	☐
0610098-14	Equipment Blank	Water		10/3/2006 16:23	10/6/2006 09:20	☐
0610098-15	Field Blank	Water		10/3/2006 16:28	10/6/2006 09:20	☐
0610098-16	MW-1R	Water		10/4/2006 13:31	10/6/2006 09:20	☐
0610098-17	MW-15	Water		10/4/2006 14:24	10/6/2006 09:20	☐
0610098-18	OCD-1	Water		10/4/2006 16:07	10/6/2006 09:20	☐
0610098-19	OCD-2A	Water		10/5/2006 08:42	10/6/2006 09:20	☐
0610098-20	OCD-3	Water		10/5/2006 09:15	10/6/2006 09:20	☐
0610098-21	OCD-4	Water		10/5/2006 09:36	10/6/2006 09:20	☐
0610098-22	OCD-5	Water		10/5/2006 10:35	10/6/2006 09:20	☐
0610098-23	MW-11A	Water		10/5/2006 11:36	10/6/2006 09:20	☐
0610098-24	MW-6A	Water		10/5/2006 13:15	10/6/2006 09:20	☐
0610098-25	MW-3	Water		10/5/2006 14:12	10/6/2006 09:20	☐
0610098-26	DUPLICATE	Water		10/4/2006	10/6/2006 09:20	☐
0610098-27	Trip Blank 214	Trip Blank		10/5/2006	10/6/2006 09:20	☐
0610098-28	Trip Blank 0036	Trip Blank		10/5/2006	10/6/2006 09:20	☐
0610098-29	Trip Blank 1958	Trip Blank		10/5/2006	10/6/2006 09:20	☐
0610098-31	Trip Blank 2049	Trip Blank		10/5/2006	10/6/2006 09:20	☐
0610098-32	Trip Blanki 1090	Trip Blank		10/5/2006	10/6/2006 09:20	☐
0610098-33	Trip Blank 0371	Trip Blank		10/5/2006	10/6/2006 09:20	☐
0610098-34	Field Blank 10/4	Water		10/4/2006 14:24	10/6/2006 09:20	☐
0610098-35	Equipment Blank 10/4	Water		10/4/2006 14:30	10/6/2006 09:20	☐
0610098-36	Field Blank 10/5	Water		10/5/2006 13:40	10/6/2006 09:20	☐
0610098-37	Equipment Blank 10/5	Water		10/5/2006 13:30	10/6/2006 09:20	☐

e-Lab Analytical, Inc. **Date:** *October 24, 2006*

CLIENT: Navajo Refining Company
Project: Navajo Artesia
Work Order: 0610098

Case Narrative

pH was received outside of the recommended holding time.

Batch 8015 DRO (samples MW-23 and MW-28) Surrogates were diluted out of the samples.

Metals had several samples that could not be reported at a lower dilution due to high concentrations of non-targeted minerals.

Batch 20234 Metals (sample MW-43) MS/MSD recoveries were outside of control limits for several elements. RPD's within control limits.

Batch 20235 Metals (sample MW-3) MS/MSD recoveries were outside of control limits for Magnesium and Sodium. Both recoveries were O-flagged. Duplicate recovery for Barium (35.4%).

Batch's R42570 and R42584 Volatiles MS/MSD were unrelated samples.

Batch R42631 Volatiles (sample MW-29) MS/MSD RPD recovery was above the control limits for Bromomethane (24.2%). Recoveries met control limits in both LCS and MS/MSD.

Batch R42677 Volatiles (sample MW-11A) MS/MSD/RPD recoveries were outside of control limits for several compounds. All recoveries met method criteria in the LCS.

Batch's R42720, R42853, R42966, and R43031 Anions MS/MSD were unrelated samples.

Batch R42957 Anions (sample MW-3) MS/MSD recoveries were below the control limits for Nitrate/Nitrite (78.4% and 79.6%). RPD's within control limits.

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-01

Client Sample ID: MW-43
Collection Date: 10/2/2006 2:17:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	**3.0**		**0.50**	**mg/L**	10	10/18/2006 2:04:00 PM
Surr: 2-Fluorobiphenyl	*118*		*60-140*	*%REC*	10	10/18/2006 2:04:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 11:42:48 AM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0183**		**0.00500**	**mg/L**	1	10/14/2006 1:29:00 AM
Barium	**0.471**		**0.00500**	**mg/L**	1	10/14/2006 1:29:00 AM
Cadmium	ND		0.00200	mg/L	1	10/14/2006 1:29:00 AM
Chromium	ND		0.00500	mg/L	1	10/14/2006 1:29:00 AM
Lead	ND		0.00500	mg/L	1	10/14/2006 1:29:00 AM
Magnesium	**121**		**20.0**	**mg/L**	100	10/17/2006 2:47:00 AM
Potassium	**0.596**		**0.200**	**mg/L**	1	10/14/2006 1:29:00 AM
Selenium	ND		0.00500	mg/L	1	10/14/2006 1:29:00 AM
Silver	ND		0.00500	mg/L	1	10/14/2006 1:29:00 AM
Sodium	**706**		**20.0**	**mg/L**	100	10/17/2006 2:47:00 AM
Vanadium	ND		0.00500	mg/L	1	10/14/2006 1:29:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
1,2,4-Trimethylbenzene	**99**		**5.0**	**µg/L**	1	10/10/2006 4:18:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
1,3,5-Trimethylbenzene	**9.3**		**5.0**	**µg/L**	1	10/10/2006 4:18:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 4:18:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 4:18:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 4:18:00 PM
Acetone	ND		10	µg/L	1	10/10/2006 4:18:00 PM
Benzene	**3,700**		**120**	**µg/L**	25	10/11/2006 12:45:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
Bromoform	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 4:18:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 4:18:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-01

Client Sample ID: MW-43
Collection Date: 10/2/2006 2:17:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
Ethylbenzene	**210**		**120**	**µg/L**	25	10/11/2006 12:45:00 PM
Isopropylbenzene	**71**		**5.0**	**µg/L**	1	10/10/2006 4:18:00 PM
m,p-Xylene	**330**		**10**	**µg/L**	1	10/10/2006 4:18:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 4:18:00 PM
n-Butylbenzene	**8.9**		**5.0**	**µg/L**	1	10/10/2006 4:18:00 PM
n-Propylbenzene	**80**		**5.0**	**µg/L**	1	10/10/2006 4:18:00 PM
Naphthalene	**34**		**5.0**	**µg/L**	1	10/10/2006 4:18:00 PM
o-Xylene	**28**		**5.0**	**µg/L**	1	10/10/2006 4:18:00 PM
sec-Butylbenzene	**12**		**5.0**	**µg/L**	1	10/10/2006 4:18:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
Toluene	**62**		**5.0**	**µg/L**	1	10/10/2006 4:18:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 4:18:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 4:18:00 PM
Xylenes, Total	**360**		**15**	**µg/L**	1	10/10/2006 4:18:00 PM
Surr: 1,2-Dichloroethane-d4	*104*		*70-125*	*%REC*	1	10/10/2006 4:18:00 PM
Surr: 1,2-Dichloroethane-d4	*104*		*70-125*	*%REC*	25	10/11/2006 12:45:00 PM
Surr: 4-Bromofluorobenzene	*113*		*72.4-125*	*%REC*	1	10/10/2006 4:18:00 PM
Surr: 4-Bromofluorobenzene	*114*		*72.4-125*	*%REC*	25	10/11/2006 12:45:00 PM
Surr: Dibromofluoromethane	*111*		*71.2-125*	*%REC*	1	10/10/2006 4:18:00 PM
Surr: Dibromofluoromethane	*115*		*71.2-125*	*%REC*	25	10/11/2006 12:45:00 PM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	1	10/10/2006 4:18:00 PM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	25	10/11/2006 12:45:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**894**		**12.5**	**mg/L**	25	10/12/2006 7:10:00 AM
Fluoride	**1.24**		**0.100**	**mg/L**	1	10/11/2006 10:46:00 PM
Sulfate	**232**		**25.0**	**mg/L**	25	10/12/2006 7:10:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/10/2006 7:29:00 AM
Surr: Selenate (surr)	*98.1*		*80-120*	*%REC*	5	10/10/2006 7:29:00 AM
Surr: Selenate (surr)	*97.9*		*80-120*	*%REC*	1	10/11/2006 10:46:00 PM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT:	Navajo Refining Company	**Client Sample ID:**	MW-43
Work Order:	0610098	**Collection Date:**	10/2/2006 2:17:00 PM
Project:	Navajo Artesia		
Lab ID:	0610098-01	**Matrix:**	WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*96.5*		*80-120*	*%REC*	25	10/12/2006 7:10:00 AM
ALKALINITY			**E310.1**			Analyst: **IGF**
Alkalinity, Bicarbonate (As CaCO3)	**1,130**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**1,130**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**6.73**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**2,830**		**10.0**	**mg/L**	1	10/6/2006

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-02

Client Sample ID: MW-23
Collection Date: 10/2/2006 3:15:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	**5.5**		**0.50**	**mg/L**	10	10/18/2006 2:44:00 PM
Surr: 2-Fluorobiphenyl	*145*	S	*60-140*	*%REC*	10	10/18/2006 2:44:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 11:44:47 AM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0311**		**0.00500**	**mg/L**	1	10/14/2006 2:05:00 AM
Barium	**12.1**		**0.500**	**mg/L**	100	10/17/2006 3:11:00 AM
Cadmium	ND		0.00200	mg/L	1	10/14/2006 2:05:00 AM
Chromium	ND		0.00500	mg/L	1	10/14/2006 2:05:00 AM
Lead	ND		0.00500	mg/L	1	10/14/2006 2:05:00 AM
Magnesium	**122**		**20.0**	**mg/L**	100	10/17/2006 3:11:00 AM
Potassium	**1.50**		**0.200**	**mg/L**	1	10/14/2006 2:05:00 AM
Selenium	ND		0.00500	mg/L	1	10/14/2006 2:05:00 AM
Silver	ND		0.00500	mg/L	1	10/14/2006 2:05:00 AM
Sodium	**372**		**20.0**	**mg/L**	100	10/17/2006 3:11:00 AM
Vanadium	ND		0.00500	mg/L	1	10/14/2006 2:05:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
1,2,4-Trimethylbenzene	**590**		**250**	**µg/L**	50	10/11/2006 3:31:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
1,3,5-Trimethylbenzene	**120**		**5.0**	**µg/L**	1	10/11/2006 1:13:00 PM
2-Butanone	ND		10	µg/L	1	10/11/2006 1:13:00 PM
2-Hexanone	ND		10	µg/L	1	10/11/2006 1:13:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/11/2006 1:13:00 PM
Acetone	**14**		**10**	**µg/L**	1	10/11/2006 1:13:00 PM
Benzene	**15,000**		**500**	**µg/L**	100	10/12/2006 7:38:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
Bromoform	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
Bromomethane	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
Carbon disulfide	ND		10	µg/L	1	10/11/2006 1:13:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/11/2006 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-02

Client Sample ID: MW-23
Collection Date: 10/2/2006 3:15:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
Chloroethane	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
Chloroform	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
Chloromethane	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
Ethylbenzene	**2,100**		**250**	**µg/L**	50	10/11/2006 3:31:00 PM
Isopropylbenzene	**130**		**5.0**	**µg/L**	1	10/11/2006 1:13:00 PM
m,p-Xylene	**2,100**		**500**	**µg/L**	50	10/11/2006 3:31:00 PM
Methyl tert-butyl ether	**29**		**5.0**	**µg/L**	1	10/11/2006 1:13:00 PM
Methylene chloride	ND		10	µg/L	1	10/11/2006 1:13:00 PM
n-Butylbenzene	**31**		**5.0**	**µg/L**	1	10/11/2006 1:13:00 PM
n-Propylbenzene	**200**		**5.0**	**µg/L**	1	10/11/2006 1:13:00 PM
Naphthalene	**250**		**250**	**µg/L**	50	10/11/2006 3:31:00 PM
o-Xylene	ND		250	µg/L	50	10/11/2006 3:31:00 PM
sec-Butylbenzene	**18**		**5.0**	**µg/L**	1	10/11/2006 1:13:00 PM
Styrene	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
Toluene	**1,400**		**250**	**µg/L**	50	10/11/2006 3:31:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/11/2006 1:13:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/11/2006 1:13:00 PM
Xylenes, Total	**2,300**		**750**	**µg/L**	50	10/11/2006 3:31:00 PM
Surr: 1,2-Dichloroethane-d4	*98.8*		*70-125*	*%REC*	1	10/11/2006 1:13:00 PM
Surr: 1,2-Dichloroethane-d4	*105*		*70-125*	*%REC*	50	10/11/2006 3:31:00 PM
Surr: 1,2-Dichloroethane-d4	*104*		*70-125*	*%REC*	100	10/12/2006 7:38:00 PM
Surr: 4-Bromofluorobenzene	*108*		*72.4-125*	*%REC*	1	10/11/2006 1:13:00 PM
Surr: 4-Bromofluorobenzene	*110*		*72.4-125*	*%REC*	50	10/11/2006 3:31:00 PM
Surr: 4-Bromofluorobenzene	*111*		*72.4-125*	*%REC*	100	10/12/2006 7:38:00 PM
Surr: Dibromofluoromethane	*104*		*71.2-125*	*%REC*	1	10/11/2006 1:13:00 PM
Surr: Dibromofluoromethane	*118*		*71.2-125*	*%REC*	50	10/11/2006 3:31:00 PM
Surr: Dibromofluoromethane	*116*		*71.2-125*	*%REC*	100	10/12/2006 7:38:00 PM
Surr: Toluene-d8	*114*		*75-125*	*%REC*	1	10/11/2006 1:13:00 PM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	50	10/11/2006 3:31:00 PM
Surr: Toluene-d8	*115*		*75-125*	*%REC*	100	10/12/2006 7:38:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**501**		**10.0**	**mg/L**	20	10/15/2006 3:57:00 AM
Fluoride	**0.748**		**0.200**	**mg/L**	2	10/15/2006 3:36:00 AM

Qualifiers:

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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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-02

Client Sample ID: MW-23
Collection Date: 10/2/2006 3:15:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Sulfate	**5.93**		**2.00**	**mg/L**	2	10/15/2006 3:36:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/10/2006 8:13:00 AM
Surr: Selenate (surr)	*97.6*		*80-120*	*%REC*	5	10/10/2006 8:13:00 AM
Surr: Selenate (surr)	*97.0*		*80-120*	*%REC*	2	10/15/2006 3:36:00 AM
Surr: Selenate (surr)	*95.7*		*80-120*	*%REC*	20	10/15/2006 3:57:00 AM
ALKALINITY			**E310.1**			Analyst: **IGF**
Alkalinity, Bicarbonate (As CaCO3)	**1,040**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**1,040**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**6.59**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**1,980**		**10.0**	**mg/L**	1	10/6/2006

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e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-03

Client Sample ID: MW-44
Collection Date: 10/2/2006 5:07:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	**1.7**		**0.050**	**mg/L**	1	10/12/2006 12:45:00 AM
Surr: 2-Fluorobiphenyl	*75.2*		*60-140*	*%REC*	1	10/12/2006 12:45:00 AM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 11:46:46 AM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0525**		**0.00500**	**mg/L**	1	10/14/2006 2:17:00 AM
Barium	**0.0604**		**0.00500**	**mg/L**	1	10/14/2006 2:17:00 AM
Cadmium	ND		0.00200	mg/L	1	10/14/2006 2:17:00 AM
Chromium	**0.0103**		**0.00500**	**mg/L**	1	10/14/2006 2:17:00 AM
Lead	ND		0.00500	mg/L	1	10/14/2006 2:17:00 AM
Magnesium	**117**		**2.00**	**mg/L**	10	10/17/2006 3:17:00 AM
Potassium	**2.12**		**0.200**	**mg/L**	1	10/14/2006 2:17:00 AM
Selenium	ND		0.00500	mg/L	1	10/14/2006 2:17:00 AM
Silver	ND		0.00500	mg/L	1	10/14/2006 2:17:00 AM
Sodium	**72.0**		**2.00**	**mg/L**	10	10/17/2006 3:17:00 AM
Vanadium	ND		0.00500	mg/L	1	10/14/2006 2:17:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
1,2,4-Trimethylbenzene	**22**		**5.0**	**µg/L**	1	10/10/2006 6:08:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 6:08:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 6:08:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 6:08:00 PM
Acetone	ND		10	µg/L	1	10/10/2006 6:08:00 PM
Benzene	**140**		**5.0**	**µg/L**	1	10/10/2006 6:08:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
Bromoform	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 6:08:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 6:08:00 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

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-03

Client Sample ID: MW-44
Collection Date: 10/2/2006 5:07:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
Ethylbenzene	**74**		**5.0**	**µg/L**	1	10/10/2006 6:08:00 PM
Isopropylbenzene	**8.6**		**5.0**	**µg/L**	1	10/10/2006 6:08:00 PM
m,p-Xylene	**73**		**10**	**µg/L**	1	10/10/2006 6:08:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 6:08:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
n-Propylbenzene	**8.7**		**5.0**	**µg/L**	1	10/10/2006 6:08:00 PM
Naphthalene	**8.5**		**5.0**	**µg/L**	1	10/10/2006 6:08:00 PM
o-Xylene	**5.6**		**5.0**	**µg/L**	1	10/10/2006 6:08:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
Toluene	**23**		**5.0**	**µg/L**	1	10/10/2006 6:08:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 6:08:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 6:08:00 PM
Xylenes, Total	**79**		**15**	**µg/L**	1	10/10/2006 6:08:00 PM
Surr: 1,2-Dichloroethane-d4	*104*		*70-125*	*%REC*	1	10/10/2006 6:08:00 PM
Surr: 4-Bromofluorobenzene	*111*		*72.4-125*	*%REC*	1	10/10/2006 6:08:00 PM
Surr: Dibromofluoromethane	*113*		*71.2-125*	*%REC*	1	10/10/2006 6:08:00 PM
Surr: Toluene-d8	*114*		*75-125*	*%REC*	1	10/10/2006 6:08:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**182**		**10.0**	**mg/L**	20	10/15/2006 1:49:00 PM
Fluoride	**1.39**		**0.200**	**mg/L**	2	10/15/2006 6:09:00 AM
Sulfate	**575**		**20.0**	**mg/L**	20	10/15/2006 1:49:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/10/2006 8:57:00 AM
Surr: Selenate (surr)	*97.4*		*80-120*	*%REC*	5	10/10/2006 8:57:00 AM
Surr: Selenate (surr)	*96.0*		*80-120*	*%REC*	2	10/15/2006 6:09:00 AM
Surr: Selenate (surr)	*100*		*80-120*	*%REC*	20	10/15/2006 1:49:00 PM
ALKALINITY			**E310.1**			Analyst: **IGF**
Alkalinity, Bicarbonate (As CaCO3)	**543**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-03

Client Sample ID: MW-44
Collection Date: 10/2/2006 5:07:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**543**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**6.58**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**1,860**		**10.0**	**mg/L**	1	10/6/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-04

Client Sample ID: MW-28
Collection Date: 10/3/2006 8:52:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	**4.4**		**0.50**	**mg/L**	10	10/18/2006 3:24:00 PM
Surr: 2-Fluorobiphenyl	*178*	S	*60-140*	*%REC*	10	10/18/2006 3:24:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 11:48:45 AM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0146**		**0.00500**	**mg/L**	1	10/14/2006 3:41:00 AM
Barium	**0.0268**		**0.00500**	**mg/L**	1	10/14/2006 3:41:00 AM
Cadmium	ND		0.00200	mg/L	1	10/14/2006 3:41:00 AM
Chromium	ND		0.00500	mg/L	1	10/14/2006 3:41:00 AM
Lead	**0.0227**		**0.00500**	**mg/L**	1	10/14/2006 3:41:00 AM
Magnesium	**193**		**0.200**	**mg/L**	1	10/14/2006 3:41:00 AM
Potassium	**0.682**		**0.200**	**mg/L**	1	10/14/2006 3:41:00 AM
Selenium	ND		0.00500	mg/L	1	10/14/2006 3:41:00 AM
Silver	ND		0.00500	mg/L	1	10/14/2006 3:41:00 AM
Sodium	**86.3**		**0.200**	**mg/L**	1	10/14/2006 3:41:00 AM
Vanadium	ND		0.00500	mg/L	1	10/14/2006 3:41:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
1,2,4-Trimethylbenzene	**170**		**5.0**	**µg/L**	1	10/10/2006 6:35:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
1,3,5-Trimethylbenzene	**11**		**5.0**	**µg/L**	1	10/10/2006 6:35:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 6:35:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 6:35:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 6:35:00 PM
Acetone	ND		10	µg/L	1	10/10/2006 6:35:00 PM
Benzene	**490**		**250**	**µg/L**	50	10/11/2006 2:36:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
Bromoform	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 6:35:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 6:35:00 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

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-04

Client Sample ID: MW-28
Collection Date: 10/3/2006 8:52:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
Ethylbenzene	**130**		**5.0**	**µg/L**	1	10/10/2006 6:35:00 PM
Isopropylbenzene	**61**		**5.0**	**µg/L**	1	10/10/2006 6:35:00 PM
m,p-Xylene	**180**		**10**	**µg/L**	1	10/10/2006 6:35:00 PM
Methyl tert-butyl ether	**9,600**		**250**	**µg/L**	50	10/11/2006 2:36:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 6:35:00 PM
n-Butylbenzene	**9.2**		**5.0**	**µg/L**	1	10/10/2006 6:35:00 PM
n-Propylbenzene	**76**		**5.0**	**µg/L**	1	10/10/2006 6:35:00 PM
Naphthalene	**36**		**5.0**	**µg/L**	1	10/10/2006 6:35:00 PM
o-Xylene	**6.8**		**5.0**	**µg/L**	1	10/10/2006 6:35:00 PM
sec-Butylbenzene	**9.2**		**5.0**	**µg/L**	1	10/10/2006 6:35:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
Toluene	**14**		**5.0**	**µg/L**	1	10/10/2006 6:35:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 6:35:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 6:35:00 PM
Xylenes, Total	**180**		**15**	**µg/L**	1	10/10/2006 6:35:00 PM
Surr: 1,2-Dichloroethane-d4	*106*		*70-125*	*%REC*	1	10/10/2006 6:35:00 PM
Surr: 1,2-Dichloroethane-d4	*106*		*70-125*	*%REC*	50	10/11/2006 2:36:00 PM
Surr: 4-Bromofluorobenzene	*109*		*72.4-125*	*%REC*	1	10/10/2006 6:35:00 PM
Surr: 4-Bromofluorobenzene	*112*		*72.4-125*	*%REC*	50	10/11/2006 2:36:00 PM
Surr: Dibromofluoromethane	*118*		*71.2-125*	*%REC*	1	10/10/2006 6:35:00 PM
Surr: Dibromofluoromethane	*118*		*71.2-125*	*%REC*	50	10/11/2006 2:36:00 PM
Surr: Toluene-d8	*117*		*75-125*	*%REC*	1	10/10/2006 6:35:00 PM
Surr: Toluene-d8	*115*		*75-125*	*%REC*	50	10/11/2006 2:36:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**189**		**12.5**	**mg/L**	25	10/12/2006 7:32:00 AM
Fluoride	**0.845**		**0.100**	**mg/L**	1	10/11/2006 11:08:00 PM
Sulfate	**934**		**25.0**	**mg/L**	25	10/12/2006 7:32:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/11/2006 12:42:00 AM
Surr: Selenate (surr)	*97.3*		*80-120*	*%REC*	5	10/11/2006 12:42:00 AM
Surr: Selenate (surr)	*95.8*		*80-120*	*%REC*	1	10/11/2006 11:08:00 PM

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-04

Client Sample ID: MW-28
Collection Date: 10/3/2006 8:52:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*98.2*		*80-120*	*%REC*	25	10/12/2006 7:32:00 AM
ALKALINITY			**E310.1**			Analyst: **IGF**
Alkalinity, Bicarbonate (As CaCO3)	**687**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**687**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**6.45**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**2,480**		**10.0**	**mg/L**	1	10/6/2006

Qualifiers:

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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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-05

Client Sample ID: NCH-32
Collection Date: 10/3/2006 10:50:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	**0.16**		**0.050**	**mg/L**	1	10/12/2006 10:58:00 AM
Surr: 2-Fluorobiphenyl	*71.9*		*60-140*	*%REC*	1	10/12/2006 10:58:00 AM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 11:50:45 AM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.00732**		**0.00500**	**mg/L**	1	10/14/2006 3:47:00 AM
Barium	**0.0264**		**0.00500**	**mg/L**	1	10/14/2006 3:47:00 AM
Cadmium	ND		0.00200	mg/L	1	10/14/2006 3:47:00 AM
Chromium	ND		0.00500	mg/L	1	10/14/2006 3:47:00 AM
Lead	ND		0.00500	mg/L	1	10/14/2006 3:47:00 AM
Magnesium	**116**		**0.200**	**mg/L**	1	10/14/2006 3:47:00 AM
Potassium	**3.10**		**0.200**	**mg/L**	1	10/14/2006 3:47:00 AM
Selenium	ND		0.00500	mg/L	1	10/14/2006 3:47:00 AM
Silver	ND		0.00500	mg/L	1	10/14/2006 3:47:00 AM
Sodium	**55.6**		**0.200**	**mg/L**	1	10/14/2006 3:47:00 AM
Vanadium	**0.00694**		**0.00500**	**mg/L**	1	10/14/2006 3:47:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
1,2,4-Trimethylbenzene	**8.2**		**5.0**	**µg/L**	1	10/10/2006 7:03:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 7:03:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 7:03:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 7:03:00 PM
Acetone	ND		10	µg/L	1	10/10/2006 7:03:00 PM
Benzene	**36**		**5.0**	**µg/L**	1	10/10/2006 7:03:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Bromoform	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 7:03:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
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E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-05

Client Sample ID: NCH-32
Collection Date: 10/3/2006 10:50:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Ethylbenzene	**21**		**5.0**	**µg/L**	1	10/10/2006 7:03:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
m,p-Xylene	**23**		**10**	**µg/L**	1	10/10/2006 7:03:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 7:03:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Toluene	**5.4**		**5.0**	**µg/L**	1	10/10/2006 7:03:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 7:03:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 7:03:00 PM
Xylenes, Total	**25**		**15**	**µg/L**	1	10/10/2006 7:03:00 PM
Surr: 1,2-Dichloroethane-d4	*102*		*70-125*	*%REC*	1	10/10/2006 7:03:00 PM
Surr: 4-Bromofluorobenzene	*111*		*72.4-125*	*%REC*	1	10/10/2006 7:03:00 PM
Surr: Dibromofluoromethane	*117*		*71.2-125*	*%REC*	1	10/10/2006 7:03:00 PM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	1	10/10/2006 7:03:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**222**		**12.5**	**mg/L**	25	10/12/2006 7:54:00 AM
Fluoride	**1.57**		**0.100**	**mg/L**	1	10/11/2006 11:30:00 PM
Sulfate	**1,210**		**25.0**	**mg/L**	25	10/12/2006 7:54:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/10/2006 9:41:00 AM
Surr: Selenate (surr)	*97.3*		*80-120*	*%REC*	5	10/10/2006 9:41:00 AM
Surr: Selenate (surr)	*97.2*		*80-120*	*%REC*	25	10/12/2006 7:54:00 AM
Surr: Selenate (surr)	*96.7*		*80-120*	*%REC*	1	10/11/2006 11:30:00 PM
ALKALINITY			**E310.1**			Analyst: **IGF**
Alkalinity, Bicarbonate (As CaCO3)	**341**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-05

Client Sample ID: NCH-32
Collection Date: 10/3/2006 10:50:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**341**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**6.68**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**2,450**		**10.0**	**mg/L**	1	10/6/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-06

Client Sample ID: MW-53
Collection Date: 10/3/2006 11:00:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	ND		0.050	mg/L	1	10/12/2006 11:37:00 AM
Surr: 2-Fluorobiphenyl	*66.7*		*60-140*	*%REC*	1	10/12/2006 11:37:00 AM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 11:30:41 AM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.00698**		**0.00500**	**mg/L**	1	10/16/2006 11:11:00 PM
Barium	**0.0300**		**0.00500**	**mg/L**	1	10/16/2006 11:11:00 PM
Cadmium	ND		0.00200	mg/L	1	10/16/2006 11:11:00 PM
Chromium	**0.00558**		**0.00500**	**mg/L**	1	10/16/2006 11:11:00 PM
Lead	ND		0.00500	mg/L	1	10/16/2006 11:11:00 PM
Magnesium	**164**		**0.200**	**mg/L**	1	10/16/2006 11:11:00 PM
Potassium	**1.11**		**0.200**	**mg/L**	1	10/16/2006 11:11:00 PM
Selenium	ND		0.00500	mg/L	1	10/16/2006 11:11:00 PM
Silver	ND		0.00500	mg/L	1	10/16/2006 11:11:00 PM
Sodium	**118**		**0.200**	**mg/L**	1	10/16/2006 11:11:00 PM
Vanadium	**0.0146**		**0.00500**	**mg/L**	1	10/16/2006 11:11:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
1,2,4-Trimethylbenzene	**8.3**		**5.0**	**µg/L**	1	10/10/2006 7:31:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 7:31:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 7:31:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 7:31:00 PM
Acetone	ND		10	µg/L	1	10/10/2006 7:31:00 PM
Benzene	**30**		**5.0**	**µg/L**	1	10/10/2006 7:31:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Bromoform	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 7:31:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 7:31:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-06

Client Sample ID: MW-53
Collection Date: 10/3/2006 11:00:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Ethylbenzene	**20**		**5.0**	**µg/L**	1	10/10/2006 7:31:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
m,p-Xylene	**23**		**10**	**µg/L**	1	10/10/2006 7:31:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 7:31:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Toluene	**5.1**		**5.0**	**µg/L**	1	10/10/2006 7:31:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 7:31:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 7:31:00 PM
Xylenes, Total	**24**		**15**	**µg/L**	1	10/10/2006 7:31:00 PM
Surr: 1,2-Dichloroethane-d4	*101*		*70-125*	*%REC*	1	10/10/2006 7:31:00 PM
Surr: 4-Bromofluorobenzene	*110*		*72.4-125*	*%REC*	1	10/10/2006 7:31:00 PM
Surr: Dibromofluoromethane	*114*		*71.2-125*	*%REC*	1	10/10/2006 7:31:00 PM
Surr: Toluene-d8	*113*		*75-125*	*%REC*	1	10/10/2006 7:31:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**110**		**12.5**	**mg/L**	25	10/12/2006 8:16:00 AM
Fluoride	**0.770**		**0.100**	**mg/L**	1	10/12/2006 1:19:00 AM
Sulfate	**1,220**		**25.0**	**mg/L**	25	10/12/2006 8:16:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/10/2006 10:25:00 AM
Surr: Selenate (surr)	*97.9*		*80-120*	*%REC*	5	10/10/2006 10:25:00 AM
Surr: Selenate (surr)	*97.1*		*80-120*	*%REC*	25	10/12/2006 8:16:00 AM
Surr: Selenate (surr)	*96.6*		*80-120*	*%REC*	1	10/12/2006 1:19:00 AM
ALKALINITY			**E310.1**			Analyst: **IGF**
Alkalinity, Bicarbonate (As CaCO3)	**266**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-06

Client Sample ID: MW-53
Collection Date: 10/3/2006 11:00:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**266**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**6.87**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**2,380**		**10.0**	**mg/L**	1	10/6/2006

Qualifiers:

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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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-07

Client Sample ID: MW-18
Collection Date: 10/3/2006 1:04:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	**0.39**		**0.050**	**mg/L**	1	10/12/2006 12:16:00 PM
Surr: 2-Fluorobiphenyl	*66.7*		*60-140*	*%REC*	1	10/12/2006 12:16:00 PM
GASOLINE RANGE ORGANICS			**SW8015**			Analyst: **ABE**
Gasoline Range Organics	**0.104**		**0.0500**	**mg/L**	1	10/16/2006 6:41:00 PM
Surr: 4-Bromofluorobenzene	*104*		*70-130*	*%REC*	1	10/16/2006 6:41:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 11:52:45 AM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0114**		**0.00500**	**mg/L**	1	10/16/2006 11:18:00 PM
Barium	**0.0151**		**0.00500**	**mg/L**	1	10/16/2006 11:18:00 PM
Cadmium	ND		0.00200	mg/L	1	10/16/2006 11:18:00 PM
Chromium	**0.0106**		**0.00500**	**mg/L**	1	10/16/2006 11:18:00 PM
Lead	ND		0.00500	mg/L	1	10/16/2006 11:18:00 PM
Magnesium	**189**		**2.00**	**mg/L**	10	10/18/2006 4:24:00 PM
Potassium	**1.33**		**0.200**	**mg/L**	1	10/16/2006 11:18:00 PM
Selenium	**0.00704**		**0.00500**	**mg/L**	1	10/16/2006 11:18:00 PM
Silver	ND		0.00500	mg/L	1	10/16/2006 11:18:00 PM
Sodium	**78.5**		**2.00**	**mg/L**	10	10/18/2006 4:24:00 PM
Vanadium	**0.0205**		**0.00500**	**mg/L**	1	10/16/2006 11:18:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 7:59:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 7:59:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 7:59:00 PM
Acetone	ND		10	µg/L	1	10/10/2006 7:59:00 PM
Benzene	**9.0**		**5.0**	**µg/L**	1	10/10/2006 7:59:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-07

Client Sample ID: MW-18
Collection Date: 10/3/2006 1:04:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 7:59:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Ethylbenzene	**8.9**		**5.0**	**µg/L**	1	10/10/2006 7:59:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 7:59:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 7:59:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Toluene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 7:59:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 7:59:00 PM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 7:59:00 PM
Surr: 1,2-Dichloroethane-d4	*103*		*70-125*	*%REC*	1	10/10/2006 7:59:00 PM
Surr: 4-Bromofluorobenzene	*110*		*72.4-125*	*%REC*	1	10/10/2006 7:59:00 PM
Surr: Dibromofluoromethane	*116*		*71.2-125*	*%REC*	1	10/10/2006 7:59:00 PM
Surr: Toluene-d8	*117*		*75-125*	*%REC*	1	10/10/2006 7:59:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**192**		**12.5**	**mg/L**	25	10/15/2006 2:11:00 PM
Fluoride	**0.872**		**0.200**	**mg/L**	2	10/15/2006 6:53:00 AM
Sulfate	**1,210**		**25.0**	**mg/L**	25	10/15/2006 2:11:00 PM
Nitrate/Nitrite (as N)	**10.0**		**0.500**	**mg/L**	5	10/10/2006 3:34:00 PM
Surr: Selenate (surr)	*96.7*		*80-120*	*%REC*	5	10/10/2006 3:34:00 PM
Surr: Selenate (surr)	*95.8*		*80-120*	*%REC*	2	10/15/2006 6:53:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-07

Client Sample ID: MW-18
Collection Date: 10/3/2006 1:04:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*98.5*		*80-120*	*%REC*	25	10/15/2006 2:11:00 PM
ALKALINITY			**E310.1**			Analyst: **IGF**
Alkalinity, Bicarbonate (As CaCO3)	**399**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**399**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**6.74**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**2,600**		**10.0**	**mg/L**	1	10/6/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-08

Client Sample ID: MW-29
Collection Date: 10/3/2006 3:03:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	**1.4**		**0.050**	**mg/L**	1	10/12/2006 2:13:00 PM
Surr: 2-Fluorobiphenyl	*75.8*		*60-140*	*%REC*	1	10/12/2006 2:13:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 3:48:04 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0371**		**0.00500**	**mg/L**	1	10/16/2006 11:24:00 PM
Barium	**0.0187**		**0.00500**	**mg/L**	1	10/16/2006 11:24:00 PM
Cadmium	ND		0.00200	mg/L	1	10/16/2006 11:24:00 PM
Chromium	**0.00614**		**0.00500**	**mg/L**	1	10/16/2006 11:24:00 PM
Lead	ND		0.00500	mg/L	1	10/16/2006 11:24:00 PM
Magnesium	**455**		**20.0**	**mg/L**	100	10/17/2006 3:23:00 AM
Potassium	**9.32**		**0.200**	**mg/L**	1	10/16/2006 11:24:00 PM
Selenium	**0.00518**		**0.00500**	**mg/L**	1	10/16/2006 11:24:00 PM
Silver	ND		0.00500	mg/L	1	10/16/2006 11:24:00 PM
Sodium	**388**		**20.0**	**mg/L**	100	10/17/2006 3:23:00 AM
Vanadium	**0.0455**		**0.00500**	**mg/L**	1	10/16/2006 11:24:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
2-Butanone	ND		10	µg/L	1	10/11/2006 2:08:00 PM
2-Hexanone	ND		10	µg/L	1	10/11/2006 2:08:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/11/2006 2:08:00 PM
Acetone	ND		10	µg/L	1	10/11/2006 2:08:00 PM
Benzene	**11**		**5.0**	**µg/L**	1	10/11/2006 2:08:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Bromoform	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Bromomethane	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Carbon disulfide	ND		10	µg/L	1	10/11/2006 2:08:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/11/2006 2:08:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-08

Client Sample ID: MW-29
Collection Date: 10/3/2006 3:03:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Chloroethane	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Chloroform	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Chloromethane	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Ethylbenzene	**9.8**		**5.0**	**µg/L**	1	10/11/2006 2:08:00 PM
Isopropylbenzene	**6.9**		**5.0**	**µg/L**	1	10/11/2006 2:08:00 PM
m,p-Xylene	**11**		**10**	**µg/L**	1	10/11/2006 2:08:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Methylene chloride	ND		10	µg/L	1	10/11/2006 2:08:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Naphthalene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
o-Xylene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Styrene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Toluene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/11/2006 2:08:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/11/2006 2:08:00 PM
Xylenes, Total	ND		15	µg/L	1	10/11/2006 2:08:00 PM
Surr: 1,2-Dichloroethane-d4	*102*		*70-125*	*%REC*	1	10/11/2006 2:08:00 PM
Surr: 4-Bromofluorobenzene	*111*		*72.4-125*	*%REC*	1	10/11/2006 2:08:00 PM
Surr: Dibromofluoromethane	*116*		*71.2-125*	*%REC*	1	10/11/2006 2:08:00 PM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	1	10/11/2006 2:08:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**610**		**12.5**	**mg/L**	25	10/12/2006 8:37:00 AM
Chloride	**563**		**25.0**	**mg/L**	50	10/15/2006 4:44:00 PM
Fluoride	**3.52**		**0.100**	**mg/L**	1	10/12/2006 1:41:00 AM
Sulfate	**2,480**		**50.0**	**mg/L**	50	10/15/2006 4:44:00 PM
Nitrate/Nitrite (as N)	**0.828**		**0.500**	**mg/L**	5	10/10/2006 10:08:00 PM
Surr: Selenate (surr)	*95.1*		*80-120*	*%REC*	1	10/12/2006 1:41:00 AM
Surr: Selenate (surr)	*98.9*		*80-120*	*%REC*	5	10/10/2006 10:08:00 PM
Surr: Selenate (surr)	*97.8*		*80-120*	*%REC*	50	10/15/2006 4:44:00 PM
Surr: Selenate (surr)	*96.6*		*80-120*	*%REC*	25	10/12/2006 8:37:00 AM
ALKALINITY			**E310.1**			Analyst: **IGF**

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-08

Client Sample ID: MW-29
Collection Date: 10/3/2006 3:03:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Bicarbonate (As CaCO3)	**564**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**564**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**6.67**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**5,250**		**10.0**	**mg/L**	1	10/6/2006

Qualifiers:

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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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-09

Client Sample ID: NP-9
Collection Date: 10/3/2006 4:10:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	ND		0.050	mg/L	1	10/12/2006 2:52:00 PM
Surr: 2-Fluorobiphenyl	*65.4*		*60-140*	*%REC*	1	10/12/2006 2:52:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 3:05:55 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0118**		**0.00500**	**mg/L**	1	10/16/2006 11:36:00 PM
Barium	**0.0156**		**0.00500**	**mg/L**	1	10/16/2006 11:36:00 PM
Cadmium	ND		0.00200	mg/L	1	10/16/2006 11:36:00 PM
Chromium	**0.00774**		**0.00500**	**mg/L**	1	10/16/2006 11:36:00 PM
Lead	ND		0.00500	mg/L	1	10/16/2006 11:36:00 PM
Magnesium	**366**		**20.0**	**mg/L**	100	10/17/2006 3:29:00 AM
Potassium	**0.995**		**0.200**	**mg/L**	1	10/16/2006 11:36:00 PM
Selenium	**0.0129**		**0.00500**	**mg/L**	1	10/16/2006 11:36:00 PM
Silver	ND		0.00500	mg/L	1	10/16/2006 11:36:00 PM
Sodium	**147**		**20.0**	**mg/L**	100	10/17/2006 3:29:00 AM
Vanadium	**0.0266**		**0.00500**	**mg/L**	1	10/16/2006 11:36:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 8:27:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 8:27:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 8:27:00 PM
Acetone	ND		10	µg/L	1	10/10/2006 8:27:00 PM
Benzene	**8.2**		**5.0**	**µg/L**	1	10/10/2006 8:27:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Bromoform	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 8:27:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 8:27:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-09

Client Sample ID: NP-9
Collection Date: 10/3/2006 4:10:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Ethylbenzene	**8.2**		**5.0**	**µg/L**	1	10/10/2006 8:27:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 8:27:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 8:27:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Toluene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 8:27:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 8:27:00 PM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 8:27:00 PM
Surr: 1,2-Dichloroethane-d4	*105*		*70-125*	*%REC*	1	10/10/2006 8:27:00 PM
Surr: 4-Bromofluorobenzene	*111*		*72.4-125*	*%REC*	1	10/10/2006 8:27:00 PM
Surr: Dibromofluoromethane	*118*		*71.2-125*	*%REC*	1	10/10/2006 8:27:00 PM
Surr: Toluene-d8	*115*		*75-125*	*%REC*	1	10/10/2006 8:27:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**290**		**12.5**	**mg/L**	25	10/12/2006 8:59:00 AM
Chloride	**280**		**25.0**	**mg/L**	50	10/15/2006 5:06:00 PM
Fluoride	**3.02**		**0.100**	**mg/L**	1	10/12/2006 2:03:00 AM
Sulfate	**2,310**		**50.0**	**mg/L**	50	10/15/2006 5:06:00 PM
Nitrate/Nitrite (as N)	**0.929**		**0.500**	**mg/L**	5	10/10/2006 10:52:00 PM
Surr: Selenate (surr)	*96.8*		*80-120*	*%REC*	1	10/12/2006 2:03:00 AM
Surr: Selenate (surr)	*98.7*		*80-120*	*%REC*	5	10/10/2006 10:52:00 PM
Surr: Selenate (surr)	*98.6*		*80-120*	*%REC*	50	10/15/2006 5:06:00 PM
Surr: Selenate (surr)	*97.2*		*80-120*	*%REC*	25	10/12/2006 8:59:00 AM
ALKALINITY			**E310.1**			Analyst: **RPM**

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-09

Client Sample ID: NP-9
Collection Date: 10/3/2006 4:10:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Bicarbonate (As CaCO3)	**297**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**297**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**6.86**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**4,240**		**10.0**	**mg/L**	1	10/6/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-10

Client Sample ID: RW-1
Collection Date: 10/3/2006 4:51:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 3:07:55 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.00709**		**0.00500**	**mg/L**	1	10/14/2006 4:41:00 AM
Barium	**0.0346**		**0.00500**	**mg/L**	1	10/14/2006 4:41:00 AM
Cadmium	ND		0.00200	mg/L	1	10/14/2006 4:41:00 AM
Chromium	**0.00595**		**0.00500**	**mg/L**	1	10/14/2006 4:41:00 AM
Lead	ND		0.00500	mg/L	1	10/16/2006 11:42:00 PM
Magnesium	**140**		**0.200**	**mg/L**	1	10/14/2006 4:41:00 AM
Potassium	**9.83**		**0.200**	**mg/L**	1	10/14/2006 4:41:00 AM
Selenium	ND		0.00500	mg/L	1	10/14/2006 4:41:00 AM
Silver	ND		0.00500	mg/L	1	10/14/2006 4:41:00 AM
Sodium	**196**		**0.200**	**mg/L**	1	10/14/2006 4:41:00 AM
Vanadium	ND		0.00500	mg/L	1	10/14/2006 4:41:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
1,2,4-Trimethylbenzene	**270**		**50**	**µg/L**	10	10/11/2006 5:23:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
1,2-Dichloroethane	**17**		**5.0**	**µg/L**	1	10/11/2006 3:04:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
1,3,5-Trimethylbenzene	**7.7**		**5.0**	**µg/L**	1	10/11/2006 3:04:00 PM
2-Butanone	ND		10	µg/L	1	10/11/2006 3:04:00 PM
2-Hexanone	ND		10	µg/L	1	10/11/2006 3:04:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/11/2006 3:04:00 PM
Acetone	ND		10	µg/L	1	10/11/2006 3:04:00 PM
Benzene	**840**		**50**	**µg/L**	10	10/11/2006 5:23:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
Bromoform	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
Bromomethane	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
Carbon disulfide	ND		10	µg/L	1	10/11/2006 3:04:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
Chloroethane	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
Chloroform	ND		5.0	µg/L	1	10/11/2006 3:04:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-10

Client Sample ID: RW-1
Collection Date: 10/3/2006 4:51:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloromethane	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
cis-1,2-Dichloroethene	**8.2**		**5.0**	**µg/L**	1	10/11/2006 3:04:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
Ethylbenzene	**120**		**5.0**	**µg/L**	1	10/11/2006 3:04:00 PM
Isopropylbenzene	**55**		**5.0**	**µg/L**	1	10/11/2006 3:04:00 PM
m,p-Xylene	**250**		**10**	**µg/L**	1	10/11/2006 3:04:00 PM
Methyl tert-butyl ether	**13**		**5.0**	**µg/L**	1	10/11/2006 3:04:00 PM
Methylene chloride	ND		10	µg/L	1	10/11/2006 3:04:00 PM
n-Butylbenzene	**17**		**5.0**	**µg/L**	1	10/11/2006 3:04:00 PM
n-Propylbenzene	**71**		**5.0**	**µg/L**	1	10/11/2006 3:04:00 PM
Naphthalene	**20**		**5.0**	**µg/L**	1	10/11/2006 3:04:00 PM
o-Xylene	**12**		**5.0**	**µg/L**	1	10/11/2006 3:04:00 PM
sec-Butylbenzene	**14**		**5.0**	**µg/L**	1	10/11/2006 3:04:00 PM
Styrene	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
Tetrachloroethene	**110**		**5.0**	**µg/L**	1	10/11/2006 3:04:00 PM
Toluene	**10**		**5.0**	**µg/L**	1	10/11/2006 3:04:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 3:04:00 PM
Trichloroethene	**270**		**50**	**µg/L**	10	10/11/2006 5:23:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/11/2006 3:04:00 PM
Xylenes, Total	**260**		**15**	**µg/L**	1	10/11/2006 3:04:00 PM
Surr: 1,2-Dichloroethane-d4	*105*		*70-125*	*%REC*	1	10/11/2006 3:04:00 PM
Surr: 1,2-Dichloroethane-d4	*103*		*70-125*	*%REC*	10	10/11/2006 5:23:00 PM
Surr: 4-Bromofluorobenzene	*114*		*72.4-125*	*%REC*	1	10/11/2006 3:04:00 PM
Surr: 4-Bromofluorobenzene	*113*		*72.4-125*	*%REC*	10	10/11/2006 5:23:00 PM
Surr: Dibromofluoromethane	*115*		*71.2-125*	*%REC*	1	10/11/2006 3:04:00 PM
Surr: Dibromofluoromethane	*116*		*71.2-125*	*%REC*	10	10/11/2006 5:23:00 PM
Surr: Toluene-d8	*117*		*75-125*	*%REC*	1	10/11/2006 3:04:00 PM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	10	10/11/2006 5:23:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**97.2**		**12.5**	**mg/L**	25	10/12/2006 9:21:00 AM
Fluoride	**2.34**		**0.100**	**mg/L**	1	10/12/2006 2:25:00 AM
Sulfate	**1,690**		**50.0**	**mg/L**	50	10/15/2006 5:28:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/10/2006 11:36:00 PM
Surr: Selenate (surr)	*98.6*		*80-120*	*%REC*	5	10/10/2006 11:36:00 PM
Surr: Selenate (surr)	*95.5*		*80-120*	*%REC*	1	10/12/2006 2:25:00 AM
Surr: Selenate (surr)	*96.8*		*80-120*	*%REC*	25	10/12/2006 9:21:00 AM
Surr: Selenate (surr)	*97.9*		*80-120*	*%REC*	50	10/15/2006 5:28:00 PM
ALKALINITY			**E310.1**			Analyst: **RPM**

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-10

Client Sample ID: RW-1
Collection Date: 10/3/2006 4:51:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Bicarbonate (As CaCO3)	**704**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**704**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**6.78**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**3,650**		**10.0**	**mg/L**	1	10/6/2006

Qualifiers:

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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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-11

Client Sample ID: NP-5
Collection Date: 10/3/2006 5:37:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	ND		0.050	mg/L	1	10/11/2006 5:37:00 PM
Surr: 2-Fluorobiphenyl	*68.5*		*60-140*	*%REC*	1	10/11/2006 5:37:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 3:09:55 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.00842**		**0.00500**	**mg/L**	1	10/14/2006 4:47:00 AM
Barium	**0.0123**		**0.00500**	**mg/L**	1	10/14/2006 4:47:00 AM
Cadmium	ND		0.00200	mg/L	1	10/14/2006 4:47:00 AM
Chromium	ND		0.00500	mg/L	1	10/14/2006 4:47:00 AM
Lead	ND		0.0100	mg/L	2	10/17/2006 12:06:00 AM
Magnesium	**578**		**20.0**	**mg/L**	100	10/17/2006 3:35:00 AM
Potassium	**0.527**		**0.200**	**mg/L**	1	10/14/2006 4:47:00 AM
Selenium	**0.0950**		**0.00500**	**mg/L**	1	10/14/2006 4:47:00 AM
Silver	ND		0.00500	mg/L	1	10/14/2006 4:47:00 AM
Sodium	**546**		**20.0**	**mg/L**	100	10/17/2006 3:35:00 AM
Vanadium	**0.0215**		**0.00500**	**mg/L**	1	10/14/2006 4:47:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 8:54:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 8:54:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 8:54:00 PM
Acetone	ND		10	µg/L	1	10/10/2006 8:54:00 PM
Benzene	**9.7**		**5.0**	**µg/L**	1	10/10/2006 8:54:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Bromoform	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 8:54:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-11

Client Sample ID: NP-5
Collection Date: 10/3/2006 5:37:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Ethylbenzene	**8.7**		**5.0**	**µg/L**	1	10/10/2006 8:54:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 8:54:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 8:54:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Toluene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 8:54:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 8:54:00 PM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 8:54:00 PM
Surr: 1,2-Dichloroethane-d4	*107*		*70-125*	*%REC*	1	10/10/2006 8:54:00 PM
Surr: 4-Bromofluorobenzene	*110*		*72.4-125*	*%REC*	1	10/10/2006 8:54:00 PM
Surr: Dibromofluoromethane	*117*		*71.2-125*	*%REC*	1	10/10/2006 8:54:00 PM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	1	10/10/2006 8:54:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **LMD**
Chloride	**198**		**2.50**	**mg/L**	5	10/21/2006 4:01:00 PM
Chloride	**204**		**12.5**	**mg/L**	25	10/12/2006 9:43:00 AM
Fluoride	**2.46**		**0.100**	**mg/L**	1	10/12/2006 2:47:00 AM
Sulfate	**4,340**		**100**	**mg/L**	100	10/15/2006 3:14:00 AM
Nitrate/Nitrite (as N)	**3.27**		**0.500**	**mg/L**	5	10/11/2006 1:26:00 AM
Surr: Selenate (surr)	*93.1*		*80-120*	*%REC*	1	10/12/2006 2:47:00 AM
Surr: Selenate (surr)	*96.1*		*80-120*	*%REC*	5	10/11/2006 1:26:00 AM
Surr: Selenate (surr)	*97.6*		*80-120*	*%REC*	100	10/15/2006 3:14:00 AM
Surr: Selenate (surr)	*97.4*		*80-120*	*%REC*	25	10/12/2006 9:43:00 AM
Surr: Selenate (surr)	*95.6*		*80-120*	*%REC*	5	10/21/2006 4:01:00 PM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-11

Client Sample ID: NP-5
Collection Date: 10/3/2006 5:37:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**297**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**297**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**6.94**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**7,240**		**10.0**	**mg/L**	1	10/6/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-12

Client Sample ID: Field Blank.
Collection Date: 10/2/2006 4:08:00 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	10/10/2006 2:01:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 2:01:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 2:01:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 2:01:00 PM
Acetone	**15**		**10**	**µg/L**	1	10/10/2006 2:01:00 PM
Benzene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Bromoform	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 2:01:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 2:01:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 2:01:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 2:01:00 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

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-12

Client Sample ID: Field Blank.
Collection Date: 10/2/2006 4:08:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Toluene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 2:01:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 2:01:00 PM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 2:01:00 PM
Surr: 1,2-Dichloroethane-d4	*102*		*70-125*	*%REC*	1	10/10/2006 2:01:00 PM
Surr: 4-Bromofluorobenzene	*112*		*72.4-125*	*%REC*	1	10/10/2006 2:01:00 PM
Surr: Dibromofluoromethane	*118*		*71.2-125*	*%REC*	1	10/10/2006 2:01:00 PM
Surr: Toluene-d8	*115*		*75-125*	*%REC*	1	10/10/2006 2:01:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-13

Client Sample ID: Equipment Blank.
Collection Date: 10/2/2006 4:03:00 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	10/10/2006 2:55:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
1,2,4-Trimethylbenzene	**27**		**5.0**	**µg/L**	1	10/10/2006 2:55:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 2:55:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 2:55:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 2:55:00 PM
Acetone	**14**		**10**	**µg/L**	1	10/10/2006 2:55:00 PM
Benzene	**150**		**5.0**	**µg/L**	1	10/10/2006 2:55:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
Bromoform	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 2:55:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
Ethylbenzene	**97**		**5.0**	**µg/L**	1	10/10/2006 2:55:00 PM
Isopropylbenzene	**8.1**		**5.0**	**µg/L**	1	10/10/2006 2:55:00 PM
m,p-Xylene	**94**		**10**	**µg/L**	1	10/10/2006 2:55:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 2:55:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
n-Propylbenzene	**10**		**5.0**	**µg/L**	1	10/10/2006 2:55:00 PM
Naphthalene	**9.5**		**5.0**	**µg/L**	1	10/10/2006 2:55:00 PM
o-Xylene	**7.0**		**5.0**	**µg/L**	1	10/10/2006 2:55:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 2:55:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-13

Client Sample ID: Equipment Blank.
Collection Date: 10/2/2006 4:03:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
Toluene	**29**		**5.0**	**µg/L**	1	10/10/2006 2:55:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 2:55:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 2:55:00 PM
Xylenes, Total	**100**		**15**	**µg/L**	1	10/10/2006 2:55:00 PM
Surr: 1,2-Dichloroethane-d4	*102*		*70-125*	*%REC*	1	10/10/2006 2:55:00 PM
Surr: 4-Bromofluorobenzene	*111*		*72.4-125*	*%REC*	1	10/10/2006 2:55:00 PM
Surr: Dibromofluoromethane	*114*		*71.2-125*	*%REC*	1	10/10/2006 2:55:00 PM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	1	10/10/2006 2:55:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-14

Client Sample ID: Equipment Blank
Collection Date: 10/3/2006 4:23:00 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	10/10/2006 3:23:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
1,2,4-Trimethylbenzene	**6.5**		**5.0**	**µg/L**	1	10/10/2006 3:23:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 3:23:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 3:23:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 3:23:00 PM
Acetone	**17**		**10**	**µg/L**	1	10/10/2006 3:23:00 PM
Benzene	**13**		**5.0**	**µg/L**	1	10/10/2006 3:23:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Bromoform	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 3:23:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Ethylbenzene	**13**		**5.0**	**µg/L**	1	10/10/2006 3:23:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
m,p-Xylene	**15**		**10**	**µg/L**	1	10/10/2006 3:23:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 3:23:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 3:23:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-14

Client Sample ID: Equipment Blank
Collection Date: 10/3/2006 4:23:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Toluene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 3:23:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 3:23:00 PM
Xylenes, Total	**16**		**15**	**µg/L**	1	10/10/2006 3:23:00 PM
Surr: 1,2-Dichloroethane-d4	*101*		*70-125*	*%REC*	1	10/10/2006 3:23:00 PM
Surr: 4-Bromofluorobenzene	*110*		*72.4-125*	*%REC*	1	10/10/2006 3:23:00 PM
Surr: Dibromofluoromethane	*116*		*71.2-125*	*%REC*	1	10/10/2006 3:23:00 PM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	1	10/10/2006 3:23:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-15

Client Sample ID: Field Blank
Collection Date: 10/3/2006 4:28:00 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	10/10/2006 3:51:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 3:51:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 3:51:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 3:51:00 PM
Acetone	**18**		**10**	**µg/L**	1	10/10/2006 3:51:00 PM
Benzene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Bromoform	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 3:51:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 3:51:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 3:51:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 3:51:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-15

Client Sample ID: Field Blank
Collection Date: 10/3/2006 4:28:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Toluene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 3:51:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 3:51:00 PM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 3:51:00 PM
Surr: 1,2-Dichloroethane-d4	*106*		*70-125*	*%REC*	1	10/10/2006 3:51:00 PM
Surr: 4-Bromofluorobenzene	*108*		*72.4-125*	*%REC*	1	10/10/2006 3:51:00 PM
Surr: Dibromofluoromethane	*117*		*71.2-125*	*%REC*	1	10/10/2006 3:51:00 PM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	1	10/10/2006 3:51:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-16

Client Sample ID: MW-1R
Collection Date: 10/4/2006 1:31:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	ND		0.050	mg/L	1	10/11/2006 6:16:00 PM
Surr: 2-Fluorobiphenyl	*68.7*		*60-140*	*%REC*	1	10/11/2006 6:16:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 3:11:54 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0120**		**0.00500**	**mg/L**	1	10/14/2006 4:53:00 AM
Barium	**0.0400**		**0.00500**	**mg/L**	1	10/14/2006 4:53:00 AM
Cadmium	ND		0.00200	mg/L	1	10/14/2006 4:53:00 AM
Chromium	ND		0.00500	mg/L	1	10/14/2006 4:53:00 AM
Lead	ND		0.0100	mg/L	2	10/17/2006 12:12:00 AM
Magnesium	**376**		**20.0**	**mg/L**	100	10/17/2006 3:41:00 AM
Potassium	**6.52**		**0.200**	**mg/L**	1	10/14/2006 4:53:00 AM
Selenium	**0.00627**		**0.00500**	**mg/L**	1	10/14/2006 4:53:00 AM
Silver	ND		0.00500	mg/L	1	10/14/2006 4:53:00 AM
Sodium	**1,500**		**20.0**	**mg/L**	100	10/17/2006 3:41:00 AM
Vanadium	ND		0.00500	mg/L	1	10/14/2006 4:53:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
2-Butanone	ND		10	µg/L	1	10/11/2006 3:59:00 PM
2-Hexanone	ND		10	µg/L	1	10/11/2006 3:59:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/11/2006 3:59:00 PM
Acetone	ND		10	µg/L	1	10/11/2006 3:59:00 PM
Benzene	**15**		**5.0**	**µg/L**	1	10/11/2006 3:59:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Bromoform	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Bromomethane	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Carbon disulfide	ND		10	µg/L	1	10/11/2006 3:59:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/11/2006 3:59:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-16

Client Sample ID: MW-1R
Collection Date: 10/4/2006 1:31:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Chloroethane	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Chloroform	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Chloromethane	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Ethylbenzene	**10**		**5.0**	**µg/L**	1	10/11/2006 3:59:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
m,p-Xylene	**12**		**10**	**µg/L**	1	10/11/2006 3:59:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Methylene chloride	ND		10	µg/L	1	10/11/2006 3:59:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Naphthalene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
o-Xylene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Styrene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Toluene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/11/2006 3:59:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/11/2006 3:59:00 PM
Xylenes, Total	ND		15	µg/L	1	10/11/2006 3:59:00 PM
Surr: 1,2-Dichloroethane-d4	*105*		*70-125*	*%REC*	1	10/11/2006 3:59:00 PM
Surr: 4-Bromofluorobenzene	*114*		*72.4-125*	*%REC*	1	10/11/2006 3:59:00 PM
Surr: Dibromofluoromethane	*116*		*71.2-125*	*%REC*	1	10/11/2006 3:59:00 PM
Surr: Toluene-d8	*117*		*75-125*	*%REC*	1	10/11/2006 3:59:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**3,380**		**50.0**	**mg/L**	100	10/14/2006 3:29:00 AM
Fluoride	**1.10**		**0.100**	**mg/L**	1	10/12/2006 3:09:00 AM
Sulfate	**2,610**		**100**	**mg/L**	100	10/14/2006 3:29:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/11/2006 3:37:00 AM
Surr: Selenate (surr)	*96.6*		*80-120*	*%REC*	5	10/11/2006 3:37:00 AM
Surr: Selenate (surr)	*99.2*		*80-120*	*%REC*	100	10/14/2006 3:29:00 AM
Surr: Selenate (surr)	*90.7*		*80-120*	*%REC*	1	10/12/2006 3:09:00 AM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**271**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-16

Client Sample ID: MW-1R
Collection Date: 10/4/2006 1:31:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**271**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**7.09**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**9,100**		**10.0**	**mg/L**	1	10/6/2006

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-17

Client Sample ID: MW-15
Collection Date: 10/4/2006 2:24:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	ND		0.050	mg/L	1	10/11/2006 6:55:00 PM
Surr: 2-Fluorobiphenyl	*63.5*		*60-140*	*%REC*	1	10/11/2006 6:55:00 PM
GASOLINE RANGE ORGANICS			**SW8015**			Analyst: **ABE**
Gasoline Range Organics	**0.0859**		**0.0500**	**mg/L**	1	10/16/2006 7:04:00 PM
Surr: 4-Bromofluorobenzene	*89.8*		*70-130*	*%REC*	1	10/16/2006 7:04:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 2:53:47 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0130**		**0.0100**	**mg/L**	2	10/17/2006 12:36:00 AM
Barium	**0.0198**		**0.0100**	**mg/L**	2	10/17/2006 12:36:00 AM
Cadmium	ND		0.00400	mg/L	2	10/17/2006 12:36:00 AM
Chromium	**0.0124**		**0.0100**	**mg/L**	2	10/17/2006 12:36:00 AM
Lead	ND		0.0100	mg/L	2	10/17/2006 12:36:00 AM
Magnesium	**48.0**		**0.400**	**mg/L**	2	10/17/2006 12:36:00 AM
Potassium	**4.13**		**0.400**	**mg/L**	2	10/17/2006 12:36:00 AM
Selenium	ND		0.0100	mg/L	2	10/17/2006 12:36:00 AM
Silver	ND		0.0100	mg/L	2	10/17/2006 12:36:00 AM
Sodium	**424**		**20.0**	**mg/L**	100	10/17/2006 4:05:00 AM
Vanadium	ND		0.0100	mg/L	2	10/17/2006 12:36:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
2-Butanone	ND		10	µg/L	1	10/11/2006 8:36:00 PM
2-Hexanone	ND		10	µg/L	1	10/11/2006 8:36:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/11/2006 8:36:00 PM
Acetone	ND		10	µg/L	1	10/11/2006 8:36:00 PM
Benzene	**14**		**5.0**	**µg/L**	1	10/11/2006 8:36:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/11/2006 8:36:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-17

Client Sample ID: MW-15
Collection Date: 10/4/2006 2:24:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Bromomethane	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Carbon disulfide	ND		10	µg/L	1	10/11/2006 8:36:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Chloroethane	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Chloroform	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Chloromethane	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Ethylbenzene	**8.6**		**5.0**	**µg/L**	1	10/11/2006 8:36:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
m,p-Xylene	**10**		**10**	**µg/L**	1	10/11/2006 8:36:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Methylene chloride	ND		10	µg/L	1	10/11/2006 8:36:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Naphthalene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
o-Xylene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Styrene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Toluene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/11/2006 8:36:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/11/2006 8:36:00 PM
Xylenes, Total	ND		15	µg/L	1	10/11/2006 8:36:00 PM
Surr: 1,2-Dichloroethane-d4	*104*		*70-125*	*%REC*	1	10/11/2006 8:36:00 PM
Surr: 4-Bromofluorobenzene	*111*		*72.4-125*	*%REC*	1	10/11/2006 8:36:00 PM
Surr: Dibromofluoromethane	*121*		*71.2-125*	*%REC*	1	10/11/2006 8:36:00 PM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	1	10/11/2006 8:36:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**466**		**12.5**	**mg/L**	25	10/14/2006 3:51:00 AM
Fluoride	**1.26**		**0.100**	**mg/L**	1	10/12/2006 3:31:00 AM
Sulfate	**928**		**25.0**	**mg/L**	25	10/14/2006 3:51:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/11/2006 4:21:00 AM
Surr: Selenate (surr)	*97.4*		*80-120*	*%REC*	5	10/11/2006 4:21:00 AM
Surr: Selenate (surr)	99.2		*80-120*	*%REC*	25	10/14/2006 3:51:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-17

Client Sample ID: MW-15
Collection Date: 10/4/2006 2:24:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*97.2*		*80-120*	*%REC*	1	10/12/2006 3:31:00 AM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**125**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**125**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**7.45**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**2,040**		**10.0**	**mg/L**	1	10/6/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-18

Client Sample ID: OCD-1
Collection Date: 10/4/2006 4:07:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	**0.38**		**0.050**	**mg/L**	1	10/11/2006 7:34:00 PM
Surr: 2-Fluorobiphenyl	*62.3*		*60-140*	*%REC*	1	10/11/2006 7:34:00 PM
GASOLINE RANGE ORGANICS			**SW8015**			Analyst: **ABE**
Gasoline Range Organics	**0.114**		**0.0500**	**mg/L**	1	10/16/2006 7:27:00 PM
Surr: 4-Bromofluorobenzene	*90.2*		*70-130*	*%REC*	1	10/16/2006 7:27:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 3:13:54 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0479**		**0.0250**	**mg/L**	5	10/17/2006 12:42:00 AM
Barium	ND		0.0250	mg/L	5	10/17/2006 12:42:00 AM
Cadmium	ND		0.0100	mg/L	5	10/17/2006 12:42:00 AM
Chromium	**0.0508**		**0.0250**	**mg/L**	5	10/17/2006 12:42:00 AM
Lead	ND		0.0250	mg/L	5	10/17/2006 12:42:00 AM
Magnesium	**215**		**1.00**	**mg/L**	5	10/17/2006 12:42:00 AM
Potassium	**7.65**		**1.00**	**mg/L**	5	10/17/2006 12:42:00 AM
Selenium	ND		0.0250	mg/L	5	10/17/2006 12:42:00 AM
Silver	ND		0.0250	mg/L	5	10/17/2006 12:42:00 AM
Sodium	**2,150**		**20.0**	**mg/L**	100	10/17/2006 4:11:00 AM
Vanadium	ND		0.0250	mg/L	5	10/17/2006 12:42:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
2-Butanone	ND		10	µg/L	1	10/12/2006 9:01:00 PM
2-Hexanone	ND		10	µg/L	1	10/12/2006 9:01:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/12/2006 9:01:00 PM
Acetone	ND		10	µg/L	1	10/12/2006 9:01:00 PM
Benzene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-18

Client Sample ID: OCD-1
Collection Date: 10/4/2006 4:07:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Bromomethane	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Carbon disulfide	ND		10	µg/L	1	10/12/2006 9:01:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Chloroethane	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Chloroform	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Chloromethane	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
m,p-Xylene	ND		10	µg/L	1	10/12/2006 9:01:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Methylene chloride	ND		10	µg/L	1	10/12/2006 9:01:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Naphthalene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
o-Xylene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Styrene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Toluene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/12/2006 9:01:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/12/2006 9:01:00 PM
Xylenes, Total	ND		15	µg/L	1	10/12/2006 9:01:00 PM
Surr: 1,2-Dichloroethane-d4	*108*		*70-125*	*%REC*	1	10/12/2006 9:01:00 PM
Surr: 4-Bromofluorobenzene	*109*		*72.4-125*	*%REC*	1	10/12/2006 9:01:00 PM
Surr: Dibromofluoromethane	*119*		*71.2-125*	*%REC*	1	10/12/2006 9:01:00 PM
Surr: Toluene-d8	*115*		*75-125*	*%REC*	1	10/12/2006 9:01:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**3,440**		**50.0**	**mg/L**	100	10/14/2006 5:41:00 AM
Fluoride	ND		10.0	mg/L	100	10/14/2006 5:41:00 AM
Sulfate	**2,840**		**100**	**mg/L**	100	10/14/2006 5:41:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/11/2006 5:05:00 AM
Surr: Selenate (surr)	*97.1*		*80-120*	*%REC*	5	10/11/2006 5:05:00 AM
Surr: Selenate (surr)	*98.5*		*80-120*	*%REC*	100	10/14/2006 5:41:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-18

Client Sample ID: OCD-1
Collection Date: 10/4/2006 4:07:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**329**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**329**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**7.03**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**9,500**		**10.0**	**mg/L**	1	10/6/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-19

Client Sample ID: OCD-2A
Collection Date: 10/5/2006 8:42:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	ND		0.050	mg/L	1	10/11/2006 8:13:00 PM
Surr: 2-Fluorobiphenyl	*74.3*		*60-140*	*%REC*	1	10/11/2006 8:13:00 PM
GASOLINE RANGE ORGANICS			**SW8015**			Analyst: **ABE**
Gasoline Range Organics	ND		0.0500	mg/L	1	10/16/2006 7:51:00 PM
Surr: 4-Bromofluorobenzene	*86.4*		*70-130*	*%REC*	1	10/16/2006 7:51:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 3:15:54 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0263**		**0.0200**	**mg/L**	4	10/17/2006 12:48:00 AM
Barium	**0.0254**		**0.0200**	**mg/L**	4	10/17/2006 12:48:00 AM
Cadmium	ND		0.00800	mg/L	4	10/17/2006 12:48:00 AM
Chromium	**0.0316**		**0.0200**	**mg/L**	4	10/17/2006 12:48:00 AM
Lead	ND		0.0200	mg/L	4	10/17/2006 12:48:00 AM
Magnesium	**291**		**20.0**	**mg/L**	100	10/17/2006 4:17:00 AM
Potassium	**4.64**		**0.800**	**mg/L**	4	10/17/2006 12:48:00 AM
Selenium	ND		0.0200	mg/L	4	10/17/2006 12:48:00 AM
Silver	ND		0.0200	mg/L	4	10/17/2006 12:48:00 AM
Sodium	**1,590**		**20.0**	**mg/L**	100	10/17/2006 4:17:00 AM
Vanadium	ND		0.0200	mg/L	4	10/17/2006 12:48:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
2-Butanone	ND		10	µg/L	1	10/11/2006 9:03:00 PM
2-Hexanone	ND		10	µg/L	1	10/11/2006 9:03:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/11/2006 9:03:00 PM
Acetone	ND		10	µg/L	1	10/11/2006 9:03:00 PM
Benzene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/11/2006 9:03:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-19

Client Sample ID: OCD-2A
Collection Date: 10/5/2006 8:42:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Bromomethane	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Carbon disulfide	ND		10	µg/L	1	10/11/2006 9:03:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Chloroethane	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Chloroform	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Chloromethane	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
m,p-Xylene	ND		10	µg/L	1	10/11/2006 9:03:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Methylene chloride	ND		10	µg/L	1	10/11/2006 9:03:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Naphthalene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
o-Xylene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Styrene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Toluene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/11/2006 9:03:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/11/2006 9:03:00 PM
Xylenes, Total	ND		15	µg/L	1	10/11/2006 9:03:00 PM
Surr: 1,2-Dichloroethane-d4	*105*		*70-125*	*%REC*	1	10/11/2006 9:03:00 PM
Surr: 4-Bromofluorobenzene	*113*		*72.4-125*	*%REC*	1	10/11/2006 9:03:00 PM
Surr: Dibromofluoromethane	*120*		*71.2-125*	*%REC*	1	10/11/2006 9:03:00 PM
Surr: Toluene-d8	*117*		*75-125*	*%REC*	1	10/11/2006 9:03:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**2,670**		**50.0**	**mg/L**	100	10/14/2006 6:03:00 AM
Fluoride	**1.02**		**0.100**	**mg/L**	1	10/12/2006 4:15:00 AM
Sulfate	**2,490**		**100**	**mg/L**	100	10/14/2006 6:03:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/11/2006 5:48:00 AM
Surr: Selenate (surr)	*96.9*		*80-120*	*%REC*	5	10/11/2006 5:48:00 AM
Surr: Selenate (surr)	*98.8*		*80-120*	*%REC*	100	10/14/2006 6:03:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-19

Client Sample ID: OCD-2A
Collection Date: 10/5/2006 8:42:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*92.5*		*80-120*	*%REC*	1	10/12/2006 4:15:00 AM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**214**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**214**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**7.08**		**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**7,750**		**10.0**	**mg/L**	1	10/6/2006

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-20

Client Sample ID: OCD-3
Collection Date: 10/5/2006 9:15:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	ND		0.050	mg/L	1	10/11/2006 8:52:00 PM
Surr: 2-Fluorobiphenyl	*72.8*		*60-140*	*%REC*	1	10/11/2006 8:52:00 PM
GASOLINE RANGE ORGANICS			**SW8015**			Analyst: **ABE**
Gasoline Range Organics	ND		0.0500	mg/L	1	10/16/2006 8:14:00 PM
Surr: 4-Bromofluorobenzene	*88.3*		*70-130*	*%REC*	1	10/16/2006 8:14:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 3:17:55 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0286**		**0.0100**	**mg/L**	2	10/17/2006 12:54:00 AM
Barium	**0.0311**		**0.0100**	**mg/L**	2	10/17/2006 12:54:00 AM
Cadmium	ND		0.00400	mg/L	2	10/17/2006 12:54:00 AM
Chromium	**0.0135**		**0.0100**	**mg/L**	2	10/17/2006 12:54:00 AM
Lead	ND		0.0100	mg/L	2	10/17/2006 12:54:00 AM
Magnesium	**230**		**20.0**	**mg/L**	100	10/17/2006 4:23:00 AM
Potassium	**21.2**		**0.400**	**mg/L**	2	10/17/2006 12:54:00 AM
Selenium	ND		0.0100	mg/L	2	10/17/2006 12:54:00 AM
Silver	ND		0.0100	mg/L	2	10/17/2006 12:54:00 AM
Sodium	**1,110**		**20.0**	**mg/L**	100	10/17/2006 4:23:00 AM
Vanadium	ND		0.0100	mg/L	2	10/17/2006 12:54:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
2-Butanone	ND		10	µg/L	1	10/11/2006 9:31:00 PM
2-Hexanone	ND		10	µg/L	1	10/11/2006 9:31:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/11/2006 9:31:00 PM
Acetone	ND		10	µg/L	1	10/11/2006 9:31:00 PM
Benzene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/11/2006 9:31:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-20

Client Sample ID: OCD-3
Collection Date: 10/5/2006 9:15:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Bromomethane	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Carbon disulfide	ND		10	µg/L	1	10/11/2006 9:31:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Chloroethane	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Chloroform	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Chloromethane	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
m,p-Xylene	ND		10	µg/L	1	10/11/2006 9:31:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Methylene chloride	ND		10	µg/L	1	10/11/2006 9:31:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Naphthalene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
o-Xylene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Styrene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Toluene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/11/2006 9:31:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/11/2006 9:31:00 PM
Xylenes, Total	ND		15	µg/L	1	10/11/2006 9:31:00 PM
Surr: 1,2-Dichloroethane-d4	*107*		*70-125*	*%REC*	1	10/11/2006 9:31:00 PM
Surr: 4-Bromofluorobenzene	*111*		*72.4-125*	*%REC*	1	10/11/2006 9:31:00 PM
Surr: Dibromofluoromethane	*120*		*71.2-125*	*%REC*	1	10/11/2006 9:31:00 PM
Surr: Toluene-d8	*118*		*75-125*	*%REC*	1	10/11/2006 9:31:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**2,460**		**50.0**	**mg/L**	100	10/14/2006 6:25:00 AM
Fluoride	**0.877**		**0.100**	**mg/L**	1	10/12/2006 4:36:00 AM
Sulfate	**2,230**		**100**	**mg/L**	100	10/14/2006 6:25:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/11/2006 6:32:00 AM
Surr: Selenate (surr)	*97.7*		*80-120*	*%REC*	5	10/11/2006 6:32:00 AM
Surr: Selenate (surr)	*99.2*		*80-120*	*%REC*	100	10/14/2006 6:25:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-20

Client Sample ID: OCD-3
Collection Date: 10/5/2006 9:15:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*92.9*		*80-120*	*%REC*	1	10/12/2006 4:36:00 AM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**224**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**224**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**7.03**		**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**7,040**		**10.0**	**mg/L**	1	10/6/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-21

Client Sample ID: OCD-4
Collection Date: 10/5/2006 9:36:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	ND		0.050	mg/L	1	10/11/2006 9:31:00 PM
Surr: 2-Fluorobiphenyl	*61.2*		*60-140*	*%REC*	1	10/11/2006 9:31:00 PM
GASOLINE RANGE ORGANICS			**SW8015**			Analyst: **ABE**
Gasoline Range Organics	ND		0.0500	mg/L	1	10/16/2006 8:37:00 PM
Surr: 4-Bromofluorobenzene	*88.1*		*70-130*	*%REC*	1	10/16/2006 8:37:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 3:19:56 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0358**		**0.0250**	**mg/L**	5	10/17/2006 1:06:00 AM
Barium	ND		0.0250	mg/L	5	10/17/2006 1:06:00 AM
Cadmium	ND		0.0100	mg/L	5	10/17/2006 1:06:00 AM
Chromium	**0.0506**		**0.0250**	**mg/L**	5	10/17/2006 1:06:00 AM
Lead	ND		0.0250	mg/L	5	10/17/2006 1:06:00 AM
Magnesium	**267**		**20.0**	**mg/L**	100	10/17/2006 4:29:00 AM
Potassium	**39.1**		**1.00**	**mg/L**	5	10/17/2006 1:06:00 AM
Selenium	ND		0.0250	mg/L	5	10/17/2006 1:06:00 AM
Silver	ND		0.0250	mg/L	5	10/17/2006 1:06:00 AM
Sodium	**2,480**		**20.0**	**mg/L**	100	10/17/2006 4:29:00 AM
Vanadium	ND		0.0250	mg/L	5	10/17/2006 1:06:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
2-Butanone	ND		10	µg/L	1	10/11/2006 9:59:00 PM
2-Hexanone	ND		10	µg/L	1	10/11/2006 9:59:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/11/2006 9:59:00 PM
Acetone	ND		10	µg/L	1	10/11/2006 9:59:00 PM
Benzene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/11/2006 9:59:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-21

Client Sample ID: OCD-4
Collection Date: 10/5/2006 9:36:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Bromomethane	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Carbon disulfide	ND		10	µg/L	1	10/11/2006 9:59:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Chloroethane	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Chloroform	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Chloromethane	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
m,p-Xylene	ND		10	µg/L	1	10/11/2006 9:59:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Methylene chloride	ND		10	µg/L	1	10/11/2006 9:59:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Naphthalene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
o-Xylene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Styrene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Toluene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/11/2006 9:59:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/11/2006 9:59:00 PM
Xylenes, Total	ND		15	µg/L	1	10/11/2006 9:59:00 PM
Surr: 1,2-Dichloroethane-d4	*104*		*70-125*	*%REC*	1	10/11/2006 9:59:00 PM
Surr: 4-Bromofluorobenzene	*111*		*72.4-125*	*%REC*	1	10/11/2006 9:59:00 PM
Surr: Dibromofluoromethane	*118*		*71.2-125*	*%REC*	1	10/11/2006 9:59:00 PM
Surr: Toluene-d8	*115*		*75-125*	*%REC*	1	10/11/2006 9:59:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**9,490**		**100**	**mg/L**	200	10/15/2006 7:58:00 AM
Fluoride	**0.982**		**0.200**	**mg/L**	2	10/15/2006 7:37:00 AM
Sulfate	**5,810**		**200**	**mg/L**	200	10/15/2006 7:58:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/11/2006 8:44:00 AM
Surr: Selenate (surr)	*95.7*		*80-120*	*%REC*	5	10/11/2006 8:44:00 AM
Surr: Selenate (surr)	*97.1*		*80-120*	*%REC*	200	10/15/2006 7:58:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-21

Client Sample ID: OCD-4
Collection Date: 10/5/2006 9:36:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*94.6*		*80-120*	*%REC*	2	10/15/2006 7:37:00 AM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**183**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**183**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**7.17**		**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**11,200**		**10.0**	**mg/L**	1	10/6/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-22

Client Sample ID: OCD-5
Collection Date: 10/5/2006 10:35:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	**0.11**		**0.050**	**mg/L**	1	10/11/2006 10:09:00 PM
Surr: 2-Fluorobiphenyl	*73.4*		*60-140*	*%REC*	1	10/11/2006 10:09:00 PM
GASOLINE RANGE ORGANICS			**SW8015**			Analyst: **ABE**
Gasoline Range Organics	**0.179**		**0.0500**	**mg/L**	1	10/16/2006 9:01:00 PM
Surr: 4-Bromofluorobenzene	*91.4*		*70-130*	*%REC*	1	10/16/2006 9:01:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 3:21:57 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0378**		**0.0250**	**mg/L**	5	10/17/2006 1:12:00 AM
Barium	ND		0.0250	mg/L	5	10/17/2006 1:12:00 AM
Cadmium	ND		0.0100	mg/L	5	10/17/2006 1:12:00 AM
Chromium	**0.0495**		**0.0250**	**mg/L**	5	10/17/2006 1:12:00 AM
Lead	ND		0.0250	mg/L	5	10/17/2006 1:12:00 AM
Magnesium	**253**		**20.0**	**mg/L**	100	10/17/2006 4:59:00 AM
Potassium	**35.4**		**1.00**	**mg/L**	5	10/17/2006 1:12:00 AM
Selenium	ND		0.0250	mg/L	5	10/17/2006 1:12:00 AM
Silver	ND		0.0250	mg/L	5	10/17/2006 1:12:00 AM
Sodium	**2,860**		**20.0**	**mg/L**	100	10/17/2006 4:59:00 AM
Vanadium	ND		0.0250	mg/L	5	10/17/2006 1:12:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
2-Butanone	ND		10	µg/L	1	10/12/2006 8:33:00 PM
2-Hexanone	ND		10	µg/L	1	10/12/2006 8:33:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/12/2006 8:33:00 PM
Acetone	ND		10	µg/L	1	10/12/2006 8:33:00 PM
Benzene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-22

Client Sample ID: OCD-5
Collection Date: 10/5/2006 10:35:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Bromomethane	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Carbon disulfide	ND		10	µg/L	1	10/12/2006 8:33:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Chloroethane	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Chloroform	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Chloromethane	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
m,p-Xylene	ND		10	µg/L	1	10/12/2006 8:33:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Methylene chloride	ND		10	µg/L	1	10/12/2006 8:33:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Naphthalene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
o-Xylene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Styrene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Toluene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/12/2006 8:33:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/12/2006 8:33:00 PM
Xylenes, Total	ND		15	µg/L	1	10/12/2006 8:33:00 PM
Surr: 1,2-Dichloroethane-d4	*102*		*70-125*	*%REC*	1	10/12/2006 8:33:00 PM
Surr: 4-Bromofluorobenzene	*113*		*72.4-125*	*%REC*	1	10/12/2006 8:33:00 PM
Surr: Dibromofluoromethane	*118*		*71.2-125*	*%REC*	1	10/12/2006 8:33:00 PM
Surr: Toluene-d8	*117*		*75-125*	*%REC*	1	10/12/2006 8:33:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**5,000**		**100**	**mg/L**	200	10/15/2006 8:42:00 AM
Fluoride	**1.02**		**0.200**	**mg/L**	2	10/15/2006 8:20:00 AM
Sulfate	**3,010**		**200**	**mg/L**	200	10/15/2006 8:42:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/11/2006 9:28:00 AM
Surr: Selenate (surr)	*96.0*		*80-120*	*%REC*	5	10/11/2006 9:28:00 AM
Surr: Selenate (surr)	*95.9*		*80-120*	*%REC*	200	10/15/2006 8:42:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-22

Client Sample ID: OCD-5
Collection Date: 10/5/2006 10:35:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*94.2*		*80-120*	*%REC*	2	10/15/2006 8:20:00 AM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**209**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**209**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**7.17**		**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**11,500**		**10.0**	**mg/L**	1	10/6/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-23

Client Sample ID: MW-11A
Collection Date: 10/5/2006 11:36:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	ND		0.050	mg/L	1	10/11/2006 10:48:00 PM
Surr: 2-Fluorobiphenyl	*61.1*		*60-140*	*%REC*	1	10/11/2006 10:48:00 PM
GASOLINE RANGE ORGANICS			**SW8015**			Analyst: **ABE**
Gasoline Range Organics	ND		0.0500	mg/L	1	10/16/2006 9:24:00 PM
Surr: 4-Bromofluorobenzene	*87.8*		*70-130*	*%REC*	1	10/16/2006 9:24:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 3:23:58 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0582**		**0.0500**	**mg/L**	10	10/17/2006 1:18:00 AM
Barium	ND		0.0500	mg/L	10	10/17/2006 1:18:00 AM
Cadmium	ND		0.0200	mg/L	10	10/17/2006 1:18:00 AM
Chromium	**0.101**		**0.0500**	**mg/L**	10	10/17/2006 1:18:00 AM
Lead	ND		0.0500	mg/L	10	10/17/2006 1:18:00 AM
Magnesium	**443**		**2.00**	**mg/L**	10	10/17/2006 1:18:00 AM
Potassium	**23.7**		**2.00**	**mg/L**	10	10/17/2006 1:18:00 AM
Selenium	ND		0.0500	mg/L	10	10/17/2006 1:18:00 AM
Silver	ND		0.0500	mg/L	10	10/17/2006 1:18:00 AM
Sodium	**4,510**		**20.0**	**mg/L**	100	10/17/2006 5:23:00 AM
Vanadium	ND		0.0500	mg/L	10	10/17/2006 1:18:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
2-Butanone	ND		10	µg/L	1	10/12/2006 2:34:00 PM
2-Hexanone	ND		10	µg/L	1	10/12/2006 2:34:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/12/2006 2:34:00 PM
Acetone	ND		10	µg/L	1	10/12/2006 2:34:00 PM
Benzene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/12/2006 2:34:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-23

Client Sample ID: MW-11A
Collection Date: 10/5/2006 11:36:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Bromomethane	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Carbon disulfide	ND		10	µg/L	1	10/12/2006 2:34:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Chloroethane	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Chloroform	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Chloromethane	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
m,p-Xylene	ND		10	µg/L	1	10/12/2006 2:34:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Methylene chloride	ND		10	µg/L	1	10/12/2006 2:34:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Naphthalene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
o-Xylene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Styrene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Toluene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/12/2006 2:34:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/12/2006 2:34:00 PM
Xylenes, Total	ND		15	µg/L	1	10/12/2006 2:34:00 PM
Surr: 1,2-Dichloroethane-d4	*108*		*70-125*	*%REC*	1	10/12/2006 2:34:00 PM
Surr: 4-Bromofluorobenzene	*112*		*72.4-125*	*%REC*	1	10/12/2006 2:34:00 PM
Surr: Dibromofluoromethane	*122*		*71.2-125*	*%REC*	1	10/12/2006 2:34:00 PM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	1	10/12/2006 2:34:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**8,420**		**100**	**mg/L**	200	10/15/2006 9:26:00 AM
Fluoride	**1.16**		**0.200**	**mg/L**	2	10/15/2006 9:04:00 AM
Sulfate	**2,810**		**200**	**mg/L**	200	10/15/2006 9:26:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/11/2006 12:10:00 PM
Surr: Selenate (surr)	*96.7*		*80-120*	*%REC*	5	10/11/2006 12:10:00 PM
Surr: Selenate (surr)	*97.5*		*80-120*	*%REC*	200	10/15/2006 9:26:00 AM

Qualifiers:

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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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-23

Client Sample ID: MW-11A
Collection Date: 10/5/2006 11:36:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*90.1*		*80-120*	*%REC*	2	10/15/2006 9:04:00 AM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**375**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**375**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**6.93**		**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**18,400**		**10.0**	**mg/L**	1	10/6/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-24

Client Sample ID: MW-6A
Collection Date: 10/5/2006 1:15:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	**2.1**		**0.050**	**mg/L**	1	10/11/2006 11:27:00 PM
Surr: 2-Fluorobiphenyl	*60.4*		*60-140*	*%REC*	1	10/11/2006 11:27:00 PM
GASOLINE RANGE ORGANICS			**SW8015**			Analyst: **ABE**
Gasoline Range Organics	**0.303**		**0.0500**	**mg/L**	1	10/16/2006 9:48:00 PM
Surr: 4-Bromofluorobenzene	*84.2*		*70-130*	*%REC*	1	10/16/2006 9:48:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 3:30:00 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **SA**
Arsenic	**0.0394**		**0.0100**	**mg/L**	2	10/17/2006 1:23:00 AM
Barium	**0.0169**		**0.0100**	**mg/L**	2	10/17/2006 1:23:00 AM
Cadmium	ND		0.00400	mg/L	2	10/17/2006 1:23:00 AM
Chromium	**0.0269**		**0.0100**	**mg/L**	2	10/17/2006 1:23:00 AM
Lead	ND		0.0100	mg/L	2	10/17/2006 1:23:00 AM
Magnesium	**124**		**20.0**	**mg/L**	100	10/17/2006 5:29:00 AM
Potassium	**1.48**		**0.400**	**mg/L**	2	10/17/2006 1:23:00 AM
Selenium	ND		0.0100	mg/L	2	10/17/2006 1:23:00 AM
Silver	ND		0.0100	mg/L	2	10/17/2006 1:23:00 AM
Sodium	**763**		**20.0**	**mg/L**	100	10/17/2006 5:29:00 AM
Vanadium	ND		0.0100	mg/L	2	10/17/2006 1:23:00 AM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
2-Butanone	ND		10	µg/L	1	10/12/2006 9:29:00 PM
2-Hexanone	ND		10	µg/L	1	10/12/2006 9:29:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/12/2006 9:29:00 PM
Acetone	**16**		**10**	**µg/L**	1	10/12/2006 9:29:00 PM
Benzene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/12/2006 9:29:00 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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-24

Client Sample ID: MW-6A
Collection Date: 10/5/2006 1:15:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Bromomethane	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Carbon disulfide	ND		10	µg/L	1	10/12/2006 9:29:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Chloroethane	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Chloroform	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Chloromethane	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Ethylbenzene	**5.9**		**5.0**	**µg/L**	1	10/12/2006 9:29:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
m,p-Xylene	ND		10	µg/L	1	10/12/2006 9:29:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Methylene chloride	ND		10	µg/L	1	10/12/2006 9:29:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Naphthalene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
o-Xylene	**14**		**5.0**	**µg/L**	1	10/12/2006 9:29:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Styrene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Toluene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/12/2006 9:29:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/12/2006 9:29:00 PM
Xylenes, Total	**18**		**15**	**µg/L**	1	10/12/2006 9:29:00 PM
Surr: 1,2-Dichloroethane-d4	*107*		*70-125*	*%REC*	1	10/12/2006 9:29:00 PM
Surr: 4-Bromofluorobenzene	*114*		*72.4-125*	*%REC*	1	10/12/2006 9:29:00 PM
Surr: Dibromofluoromethane	*115*		*71.2-125*	*%REC*	1	10/12/2006 9:29:00 PM
Surr: Toluene-d8	*115*		*75-125*	*%REC*	1	10/12/2006 9:29:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**1,120**		**100**	**mg/L**	200	10/15/2006 11:38:00 AM
Fluoride	**1.59**		**0.200**	**mg/L**	2	10/15/2006 11:16:00 AM
Sulfate	**1,480**		**200**	**mg/L**	200	10/15/2006 11:38:00 AM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/14/2006 9:20:00 AM
Surr: Selenate (surr)	*97.9*		*80-120*	*%REC*	5	10/14/2006 9:20:00 AM
Surr: Selenate (surr)	*94.9*		*80-120*	*%REC*	200	10/15/2006 11:38:00 AM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-24

Client Sample ID: MW-6A
Collection Date: 10/5/2006 1:15:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*94.8*		*80-120*	*%REC*	2	10/15/2006 11:16:00 AM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**130**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**130**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**7.47**		**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**4,150**		**10.0**	**mg/L**	1	10/6/2006

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-25

Client Sample ID: MW-3
Collection Date: 10/5/2006 2:12:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	**1.2**		**0.050**	**mg/L**	1	10/12/2006 12:06:00 AM
Surr: 2-Fluorobiphenyl	*65.1*		*60-140*	*%REC*	1	10/12/2006 12:06:00 AM
GASOLINE RANGE ORGANICS			**SW8015**			Analyst: **ABE**
Gasoline Range Organics	**0.306**		**0.0500**	**mg/L**	1	10/16/2006 11:21:00 PM
Surr: 4-Bromofluorobenzene	*88.2*		*70-130*	*%REC*	1	10/16/2006 11:21:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 3:31:59 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **ALR**
Arsenic	**0.0349**		**0.0100**	**mg/L**	2	10/17/2006 4:24:00 PM
Barium	**0.0261**		**0.0100**	**mg/L**	2	10/17/2006 4:24:00 PM
Cadmium	ND		0.00400	mg/L	2	10/17/2006 4:24:00 PM
Chromium	ND		0.0100	mg/L	2	10/17/2006 4:24:00 PM
Lead	ND		0.0100	mg/L	2	10/17/2006 4:24:00 PM
Magnesium	**174**		**0.400**	**mg/L**	2	10/17/2006 4:24:00 PM
Potassium	**4.67**		**0.400**	**mg/L**	2	10/17/2006 4:24:00 PM
Selenium	ND		0.0100	mg/L	2	10/17/2006 4:24:00 PM
Silver	ND		0.0100	mg/L	2	10/17/2006 4:24:00 PM
Sodium	**848**		**10.0**	**mg/L**	50	10/18/2006 1:03:00 PM
Vanadium	ND		0.0100	mg/L	2	10/17/2006 4:24:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
2-Butanone	ND		10	µg/L	1	10/12/2006 9:56:00 PM
2-Hexanone	ND		10	µg/L	1	10/12/2006 9:56:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/12/2006 9:56:00 PM
Acetone	**15**		**10**	**µg/L**	1	10/12/2006 9:56:00 PM
Benzene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-25

Client Sample ID: MW-3
Collection Date: 10/5/2006 2:12:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Bromomethane	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Carbon disulfide	ND		10	µg/L	1	10/12/2006 9:56:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Chloroethane	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Chloroform	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Chloromethane	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
m,p-Xylene	ND		10	µg/L	1	10/12/2006 9:56:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Methylene chloride	ND		10	µg/L	1	10/12/2006 9:56:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Naphthalene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
o-Xylene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Styrene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Toluene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/12/2006 9:56:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/12/2006 9:56:00 PM
Xylenes, Total	ND		15	µg/L	1	10/12/2006 9:56:00 PM
Surr: 1,2-Dichloroethane-d4	*100*		*70-125*	*%REC*	1	10/12/2006 9:56:00 PM
Surr: 4-Bromofluorobenzene	*112*		*72.4-125*	*%REC*	1	10/12/2006 9:56:00 PM
Surr: Dibromofluoromethane	*117*		*71.2-125*	*%REC*	1	10/12/2006 9:56:00 PM
Surr: Toluene-d8	*116*		*75-125*	*%REC*	1	10/12/2006 9:56:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**1,110**		**125**	**mg/L**	250	10/15/2006 12:21:00 PM
Fluoride	**2.29**		**0.200**	**mg/L**	2	10/15/2006 11:59:00 AM
Sulfate	**2,230**		**250**	**mg/L**	250	10/15/2006 12:21:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/14/2006 10:26:00 AM
Surr: Selenate (surr)	*97.5*		*80-120*	*%REC*	5	10/14/2006 10:26:00 AM
Surr: Selenate (surr)	*96.1*		*80-120*	*%REC*	250	10/15/2006 12:21:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-25

Client Sample ID: MW-3
Collection Date: 10/5/2006 2:12:00 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*96.2*		*80-120*	*%REC*	2	10/15/2006 11:59:00 AM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**256**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**256**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**6.83**		**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**5,380**		**10.0**	**mg/L**	1	10/6/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-26

Client Sample ID: DUPLICATE
Collection Date: 10/4/2006
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MODIFIED 8015 TPH			**SW8015M**		Prep Date: **10/9/2006**	Analyst: **JFT**
TPH (Diesel Range)	ND		0.050	mg/L	1	10/11/2006 1:55:00 AM
Surr: 2-Fluorobiphenyl	*66.3*		*60-140*	*%REC*	1	10/11/2006 1:55:00 AM
GASOLINE RANGE ORGANICS			**SW8015**			Analyst: **ABE**
Gasoline Range Organics	**0.0828**		**0.0500**	**mg/L**	1	10/16/2006 11:45:00 PM
Surr: 4-Bromofluorobenzene	*85.9*		*70-130*	*%REC*	1	10/16/2006 11:45:00 PM
MERCURY, TOTAL			**SW7470**		Prep Date: **10/12/2006**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	10/13/2006 3:33:59 PM
ICP METALS, TOTAL			**SW6020**		Prep Date: **10/11/2006**	Analyst: **ALR**
Arsenic	**0.00728**		**0.00500**	**mg/L**	1	10/17/2006 8:08:00 PM
Barium	**0.0188**		**0.00500**	**mg/L**	1	10/17/2006 8:08:00 PM
Cadmium	ND		0.00200	mg/L	1	10/17/2006 8:08:00 PM
Chromium	ND		0.00500	mg/L	1	10/17/2006 8:08:00 PM
Lead	ND		0.00500	mg/L	1	10/17/2006 8:08:00 PM
Magnesium	**45.5**		**0.200**	**mg/L**	1	10/17/2006 8:08:00 PM
Potassium	**3.96**		**0.200**	**mg/L**	1	10/17/2006 8:08:00 PM
Selenium	ND		0.00500	mg/L	1	10/17/2006 8:08:00 PM
Silver	ND		0.00500	mg/L	1	10/17/2006 8:08:00 PM
Sodium	**436**		**20.0**	**mg/L**	100	10/18/2006 1:27:00 PM
Vanadium	ND		0.00500	mg/L	1	10/17/2006 8:08:00 PM
VOLATILES BY GC/MS			**SW8260**			Analyst: **PC**
1,1,1-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
2-Butanone	ND		10	µg/L	1	10/11/2006 5:50:00 PM
2-Hexanone	ND		10	µg/L	1	10/11/2006 5:50:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/11/2006 5:50:00 PM
Acetone	ND		10	µg/L	1	10/11/2006 5:50:00 PM
Benzene	**7.6**		**5.0**	**µg/L**	1	10/11/2006 5:50:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-26

Client Sample ID: DUPLICATE
Collection Date: 10/4/2006
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Bromomethane	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Carbon disulfide	ND		10	µg/L	1	10/11/2006 5:50:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Chloroethane	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Chloroform	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Chloromethane	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Ethylbenzene	**6.7**		**5.0**	**µg/L**	1	10/11/2006 5:50:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
m,p-Xylene	ND		10	µg/L	1	10/11/2006 5:50:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Methylene chloride	ND		10	µg/L	1	10/11/2006 5:50:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Naphthalene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
o-Xylene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Styrene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Tetrachloroethene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Toluene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/11/2006 5:50:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/11/2006 5:50:00 PM
Xylenes, Total	ND		15	µg/L	1	10/11/2006 5:50:00 PM
Surr: 1,2-Dichloroethane-d4	*106*		*70-125*	*%REC*	1	10/11/2006 5:50:00 PM
Surr: 4-Bromofluorobenzene	*112*		*72.4-125*	*%REC*	1	10/11/2006 5:50:00 PM
Surr: Dibromofluoromethane	*118*		*71.2-125*	*%REC*	1	10/11/2006 5:50:00 PM
Surr: Toluene-d8	*115*		*75-125*	*%REC*	1	10/11/2006 5:50:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300**			Analyst: **PV**
Chloride	**437**		**50.0**	**mg/L**	100	10/15/2006 1:05:00 PM
Fluoride	**1.26**		**0.200**	**mg/L**	2	10/15/2006 12:43:00 PM
Sulfate	**810**		**100**	**mg/L**	100	10/15/2006 1:05:00 PM
Nitrate/Nitrite (as N)	ND		0.500	mg/L	5	10/14/2006 12:15:00 PM
Surr: Selenate (surr)	*98.5*		*80-120*	*%REC*	5	10/14/2006 12:15:00 PM
Surr: Selenate (surr)	*97.0*		*80-120*	*%REC*	100	10/15/2006 1:05:00 PM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-26

Client Sample ID: DUPLICATE
Collection Date: 10/4/2006
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Selenate (surr)	*94.5*		*80-120*	*%REC*	2	10/15/2006 12:43:00 PM
ALKALINITY			**E310.1**			Analyst: **RPM**
Alkalinity, Bicarbonate (As CaCO3)	**110**		**5.00**	**mg/L**	1	10/11/2006
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1	10/11/2006
Alkalinity, Total (As CaCO3)	**110**		**5.00**	**mg/L**	1	10/11/2006
PH			**E150.1**			Analyst: **VLB**
pH	**6.59**	H	**0.100**	**pH units**	1	10/6/2006
TOTAL DISSOLVED SOLIDS			**E160.1**			Analyst: **RPM**
Total Dissolved Solids (Residue, Filterable)	**2,050**		**10.0**	**mg/L**	1	10/6/2006

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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-27

Client Sample ID: Trip Blank 214
Collection Date: 10/5/2006
Matrix: TRIP BLANK

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	10/10/2006 9:09:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 9:09:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 9:09:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 9:09:00 PM
Acetone	ND		10	µg/L	1	10/10/2006 9:09:00 PM
Benzene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Bromoform	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 9:09:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 9:09:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 9:09:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-27

Client Sample ID: Trip Blank 214
Collection Date: 10/5/2006
Matrix: TRIP BLANK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Toluene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 9:09:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 9:09:00 PM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 9:09:00 PM
Surr: 1,2-Dichloroethane-d4	*76.9*		*70-125*	*%REC*	1	10/10/2006 9:09:00 PM
Surr: 4-Bromofluorobenzene	*80.7*		*72.4-125*	*%REC*	1	10/10/2006 9:09:00 PM
Surr: Dibromofluoromethane	*85.6*		*71.2-125*	*%REC*	1	10/10/2006 9:09:00 PM
Surr: Toluene-d8	*91.1*		*75-125*	*%REC*	1	10/10/2006 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-28

Client Sample ID: Trip Blank 0036
Collection Date: 10/5/2006
Matrix: TRIP BLANK

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	10/10/2006 9:34:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 9:34:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 9:34:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 9:34:00 PM
Acetone	ND		10	µg/L	1	10/10/2006 9:34:00 PM
Benzene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Bromoform	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 9:34:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 9:34:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 9:34:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 9:34:00 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: *October 24, 2006*

CLIENT:	Navajo Refining Company	**Client Sample ID:**	Trip Blank 0036
Work Order:	0610098	**Collection Date:**	10/5/2006
Project:	Navajo Artesia		
Lab ID:	0610098-28	**Matrix:**	TRIP BLANK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Toluene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 9:34:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 9:34:00 PM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 9:34:00 PM
Surr: 1,2-Dichloroethane-d4	*85.0*		*70-125*	*%REC*	1	10/10/2006 9:34:00 PM
Surr: 4-Bromofluorobenzene	*87.6*		*72.4-125*	*%REC*	1	10/10/2006 9:34:00 PM
Surr: Dibromofluoromethane	*93.0*		*71.2-125*	*%REC*	1	10/10/2006 9:34:00 PM
Surr: Toluene-d8	*98.6*		*75-125*	*%REC*	1	10/10/2006 9:34:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-29

Client Sample ID: Trip Blank 1958
Collection Date: 10/5/2006
Matrix: TRIP BLANK

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	10/10/2006 9:59:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
2-Butanone	ND		10	µg/L	1	10/10/2006 9:59:00 PM
2-Hexanone	ND		10	µg/L	1	10/10/2006 9:59:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/10/2006 9:59:00 PM
Acetone	ND		10	µg/L	1	10/10/2006 9:59:00 PM
Benzene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Bromoform	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Bromomethane	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Carbon disulfide	ND		10	µg/L	1	10/10/2006 9:59:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Chloroethane	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Chloroform	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Chloromethane	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
m,p-Xylene	ND		10	µg/L	1	10/10/2006 9:59:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Methylene chloride	ND		10	µg/L	1	10/10/2006 9:59:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Naphthalene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
o-Xylene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Styrene	ND		5.0	µg/L	1	10/10/2006 9:59:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-29

Client Sample ID: Trip Blank 1958
Collection Date: 10/5/2006
Matrix: TRIP BLANK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Toluene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/10/2006 9:59:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/10/2006 9:59:00 PM
Xylenes, Total	ND		15	µg/L	1	10/10/2006 9:59:00 PM
Surr: 1,2-Dichloroethane-d4	*82.0*		*70-125*	*%REC*	1	10/10/2006 9:59:00 PM
Surr: 4-Bromofluorobenzene	*83.3*		*72.4-125*	*%REC*	1	10/10/2006 9:59:00 PM
Surr: Dibromofluoromethane	*89.4*		*71.2-125*	*%REC*	1	10/10/2006 9:59:00 PM
Surr: Toluene-d8	*93.6*		*75-125*	*%REC*	1	10/10/2006 9:59:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-31

Client Sample ID: Trip Blank 2049
Collection Date: 10/5/2006
Matrix: TRIP BLANK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	10/12/2006 1:39:00 PM
Toluene	ND		5.0	µg/L	1	10/12/2006 1:39:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 1:39:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 1:39:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/12/2006 1:39:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/12/2006 1:39:00 PM
Xylenes, Total	ND		15	µg/L	1	10/12/2006 1:39:00 PM
Surr: 1,2-Dichloroethane-d4	*106*		*70-125*	*%REC*	1	10/12/2006 1:39:00 PM
Surr: 4-Bromofluorobenzene	*112*		*72.4-125*	*%REC*	1	10/12/2006 1:39:00 PM
Surr: Dibromofluoromethane	*119*		*71.2-125*	*%REC*	1	10/12/2006 1:39:00 PM
Surr: Toluene-d8	*115*		*75-125*	*%REC*	1	10/12/2006 1:39:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-32

Client Sample ID: Trip Blanki 1090
Collection Date: 10/5/2006
Matrix: TRIP BLANK

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	10/12/2006 2:07:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
2-Butanone	ND		10	µg/L	1	10/12/2006 2:07:00 PM
2-Hexanone	ND		10	µg/L	1	10/12/2006 2:07:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/12/2006 2:07:00 PM
Acetone	ND		10	µg/L	1	10/12/2006 2:07:00 PM
Benzene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Bromoform	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Bromomethane	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Carbon disulfide	ND		10	µg/L	1	10/12/2006 2:07:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Chloroethane	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Chloroform	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Chloromethane	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
m,p-Xylene	ND		10	µg/L	1	10/12/2006 2:07:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Methylene chloride	ND		10	µg/L	1	10/12/2006 2:07:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Naphthalene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
o-Xylene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Styrene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-32

Client Sample ID: Trip Blanki 1090
Collection Date: 10/5/2006
Matrix: TRIP BLANK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Toluene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/12/2006 2:07:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/12/2006 2:07:00 PM
Xylenes, Total	ND		15	µg/L	1	10/12/2006 2:07:00 PM
Surr: 1,2-Dichloroethane-d4	*105*		*70-125*	*%REC*	1	10/12/2006 2:07:00 PM
Surr: 4-Bromofluorobenzene	*114*		*72.4-125*	*%REC*	1	10/12/2006 2:07:00 PM
Surr: Dibromofluoromethane	*120*		*71.2-125*	*%REC*	1	10/12/2006 2:07:00 PM
Surr: Toluene-d8	*115*		*75-125*	*%REC*	1	10/12/2006 2:07:00 PM

Qualifiers:

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

e-Lab Analytical, Inc.

Date: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-33

Client Sample ID: Trip Blank 0371
Collection Date: 10/5/2006
Matrix: TRIP BLANK

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	10/12/2006 8:06:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
1,2-Dibromoethane	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
2-Butanone	ND		10	µg/L	1	10/12/2006 8:06:00 PM
2-Hexanone	ND		10	µg/L	1	10/12/2006 8:06:00 PM
4-Isopropyltoluene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
4-Methyl-2-pentanone	ND		10	µg/L	1	10/12/2006 8:06:00 PM
Acetone	ND		10	µg/L	1	10/12/2006 8:06:00 PM
Benzene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Bromodichloromethane	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Bromoform	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Bromomethane	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Carbon disulfide	ND		10	µg/L	1	10/12/2006 8:06:00 PM
Carbon tetrachloride	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Chlorobenzene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Chloroethane	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Chloroform	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Chloromethane	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Dibromochloromethane	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Ethylbenzene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Isopropylbenzene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
m,p-Xylene	ND		10	µg/L	1	10/12/2006 8:06:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Methylene chloride	ND		10	µg/L	1	10/12/2006 8:06:00 PM
n-Butylbenzene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
n-Propylbenzene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Naphthalene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
o-Xylene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
sec-Butylbenzene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Styrene	ND		5.0	µg/L	1	10/12/2006 8:06:00 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: *October 24, 2006*

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia
Lab ID: 0610098-33

Client Sample ID: Trip Blank 0371
Collection Date: 10/5/2006
Matrix: TRIP BLANK

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Toluene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Trichloroethene	ND		5.0	µg/L	1	10/12/2006 8:06:00 PM
Vinyl chloride	ND		2.0	µg/L	1	10/12/2006 8:06:00 PM
Xylenes, Total	ND		15	µg/L	1	10/12/2006 8:06:00 PM
Surr: 1,2-Dichloroethane-d4	*100*		*70-125*	*%REC*	1	10/12/2006 8:06:00 PM
Surr: 4-Bromofluorobenzene	*111*		*72.4-125*	*%REC*	1	10/12/2006 8:06:00 PM
Surr: Dibromofluoromethane	*115*		*71.2-125*	*%REC*	1	10/12/2006 8:06:00 PM
Surr: Toluene-d8	*114*		*75-125*	*%REC*	1	10/12/2006 8:06:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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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.

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia

Date: *Oct 24 2006*

QC BATCH REPORT

Batch ID: **20193** Instrument ID **FID-2** Method: **SW8015M**

MBLK Sample ID: **FBLKW1-061009** Units: **mg/L** Analysis Date: **10/11/06 5:48**

Client ID: Run ID: **FID-2_061009E** SeqNo: **975733** Prep Date: **10/9/2006** 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	*0.06022*	0.010	*0.1*	0	*60.2*	*60-140*	0			

LCS Sample ID: **FLCSW1-061009** Units: **mg/L** Analysis Date: **10/11/06 6:27**

Client ID: Run ID: **FID-2_061009E** SeqNo: **975736** Prep Date: **10/9/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	0.7068	0.050	1	0	70.7	60-140	0			
Surr: 2-Fluorobiphenyl	*0.07773*	0.010	*0.1*	0	*77.7*	*60-140*	0			

LCSD Sample ID: **FLCSDW1-061009** Units: **mg/L** Analysis Date: **10/11/06 7:06**

Client ID: Run ID: **FID-2_061009E** SeqNo: **975737** Prep Date: **10/9/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	0.7182	0.050	1	0	71.8	60-140	0.7068	1.6	20	
Surr: 2-Fluorobiphenyl	*0.07196*	0.010	*0.1*	0	*72*	*60-140*	0.07773	*7.71*	*20*	

The following samples were analyzed in this batch:

0610098-01B	0610098-02B	0610098-03B
0610098-04B	0610098-05B	0610098-06B
0610098-07C	0610098-08B	0610098-09B
0610098-11B	0610098-16B	0610098-17C
0610098-18C	0610098-19C	0610098-20C
0610098-21C	0610098-22C	0610098-23C
0610098-24C	0610098-25C	

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20195** Instrument ID **FID-7** Method: **SW8015M**

MBLK Sample ID: **FBLKW2-061009** Units: **mg/L** Analysis Date: **10/10/06 23:59**
Client ID: Run ID: **FID-2_061009D** SeqNo: **973762** Prep Date: **10/9/2006** 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	*0.06086*	0.010	*0.1*	0	*60.9*	*60-140*	0			

LCS Sample ID: **FLCSW2-061009** Units: **mg/L** Analysis Date: **10/11/06 0:38**
Client ID: Run ID: **FID-2_061009D** SeqNo: **973763** Prep Date: **10/9/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	0.7094	0.050	1	0	70.9	60-140	0			
Surr: 2-Fluorobiphenyl	*0.07128*	0.010	*0.1*	0	*71.3*	*60-140*	0			

LCSD Sample ID: **FLCSDW2-061009** Units: **mg/L** Analysis Date: **10/11/06 1:17**
Client ID: Run ID: **FID-2_061009D** SeqNo: **973764** Prep Date: **10/9/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	0.7361	0.050	1	0	73.6	60-140	0.7094	3.7	20	
Surr: 2-Fluorobiphenyl	*0.07339*	0.010	*0.1*	0	*73.4*	*60-140*	0.07128	*2.92*	*20*	

The following samples were analyzed in this batch: 0610098-26C

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42785** Instrument ID **FID-9** Method: **SW8015**

MBLK Sample ID: **GBLKW-1016** Units: **mg/L** Analysis Date: **10/16/06 12:54**
Client ID: Run ID: **FID-9_061016B** SeqNo: **972241** 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	*0.09132*	0.0050	*0.1*	0	*91.3*	*70-130*		0		

LCS Sample ID: **GLCSW-1016** Units: **mg/L** Analysis Date: **10/16/06 12:31**
Client ID: Run ID: **FID-9_061016B** SeqNo: **972240** 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	0.9561	0.050	1	0	95.6	70-130		0		
Surr: 4-Bromofluorobenzene	*0.09438*	0.0050	*0.1*	0	*94.4*	*70-130*		0		

MS Sample ID: **0610068-19ZMS** Units: **mg/L** Analysis Date: **10/16/06 15:13**
Client ID: Run ID: **FID-9_061016B** SeqNo: **972243** Prep Date: DF: **1000**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	1476	50	1000	591.4	88.5	70-130		0		
Surr: 4-Bromofluorobenzene	*110*	5.0	*100*	0	*110*	*70-130*		0		

MSD Sample ID: **0610068-19ZMSD** Units: **mg/L** Analysis Date: **10/16/06 15:36**
Client ID: Run ID: **FID-9_061016B** SeqNo: **972244** Prep Date: DF: **1000**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	1780	50	1000	591.4	119	70-130	1476	18.7	30	
Surr: 4-Bromofluorobenzene	*99.96*	5.0	*100*	0	*100*	*70-130*	110	*9.61*	*30*	

The following samples were analyzed in this batch:

0610098-07B	0610098-17B	0610098-18B
0610098-19B	0610098-20B	0610098-21B
0610098-22B	0610098-23B	0610098-24B
0610098-25B	0610098-26B	

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20234** Instrument ID **ICP7500** Method: **SW6020**

MBLK Sample ID: **MBLKW1-101106** Units: **mg/L** Analysis Date: **10/14/06 0:59**

Client ID: Run ID: **ICP7500_061013A** SeqNo: **971462** Prep Date: **10/11/2006** 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	0.0007762	0.0050								J
Cadmium	ND	0.0020								
Chromium	ND	0.0050								
Lead	0.002238	0.0050								J
Magnesium	ND	0.20								
Potassium	ND	0.20								
Selenium	ND	0.0050								
Silver	ND	0.0050								
Sodium	ND	0.20								
Vanadium	ND	0.0050								

LCS Sample ID: **MLCSW1-101106** Units: **mg/L** Analysis Date: **10/14/06 1:23**

Client ID: Run ID: **ICP7500_061013A** SeqNo: **971466** Prep Date: **10/11/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05229	0.0050	0.05	0	105	80-121	0			
Barium	0.05	0.0050	0.05	0	100	79.8-119	0			
Cadmium	0.05259	0.0020	0.05	0	105	79.1-119	0			
Chromium	0.04798	0.0050	0.05	0	96	79.3-121	0			
Lead	0.0497	0.0050	0.05	0	99.4	80-118	0			
Potassium	4.884	0.20	5	0	97.7	80-120	0			
Selenium	0.05421	0.0050	0.05	0	108	79.2-118	0			
Silver	0.05179	0.0050	0.05	0	104	80-117	0			
Vanadium	0.0491	0.0050	0.05	0	98.2	82.1-119	0			

LCS Sample ID: **MLCSW1-101106** Units: **mg/L** Analysis Date: **10/16/06 23:06**

Client ID: Run ID: **ICP7500_061016A** SeqNo: **972430** Prep Date: **10/11/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Magnesium	4.93	0.20	5	0	98.6	80-120	0			
Sodium	4.956	0.20	5	0	99.1	80.6-119	0			

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

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20234** Instrument ID **ICP7500** Method: **SW6020**

MS Sample ID: **0610098-01CMS** Units: **mg/L** Analysis Date: **10/14/06 1:41**

Client ID: **MW-43** Run ID: **ICP7500_061013A** SeqNo: **971469** Prep Date: **10/11/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.06982	0.0050	0.05	0.01828	103	80-121	0			
Barium	0.5304	0.0050	0.05	0.4711	119	79.8-119	0			O
Cadmium	0.04674	0.0020	0.05	0.00004875	93.4	79.1-119	0			
Chromium	0.05337	0.0050	0.05	0.002815	101	79.3-121	0			
Lead	0.05525	0.0050	0.05	0.0006371	109	80-118	0			
Magnesium	126.8	0.20	5	124.7	42	80-120	0			SO
Potassium	5.787	0.20	5	0.5959	104	80-120	0			
Selenium	0.02191	0.0050	0.05	0.001829	40.2	79.2-118	0			S
Silver	0.0442	0.0050	0.05	-0.0003273	89.1	80-117	0			
Sodium	778.2	0.20	5	769.4	176	80.6-119	0			SEO
Vanadium	0.0558	0.0050	0.05	0.001853	108	82.1-119	0			

MSD Sample ID: **0610098-01CMSD** Units: **mg/L** Analysis Date: **10/14/06 1:47**

Client ID: **MW-43** Run ID: **ICP7500_061013A** SeqNo: **971470** Prep Date: **10/11/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.06927	0.0050	0.05	0.01828	102	80-121	0.06982	0.791	15	
Barium	0.5311	0.0050	0.05	0.4711	120	79.8-119	0.5304	0.132	15	SO
Cadmium	0.04664	0.0020	0.05	0.00004875	93.2	79.1-119	0.04674	0.214	15	
Chromium	0.05245	0.0050	0.05	0.002815	99.3	79.3-121	0.05337	1.74	15	
Lead	0.05479	0.0050	0.05	0.0006371	108	80-118	0.05525	0.836	15	
Magnesium	125.1	0.20	5	124.7	8	80-120	126.8	1.35	15	SO
Potassium	5.651	0.20	5	0.5959	101	80-120	5.787	2.38	15	
Selenium	0.02086	0.0050	0.05	0.001829	38.1	79.2-118	0.02191	4.91	15	S
Silver	0.04366	0.0050	0.05	-0.0003273	88	80-117	0.0442	1.23	15	
Sodium	758.9	0.20	5	769.4	-210	80.6-119	778.2	2.51	15	SEO
Vanadium	0.05511	0.0050	0.05	0.001853	107	82.1-119	0.0558	1.24	15	

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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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20234** Instrument ID **ICP7500** Method: **SW6020**

DUP Sample ID: **0610098-01CDUP** Units: **mg/L** Analysis Date: **10/14/06 1:35**

Client ID: **MW-43** Run ID: **ICP7500_061013A** SeqNo: **971468** Prep Date: **10/11/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.01816	0.0050	0	0	0	0-0	0.01828	0.659	25	
Barium	0.4781	0.0050	0	0	0	0-0	0.4711	1.47	25	
Cadmium	ND	0.0020	0	0	0	0-0	0.00004875	0	25	
Chromium	0.003681	0.0050	0	0	0	0-0	0.002815	0	25	J
Lead	0.0004637	0.0050	0	0	0	0-0	0.0006371	0	25	J
Potassium	0.5529	0.20	0	0	0	0-0	0.5959	7.49	25	
Selenium	ND	0.0050	0	0	0	0-0	0.001829	0	25	
Silver	ND	0.0050	0	0	0	0-0	-0.0003273	0	25	
Vanadium	0.002157	0.0050	0	0	0	0-0	0.001853	0	25	J

DUP Sample ID: **0610098-01CDUP** Units: **mg/L** Analysis Date: **10/17/06 2:53**

Client ID: **MW-43** Run ID: **ICP7500_061016A** SeqNo: **972490** Prep Date: **10/11/2006** DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Magnesium	119.9	20	0	0	0	0-0	121.4	1.24	25	
Sodium	696.4	20	0	0	0	0-0	705.7	1.33	25	

PDS Sample ID: **0610098-01CBS** Units: **mg/L** Analysis Date: **10/14/06 1:53**

Client ID: **MW-43** Run ID: **ICP7500_061013A** SeqNo: **971471** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1188	0.0050	0.1	0.01828	101	75-125	0			
Barium	0.5796	0.0050	0.1	0.4711	108	75-125	0			O
Cadmium	0.09166	0.0020	0.1	0.00004875	91.6	75-125	0			
Chromium	0.1021	0.0050	0.1	0.002815	99.3	75-125	0			
Lead	0.108	0.0050	0.1	0.0006371	107	75-125	0			
Potassium	10.58	0.20	10	0.5959	99.8	75-125	0			
Selenium	0.09953	0.0050	0.1	0.001829	97.7	75-125	0			
Silver	0.08254	0.0050	0.1	-0.0003273	82.9	75-125	0			
Vanadium	0.1064	0.0050	0.1	0.001853	105	75-125	0			

PDS Sample ID: **0610098-01CBS** Units: **mg/L** Analysis Date: **10/17/06 2:59**

Client ID: **MW-43** Run ID: **ICP7500_061016A** SeqNo: **972493** Prep Date: DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Magnesium	1270	20	1000	121.4	115	75-125	0			
Sodium	1855	20	1000	705.7	115	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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20234** Instrument ID **ICP7500** Method: **SW6020**

SD Sample ID: **0610098-01C DIL** Units: **mg/L** Analysis Date: **10/14/06 1:59**

Client ID: **MW-43** Run ID: **ICP7500_061013A** SeqNo: **971472** Prep Date: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.02474	0.025	0	0	0	0-0	0.01828	0	10	J
Barium	0.4596	0.025	0	0	0	0-0	0.4711	2.43	10	
Cadmium	ND	0.010	0	0	0	0-0	0.00004875	0	10	
Chromium	0.01844	0.025	0	0	0	0-0	0.002815	0	10	J
Lead	0.001021	0.025	0	0	0	0-0	0.0006371	0	10	J
Potassium	0.5105	1.0	0	0	0	0-0	0.5959	0	10	J
Selenium	ND	0.025	0	0	0	0-0	0.001829	0	10	
Silver	ND	0.025	0	0	0	0-0	-0.0003273	0	10	
Vanadium	0.007935	0.025	0	0	0	0-0	0.001853	0	10	J

SD Sample ID: **0610098-01C DIL** Units: **mg/L** Analysis Date: **10/17/06 3:05**

Client ID: **MW-43** Run ID: **ICP7500_061016A** SeqNo: **972495** Prep Date: DF: **500**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Magnesium	129	100	0	0	0	0-0	121.4	6.22	10	
Sodium	708.5	100	0	0	0	0-0	705.7	0.397	10	

The following samples were analyzed in this batch:

0610098-01C	0610098-02C	0610098-03C
0610098-04C	0610098-05C	0610098-06C
0610098-07D	0610098-08C	0610098-09C
0610098-10B	0610098-11C	0610098-16C
0610098-17D	0610098-18D	0610098-19D
0610098-20D	0610098-21D	0610098-22D
0610098-23D	0610098-24D	

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20235** Instrument ID **ICPMS02** Method: **SW6020**

MBLK Sample ID: **MBLKW2-101106** Units: **mg/L** Analysis Date: **10/16/06 21:18**

Client ID: Run ID: **ICPMS02_061016B** SeqNo: **972503** Prep Date: **10/11/2006** 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								
Cadmium	ND	0.0020								
Chromium	ND	0.0050								
Lead	ND	0.0050								
Magnesium	ND	0.20								
Potassium	ND	0.20								
Selenium	ND	0.0050								
Silver	ND	0.0050								
Sodium	ND	0.20								
Vanadium	ND	0.0050								

LCS Sample ID: **MLCSW2-101106** Units: **mg/L** Analysis Date: **10/16/06 21:24**

Client ID: Run ID: **ICPMS02_061016B** SeqNo: **972505** Prep Date: **10/11/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05336	0.0050	0.05	0	107	80-121	0			
Barium	0.05097	0.0050	0.05	0	102	79.8-119	0			
Cadmium	0.05158	0.0020	0.05	0	103	79.1-119	0			
Chromium	0.0487	0.0050	0.05	0	97.4	79.3-121	0			
Lead	0.05045	0.0050	0.05	0	101	80-118	0			
Magnesium	4.572	0.20	5	0	91.4	80-120	0			
Potassium	4.835	0.20	5	0	96.7	80-120	0			
Selenium	0.05259	0.0050	0.05	0	105	79.2-118	0			
Silver	0.0499	0.0050	0.05	0	99.8	80-117	0			
Sodium	4.569	0.20	5	0	91.4	80.6-119	0			
Vanadium	0.04968	0.0050	0.05	0	99.4	82.1-119	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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20235** Instrument ID **ICPMS02** Method: **SW6020**

MS Sample ID: **0610098-25DMS** Units: **mg/L** Analysis Date: **10/17/06 16:53**

Client ID: **MW-3** Run ID: **ICPMS02_061017A** SeqNo: **973294** Prep Date: **10/11/2006** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.08544	0.010	0.05	0.03492	101	80-121	0			
Barium	0.06868	0.010	0.05	0.02614	85.1	79.8-119	0			
Cadmium	0.04906	0.0040	0.05	0.001387	95.3	79.1-119	0			
Chromium	0.04736	0.010	0.05	0.002194	90.3	79.3-121	0			
Lead	0.05102	0.010	0.05	0.001511	99	80-118	0			
Magnesium	167.5	0.40	5	174.4	-138	80-120	0			SO
Potassium	9.148	0.40	5	4.666	89.6	80-120	0			
Selenium	0.05314	0.010	0.05	0.002482	101	79.2-118	0			
Silver	0.0481	0.010	0.05	0.0004758	95.2	80-117	0			
Sodium	818.6	0.40	5	863.2	-892	80.6-119	0			SEO
Vanadium	0.05288	0.010	0.05	0.006576	92.6	82.1-119	0			

MSD Sample ID: **0610098-25DMSD** Units: **mg/L** Analysis Date: **10/17/06 16:59**

Client ID: **MW-3** Run ID: **ICPMS02_061017A** SeqNo: **973295** Prep Date: **10/11/2006** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0871	0.010	0.05	0.03492	104	80-121	0.08544	1.92	15	
Barium	0.06772	0.010	0.05	0.02614	83.2	79.8-119	0.06868	1.41	15	
Cadmium	0.04858	0.0040	0.05	0.001387	94.4	79.1-119	0.04906	0.983	15	
Chromium	0.04584	0.010	0.05	0.002194	87.3	79.3-121	0.04736	3.26	15	
Lead	0.05072	0.010	0.05	0.001511	98.4	80-118	0.05102	0.59	15	
Magnesium	162.8	0.40	5	174.4	-233	80-120	167.5	2.88	15	SO
Potassium	8.878	0.40	5	4.666	84.2	80-120	9.148	3	15	
Selenium	0.0513	0.010	0.05	0.002482	97.6	79.2-118	0.05314	3.52	15	
Silver	0.04774	0.010	0.05	0.0004758	94.5	80-117	0.0481	0.751	15	
Sodium	793.8	0.40	5	863.2	-1390	80.6-119	818.6	3.08	15	SEO
Vanadium	0.05198	0.010	0.05	0.006576	90.8	82.1-119	0.05288	1.72	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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20235** Instrument ID **ICPMS02** Method: **SW6020**

DUP Sample ID: **0610098-25DDUP** Units: **mg/L** Analysis Date: **10/17/06 16:30**
Client ID: **MW-3** Run ID: **ICPMS02_061017A** SeqNo: **973292** Prep Date: **10/11/2006** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.03448	0.010	0	0	0	0-0	0.03492	1.27	25	
Barium	0.01828	0.010	0	0	0	0-0	0.02614	35.4	25	R
Cadmium	0.0007698	0.0040	0	0	0	0-0	0.001387	0	25	J
Chromium	0.002218	0.010	0	0	0	0-0	0.002194	0	25	J
Lead	0.00112	0.010	0	0	0	0-0	0.001511	0	25	J
Magnesium	170.7	0.40	0	0	0	0-0	174.4	2.13	25	
Potassium	4.516	0.40	0	0	0	0-0	4.666	3.27	25	
Selenium	ND	0.010	0	0	0	0-0	0.002482	0	25	
Silver	ND	0.010	0	0	0	0-0	0.0004758	0	25	
Vanadium	0.005968	0.010	0	0	0	0-0	0.006576	0	25	J

DUP Sample ID: **0610098-25DDUP** Units: **mg/L** Analysis Date: **10/18/06 13:09**
Client ID: **MW-3** Run ID: **ICPMS02_061018A** SeqNo: **974112** Prep Date: **10/11/2006** DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium	863	10	0	0	0	0-0	848	1.75	25	

PDS Sample ID: **0610098-25DBS** Units: **mg/L** Analysis Date: **10/17/06 17:12**
Client ID: **MW-3** Run ID: **ICPMS02_061017A** SeqNo: **973296** Prep Date: DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.2294	0.010	0.2	0.03492	97.2	75-125	0			
Barium	0.2128	0.010	0.2	0.02614	93.3	75-125	0			
Cadmium	0.1792	0.0040	0.2	0.001387	88.9	75-125	0			
Chromium	0.1684	0.010	0.2	0.002194	83.1	75-125	0			
Lead	0.1851	0.010	0.2	0.001511	91.8	75-125	0			
Magnesium	173.5	0.40	20	174.4	-4.6	75-125	0			SO
Potassium	21.26	0.40	20	4.666	83	75-125	0			
Selenium	0.1865	0.010	0.2	0.002482	92	75-125	0			
Silver	0.1839	0.010	0.2	0.0004758	91.7	75-125	0			
Vanadium	0.1779	0.010	0.2	0.006576	85.7	75-125	0			

PDS Sample ID: **0610098-25DBS** Units: **mg/L** Analysis Date: **10/18/06 13:21**
Client ID: **MW-3** Run ID: **ICPMS02_061018A** SeqNo: **974114** Prep Date: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium	1337	10	500	848	97.8	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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20235** Instrument ID **ICPMS02** Method: **SW6020**

SD Sample ID: **0610098-25D DIL** Units: **mg/L** Analysis Date: **10/17/06 16:35**

Client ID: **MW-3** Run ID: **ICPMS02_061017A** SeqNo: **973293** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04387	0.050	0	0	0	0-0	0.03492	0	10	J
Barium	0.02992	0.050	0	0	0	0-0	0.02614	0	10	J
Cadmium	0.003069	0.020	0	0	0	0-0	0.001387	0	10	J
Chromium	ND	0.050	0	0	0	0-0	0.002194	0	10	
Lead	0.002878	0.050	0	0	0	0-0	0.001511	0	10	J
Magnesium	173.4	2.0	0	0	0	0-0	174.4	0.585	10	
Potassium	5.019	2.0	0	0	0	0-0	4.666	7.57	10	
Selenium	ND	0.050	0	0	0	0-0	0.002482	0	10	
Silver	ND	0.050	0	0	0	0-0	0.0004758	0	10	
Vanadium	0.009335	0.050	0	0	0	0-0	0.006576	0	10	J

SD Sample ID: **0610098-25D DIL** Units: **mg/L** Analysis Date: **10/18/06 13:15**

Client ID: **MW-3** Run ID: **ICPMS02_061018A** SeqNo: **974113** Prep Date: DF: **250**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium	788	50	0	0	0	0-0	848	7.08	10	

The following samples were analyzed in this batch: 0610098-25D 0610098-26D

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20247** Instrument ID **Mercury** Method: **SW7470**

MBLK Sample ID: **GBLKW1-101206** Units: **mg/L** Analysis Date: **10/13/06 11:21**
Client ID: Run ID: **MERCURY_061013B** SeqNo: **970136** Prep Date: **10/12/2006** 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: **GLCSW1-101206** Units: **mg/L** Analysis Date: **10/13/06 11:23**
Client ID: Run ID: **MERCURY_061013B** SeqNo: **970137** Prep Date: **10/12/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00537	0.00020	0.005	0	107	85-115	0			

LCSD Sample ID: **GLCSDW1-101206** Units: **mg/L** Analysis Date: **10/13/06 11:28**
Client ID: Run ID: **MERCURY_061013B** SeqNo: **970140** Prep Date: **10/12/2006** 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	0.00537	9.97	20	

MS Sample ID: **0610098-06CMS** Units: **mg/L** Analysis Date: **10/13/06 11:34**
Client ID: **MW-53** Run ID: **MERCURY_061013B** SeqNo: **970143** Prep Date: **10/12/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00531	0.00020	0.005	0.000016	106	85-115	0			

MSD Sample ID: **0610098-06CMSD** Units: **mg/L** Analysis Date: **10/13/06 11:36**
Client ID: **MW-53** Run ID: **MERCURY_061013B** SeqNo: **970144** Prep Date: **10/12/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.0054	0.00020	0.005	0.000016	108	85-115	0.00531	1.68	20	

DUP Sample ID: **0610098-06CDUP** Units: **mg/L** Analysis Date: **10/13/06 11:32**
Client ID: **MW-53** Run ID: **MERCURY_061013B** SeqNo: **970142** Prep Date: **10/12/2006** 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	0.000016	0	20	

The following samples were analyzed in this batch:

0610098-01C	0610098-02C	0610098-03C
0610098-04C	0610098-05C	0610098-06C
0610098-07D	0610098-08C	

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **20248** Instrument ID **Mercury** Method: **SW7470**

MBLK Sample ID: **GBLKW2-101206** Units: **mg/L** Analysis Date: **10/13/06 14:47**
Client ID: Run ID: **MERCURY_061013C** SeqNo: **970426** Prep Date: **10/12/2006** 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: **GLCSW2-101206** Units: **mg/L** Analysis Date: **10/13/06 14:49**
Client ID: Run ID: **MERCURY_061013C** SeqNo: **970427** Prep Date: **10/12/2006** 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	99.4	85-115		0		

LCSD Sample ID: **GLCSDW2-101206** Units: **mg/L** Analysis Date: **10/13/06 14:51**
Client ID: Run ID: **MERCURY_061013C** SeqNo: **970428** Prep Date: **10/12/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00516	0.00020	0.005	0	103	85-115	0.00497	3.75	20	

MS Sample ID: **0610098-17DMS** Units: **mg/L** Analysis Date: **10/13/06 14:57**
Client ID: **MW-15** Run ID: **MERCURY_061013C** SeqNo: **970431** Prep Date: **10/12/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00533	0.00020	0.005	-0.000021	107	85-115		0		

MSD Sample ID: **0610098-17DMSD** Units: **mg/L** Analysis Date: **10/13/06 14:59**
Client ID: **MW-15** Run ID: **MERCURY_061013C** SeqNo: **970432** Prep Date: **10/12/2006** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.0052	0.00020	0.005	-0.000021	104	85-115	0.00533	2.47	20	

DUP Sample ID: **0610098-17DDUP** Units: **mg/L** Analysis Date: **10/13/06 14:55**
Client ID: **MW-15** Run ID: **MERCURY_061013C** SeqNo: **970430** Prep Date: **10/12/2006** 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	-0.000021	0	20	

The following samples were analyzed in this batch:

0610098-09C	0610098-10B	0610098-11C
0610098-16C	0610098-17D	0610098-18D
0610098-19D	0610098-20D	0610098-21D
0610098-22D	0610098-23D	0610098-24D
0610098-25D	0610098-26D	

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42570** Instrument ID **VOA1** Method: **SW8260**

MBLK Sample ID: **VBLKW-061010** Units: **µg/L** Analysis Date: **10/10/06 12:38**

Client ID: Run ID: **VOA1_061010A** SeqNo: **967528** 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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42570** Instrument ID **VOA1** 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	*52.74*	5.0	*50*	0	*105*	*70-125*	0
Surr: 4-Bromofluorobenzene	*56.17*	5.0	*50*	0	*112*	*72.4-125*	0
Surr: Dibromofluoromethane	*58*	5.0	*50*	0	*116*	*71.2-125*	0
Surr: Toluene-d8	*57.33*	5.0	*50*	0	*115*	*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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42570** Instrument ID **VOA1** Method: **SW8260**

LCS Sample ID: **VLCSW-061010** Units: **µg/L** Analysis Date: **10/10/06 11:42**

Client ID: Run ID: **VOA1_061010A** SeqNo: **967527** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	51.39	5.0	50	0	103	79.6-120	0			
1,1,2,2-Tetrachloroethane	53.83	5.0	50	0	108	78.9-121	0			
1,1,2-Trichloroethane	53.72	5.0	50	0	107	80-120	0			
1,1-Dichloroethane	52.79	5.0	50	0	106	74.2-122	0			
1,1-Dichloroethene	49.75	5.0	50	0	99.5	75.8-122	0			
1,2,4-Trimethylbenzene	51.07	5.0	50	0	102	80-120	0			
1,2-Dibromoethane	50.57	5.0	50	0	101	80-120	0			
1,2-Dichloroethane	48.18	5.0	50	0	96.4	78.8-120	0			
1,2-Dichloropropane	53.33	5.0	50	0	107	80-120	0			
1,3,5-Trimethylbenzene	50.55	5.0	50	0	101	80-120	0			
2-Butanone	113.6	10	100	0	114	69.2-131	0			
2-Hexanone	105.5	10	100	0	105	59.1-135	0			
4-Isopropyltoluene	50.81	5.0	50	0	102	80-120	0			
4-Methyl-2-pentanone	106.5	10	100	0	107	71.6-124	0			
Acetone	112.3	10	100	0	112	60.1-141	0			
Benzene	51.54	5.0	50	0	103	80-120	0			
Bromodichloromethane	50.89	5.0	50	0	102	80-120	0			
Bromoform	50.64	5.0	50	0	101	78.1-120	0			
Bromomethane	45.79	5.0	50	0	91.6	52.8-147	0			
Carbon disulfide	107.5	10	100	0	108	78.8-120	0			
Carbon tetrachloride	49.3	5.0	50	0	98.6	76.8-120	0			
Chlorobenzene	50.37	5.0	50	0	101	80-120	0			
Chloroethane	53.5	5.0	50	0	107	74.2-120	0			
Chloroform	50.88	5.0	50	0	102	80-120	0			
Chloromethane	50.25	5.0	50	0	101	63.5-133	0			
cis-1,2-Dichloroethene	53.13	5.0	50	0	106	80-120	0			
cis-1,3-Dichloropropene	52.17	5.0	50	0	104	80-120	0			
Dibromochloromethane	50.89	5.0	50	0	102	80-120	0			
Ethylbenzene	50.27	5.0	50	0	101	80-120	0			
Isopropylbenzene	49.27	5.0	50	0	98.5	80-120	0			
m,p-Xylene	100.5	10	100	0	101	80-120	0			
Methyl tert-butyl ether	53.61	5.0	50	0	107	75.8-123	0			
Methylene chloride	39.88	10	50	0	79.8	74.7-120	0			
n-Butylbenzene	51.9	5.0	50	0	104	80-120	0			
n-Propylbenzene	51.57	5.0	50	0	103	80-120	0			
Naphthalene	55.67	5.0	50	0	111	71.4-124	0			
o-Xylene	50.9	5.0	50	0	102	80-120	0			
sec-Butylbenzene	51.28	5.0	50	0	103	80-120	0			
Styrene	49.81	5.0	50	0	99.6	80-120	0			
Tetrachloroethene	49.06	5.0	50	0	98.1	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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42570**	Instrument ID **VOA1**		Method: **SW8260**				
Toluene	50.83	5.0	50	0	102	80-120	0
trans-1,2-Dichloroethene	52.26	5.0	50	0	105	75.9-122	0
trans-1,3-Dichloropropene	50.19	5.0	50	0	100	80-120	0
Trichloroethene	50.62	5.0	50	0	101	80-120	0
Vinyl chloride	50.97	2.0	50	0	102	76.2-121	0
Xylenes, Total	151.4	15	150	0	101	80-120	0
Surr: 1,2-Dichloroethane-d4	*54.75*	5.0	*50*	0	*110*	*70-125*	0
Surr: 4-Bromofluorobenzene	*55.74*	5.0	*50*	0	*111*	*72.4-125*	0
Surr: Dibromofluoromethane	*58.72*	5.0	*50*	0	*117*	*71.2-125*	0
Surr: Toluene-d8	*57.92*	5.0	*50*	0	*116*	*75-125*	0

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R - RPD outside accepted recovery limits
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CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42570** Instrument ID **VOA1** Method: **SW8260**

MS Sample ID: **0610135-01AMS** Units: **µg/L** Analysis Date: **10/10/06 16:46**

Client ID: Run ID: **VOA1_061010A** SeqNo: **968305** Prep Date: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	233.2	25	250	0	93.3	79.6-120	0			
1,1,2,2-Tetrachloroethane	256.7	25	250	0	103	78.9-121	0			
1,1,2-Trichloroethane	261.2	25	250	0	104	80-120	0			
1,1-Dichloroethane	247.6	25	250	0	99	74.2-122	0			
1,1-Dichloroethene	216.5	25	250	0	86.6	75.8-122	0			
1,2,4-Trimethylbenzene	228.7	25	250	0	91.5	80-120	0			
1,2-Dibromoethane	252.1	25	250	0	101	80-120	0			
1,2-Dichloroethane	227.5	25	250	0	91	78.8-120	0			
1,2-Dichloropropane	259.1	25	250	0	104	80-120	0			
1,3,5-Trimethylbenzene	224.4	25	250	0	89.8	80-120	0			
2-Butanone	506	50	500	0	101	69.2-131	0			
2-Hexanone	467.3	50	500	0	93.5	59.1-135	0			
4-Isopropyltoluene	214.6	25	250	0	85.8	80-120	0			
4-Methyl-2-pentanone	490.6	50	500	0	98.1	71.6-124	0			
Acetone	458.1	50	500	0	91.6	60.1-141	0			
Benzene	264.1	25	250	0	106	80-120	0			
Bromodichloromethane	249	25	250	0	99.6	80-120	0			
Bromoform	241.8	25	250	0	96.7	78.1-120	0			
Bromomethane	179.7	25	250	0	71.9	52.8-147	0			
Carbon disulfide	494.4	50	500	1.223	98.6	78.8-120	0			
Carbon tetrachloride	212.2	25	250	0	84.9	76.8-120	0			
Chlorobenzene	244.2	25	250	0	97.7	80-120	0			
Chloroethane	259.7	25	250	0	104	74.2-120	0			
Chloroform	248.8	25	250	0	99.5	80-120	0			
Chloromethane	241.7	25	250	0	96.7	63.5-133	0			
cis-1,2-Dichloroethene	501.6	25	250	269	93	80-120	0			
cis-1,3-Dichloropropene	252.4	25	250	0	101	80-120	0			
Dibromochloromethane	247.4	25	250	0	99	80-120	0			
Ethylbenzene	233.1	25	250	0	93.2	80-120	0			
Isopropylbenzene	227.3	25	250	0	90.9	80-120	0			
m,p-Xylene	477.7	50	500	0	95.5	80-120	0			
Methyl tert-butyl ether	256.4	25	250	0	103	75.8-123	0			
Methylene chloride	276.1	50	250	10.74	106	74.7-120	0			
n-Butylbenzene	212.6	25	250	0	85	80-120	0			
n-Propylbenzene	224.3	25	250	0	89.7	80-120	0			
Naphthalene	233.4	25	250	0	93.4	71.4-124	0			
o-Xylene	242.4	25	250	0	97	80-120	0			
sec-Butylbenzene	215	25	250	0	86	80-120	0			
Styrene	245.7	25	250	0	98.3	80-120	0			
Tetrachloroethene	234.9	25	250	19.1	86.3	80-120	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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42570** Instrument ID **VOA1** Method: **SW8260**

Toluene	244.9	25	250	0	98	80-120	0
trans-1,2-Dichloroethene	247.2	25	250	4.583	97.1	75.9-122	0
trans-1,3-Dichloropropene	249.1	25	250	0	99.7	80-120	0
Trichloroethene	280.2	25	250	46.46	93.5	80-120	0
Vinyl chloride	304	10	250	73.5	92.2	76.2-121	0
Xylenes, Total	720.1	75	750	0	96	80-120	0
Surr: 1,2-Dichloroethane-d4	*254.8*	25	*250*	0	*102*	*70-125*	0
Surr: 4-Bromofluorobenzene	*276.7*	25	*250*	0	*111*	*72.4-125*	0
Surr: Dibromofluoromethane	*285.6*	25	*250*	0	*114*	*71.2-125*	0
Surr: Toluene-d8	*289.5*	25	*250*	0	*116*	*75-125*	0

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R - RPD outside accepted recovery limits
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B - Analyte detected in assoc. Method Blank
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CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42570** Instrument ID **VOA1** Method: **SW8260**

MSD Sample ID: **0610135-01AMSD** Units: **µg/L** Analysis Date: **10/10/06 17:13**

Client ID: Run ID: **VOA1_061010A** SeqNo: **968306** Prep Date: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	217.7	25	250	0	87.1	79.6-120	233.2	6.89	20	
1,1,2,2-Tetrachloroethane	251.7	25	250	0	101	78.9-121	256.7	1.95	20	
1,1,2-Trichloroethane	264.5	25	250	0	106	80-120	261.2	1.23	20	
1,1-Dichloroethane	254.9	25	250	0	102	74.2-122	247.6	2.91	20	
1,1-Dichloroethene	212.5	25	250	0	85	75.8-122	216.5	1.88	20	
1,2,4-Trimethylbenzene	214.4	25	250	0	85.8	80-120	228.7	6.44	20	
1,2-Dibromoethane	249.6	25	250	0	99.8	80-120	252.1	1.02	20	
1,2-Dichloroethane	239.6	25	250	0	95.9	78.8-120	227.5	5.17	20	
1,2-Dichloropropane	262.9	25	250	0	105	80-120	259.1	1.44	20	
1,3,5-Trimethylbenzene	211.4	25	250	0	84.6	80-120	224.4	5.95	20	
2-Butanone	501.9	50	500	0	100	69.2-131	506	0.82	20	
2-Hexanone	489.5	50	500	0	97.9	59.1-135	467.3	4.64	20	
4-Isopropyltoluene	192	25	250	0	76.8	80-120	214.6	11.1	20	S
4-Methyl-2-pentanone	498.6	50	500	0	99.7	71.6-124	490.6	1.62	20	
Acetone	476.2	50	500	0	95.2	60.1-141	458.1	3.86	20	
Benzene	253.2	25	250	0	101	80-120	264.1	4.2	20	
Bromodichloromethane	252.9	25	250	0	101	80-120	249	1.57	20	
Bromoform	242.5	25	250	0	97	78.1-120	241.8	0.303	20	
Bromomethane	206.4	25	250	0	82.6	52.8-147	179.7	13.8	20	
Carbon disulfide	472.7	50	500	1.223	94.3	78.8-120	494.4	4.48	20	
Carbon tetrachloride	193.8	25	250	0	77.5	76.8-120	212.2	9.08	20	
Chlorobenzene	237.9	25	250	0	95.1	80-120	244.2	2.62	20	
Chloroethane	239.3	25	250	0	95.7	74.2-120	259.7	8.18	20	
Chloroform	251.8	25	250	0	101	80-120	248.8	1.22	20	
Chloromethane	238.7	25	250	0	95.5	63.5-133	241.7	1.23	20	
cis-1,2-Dichloroethene	521.2	25	250	269	101	80-120	501.6	3.83	20	
cis-1,3-Dichloropropene	252.4	25	250	0	101	80-120	252.4	0.00215	20	
Dibromochloromethane	247.9	25	250	0	99.2	80-120	247.4	0.191	20	
Ethylbenzene	221.8	25	250	0	88.7	80-120	233.1	4.98	20	
Isopropylbenzene	204.4	25	250	0	81.8	80-120	227.3	10.6	20	
m,p-Xylene	450.1	50	500	0	90	80-120	477.7	5.97	20	
Methyl tert-butyl ether	263.1	25	250	0	105	75.8-123	256.4	2.58	20	
Methylene chloride	274.4	50	250	10.74	105	74.7-120	276.1	0.632	20	
n-Butylbenzene	186.1	25	250	0	74.4	80-120	212.6	13.3	20	S
n-Propylbenzene	208.2	25	250	0	83.3	80-120	224.3	7.43	20	
Naphthalene	229.8	25	250	0	91.9	71.4-124	233.4	1.54	20	
o-Xylene	231.9	25	250	0	92.8	80-120	242.4	4.4	20	
sec-Butylbenzene	187.8	25	250	0	75.1	80-120	215	13.5	20	S
Styrene	243.5	25	250	0	97.4	80-120	245.7	0.883	20	
Tetrachloroethene	217.9	25	250	19.1	79.5	80-120	234.9	7.5	20	S

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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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42570**	Instrument ID **VOA1**		Method: **SW8260**						
Toluene	238.1	25	250	0	95.2	80-120	244.9	2.85	20
trans-1,2-Dichloroethene	255.8	25	250	4.583	100	75.9-122	247.2	3.39	20
trans-1,3-Dichloropropene	250.2	25	250	0	100	80-120	249.1	0.435	20
Trichloroethene	280.8	25	250	46.46	93.7	80-120	280.2	0.203	20
Vinyl chloride	296.8	10	250	73.5	89.3	76.2-121	304	2.43	20
Xylenes, Total	682	75	750	0	90.9	80-120	720.1	5.44	20
Surr: 1,2-Dichloroethane-d4	*258.9*	25	*250*	0	*104*	*70-125*	254.8	*1.61*	*20*
Surr: 4-Bromofluorobenzene	*275.7*	25	*250*	0	*110*	*72.4-125*	276.7	*0.341*	*20*
Surr: Dibromofluoromethane	*294.2*	25	*250*	0	*118*	*71.2-125*	285.6	*2.98*	*20*
Surr: Toluene-d8	*294*	25	*250*	0	*118*	*75-125*	289.5	*1.55*	*20*

The following samples were analyzed in this batch:

0610098-01A	0610098-03A	0610098-04A
0610098-05A	0610098-06A	0610098-07A
0610098-09A	0610098-11A	0610098-12A
0610098-13A	0610098-14A	0610098-15A

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CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42584** Instrument ID **VOA2** Method: **SW8260**

MBLK Sample ID: **VBLKW-061010** Units: **µg/L** Analysis Date: **10/10/06 12:21**

Client ID: Run ID: **VOA2_061010A** SeqNo: **967844** 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								

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CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42584**	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	*44.17*	5.0	*50*	0	*88.3*	*70-125*	0
Surr: 4-Bromofluorobenzene	*42.58*	5.0	*50*	0	*85.2*	*72.4-125*	0
Surr: Dibromofluoromethane	*43.49*	5.0	*50*	0	*87*	*71.2-125*	0
Surr: Toluene-d8	*47.41*	5.0	*50*	0	*94.8*	*75-125*	0

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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
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CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42584** Instrument ID **VOA2** Method: **SW8260**

LCS Sample ID: **VLCSW-061010** Units: **µg/L** Analysis Date: **10/10/06 11:31**

Client ID: Run ID: **VOA2_061010A** SeqNo: **967843** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	51.56	5.0	50	0	103	79.6-120	0			
1,1,2,2-Tetrachloroethane	44.27	5.0	50	0	88.5	78.9-121	0			
1,1,2-Trichloroethane	46.99	5.0	50	0	94	80-120	0			
1,1-Dichloroethane	46.01	5.0	50	0	92	74.2-122	0			
1,1-Dichloroethene	49.38	5.0	50	0	98.8	75.8-122	0			
1,2,4-Trimethylbenzene	53.05	5.0	50	0	106	80-120	0			
1,2-Dibromoethane	47.89	5.0	50	0	95.8	80-120	0			
1,2-Dichloroethane	49.57	5.0	50	0	99.1	78.8-120	0			
1,2-Dichloropropane	50.42	5.0	50	0	101	80-120	0			
1,3,5-Trimethylbenzene	53.56	5.0	50	0	107	80-120	0			
2-Butanone	78.1	10	100	0	78.1	69.2-131	0			
2-Hexanone	86.17	10	100	0	86.2	59.1-135	0			
4-Isopropyltoluene	55.38	5.0	50	0	111	80-120	0			
4-Methyl-2-pentanone	88.6	10	100	0	88.6	71.6-124	0			
Acetone	83.76	10	100	0	83.8	60.1-141	0			
Benzene	51.49	5.0	50	0	103	80-120	0			
Bromodichloromethane	52.55	5.0	50	0	105	80-120	0			
Bromoform	46.78	5.0	50	0	93.6	78.1-120	0			
Bromomethane	50.07	5.0	50	0	100	52.8-147	0			
Carbon disulfide	94.85	10	100	0	94.9	78.8-120	0			
Carbon tetrachloride	50.63	5.0	50	0	101	76.8-120	0			
Chlorobenzene	49.33	5.0	50	0	98.7	80-120	0			
Chloroethane	47.94	5.0	50	0	95.9	74.2-120	0			
Chloroform	50.97	5.0	50	0	102	80-120	0			
Chloromethane	51.66	5.0	50	0	103	63.5-133	0			
cis-1,2-Dichloroethene	46.5	5.0	50	0	93	80-120	0			
cis-1,3-Dichloropropene	52.9	5.0	50	0	106	80-120	0			
Dibromochloromethane	52.07	5.0	50	0	104	80-120	0			
Ethylbenzene	52.27	5.0	50	0	105	80-120	0			
Isopropylbenzene	55.3	5.0	50	0	111	80-120	0			
m,p-Xylene	104.4	10	100	0	104	80-120	0			
Methyl tert-butyl ether	43.94	5.0	50	0	87.9	75.8-123	0			
Methylene chloride	47.94	10	50	0	95.9	74.7-120	0			
n-Butylbenzene	55.69	5.0	50	0	111	80-120	0			
n-Propylbenzene	53.73	5.0	50	0	107	80-120	0			
Naphthalene	46.32	5.0	50	0	92.6	71.4-124	0			
o-Xylene	52.47	5.0	50	0	105	80-120	0			
sec-Butylbenzene	55.7	5.0	50	0	111	80-120	0			
Styrene	53.94	5.0	50	0	108	80-120	0			
Tetrachloroethene	50.99	5.0	50	0	102	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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42584**	Instrument ID **VOA2**			Method: **SW8260**			
Toluene	51.26	5.0	50	0	103	80-120	0
trans-1,2-Dichloroethene	46.37	5.0	50	0	92.7	75.9-122	0
trans-1,3-Dichloropropene	52.2	5.0	50	0	104	80-120	0
Trichloroethene	51.38	5.0	50	0	103	80-120	0
Vinyl chloride	47.78	2.0	50	0	95.6	76.2-121	0
Xylenes, Total	156.8	15	150	0	105	80-120	0
Surr: 1,2-Dichloroethane-d4	*43.21*	5.0	*50*	0	*86.4*	*70-125*	0
Surr: 4-Bromofluorobenzene	*48.46*	5.0	*50*	0	*96.9*	*72.4-125*	0
Surr: Dibromofluoromethane	*46.26*	5.0	*50*	0	*92.5*	*71.2-125*	0
Surr: Toluene-d8	*48.21*	5.0	*50*	0	*96.4*	*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
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P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42584** Instrument ID **VOA2** Method: **SW8260**

MS Sample ID: **0610047-20AMS** Units: **µg/L** Analysis Date: **10/10/06 17:23**

Client ID: Run ID: **VOA2_061010A** SeqNo: **967852** 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	37.92	5.0	50	0	75.8	79.6-120		0		S
1,1,2,2-Tetrachloroethane	42.93	5.0	50	0	85.9	78.9-121		0		
1,1,2-Trichloroethane	43.66	5.0	50	0	87.3	80-120		0		
1,1-Dichloroethane	35.68	5.0	50	0	71.4	74.2-122		0		S
1,1-Dichloroethene	34.77	5.0	50	0	69.5	75.8-122		0		S
1,2,4-Trimethylbenzene	45.23	5.0	50	0	90.5	80-120		0		
1,2-Dibromoethane	46.59	5.0	50	0	93.2	80-120		0		
1,2-Dichloroethane	43.53	5.0	50	0	87.1	78.8-120		0		
1,2-Dichloropropane	44.34	5.0	50	0	88.7	80-120		0		
1,3,5-Trimethylbenzene	44.27	5.0	50	0	88.5	80-120		0		
2-Butanone	69.58	10	100	0	69.6	69.2-131		0		
2-Hexanone	72.12	10	100	0	72.1	59.1-135		0		
4-Isopropyltoluene	43.12	5.0	50	0	86.2	80-120		0		
4-Methyl-2-pentanone	79.78	10	100	0	79.8	71.6-124		0		
Acetone	56.99	10	100	6.008	51	60.1-141		0		S
Benzene	73.45	5.0	50	34.53	77.9	80-120		0		S
Bromodichloromethane	47.21	5.0	50	0	94.4	80-120		0		
Bromoform	44.79	5.0	50	0	89.6	78.1-120		0		
Bromomethane	41.69	5.0	50	0	83.4	52.8-147		0		
Carbon disulfide	66.52	10	100	0	66.5	78.8-120		0		S
Carbon tetrachloride	36.23	5.0	50	0	72.5	76.8-120		0		S
Chlorobenzene	131	5.0	50	93.23	75.6	80-120		0		S
Chloroethane	35.35	5.0	50	0	70.7	74.2-120		0		S
Chloroform	43.95	5.0	50	0	87.9	80-120		0		
Chloromethane	35.41	5.0	50	0	70.8	63.5-133		0		
cis-1,2-Dichloroethene	48.66	5.0	50	0	97.3	80-120		0		
cis-1,3-Dichloropropene	49.39	5.0	50	0	98.8	80-120		0		
Dibromochloromethane	50.13	5.0	50	0	100	80-120		0		
Ethylbenzene	46.68	5.0	50	1.287	90.8	80-120		0		
Isopropylbenzene	53.01	5.0	50	6.841	92.3	80-120		0		
m,p-Xylene	99.6	10	100	8.044	91.6	80-120		0		
Methyl tert-butyl ether	39.43	5.0	50	0	78.9	75.8-123		0		
Methylene chloride	41.43	10	50	0	82.9	74.7-120		0		
n-Butylbenzene	40.87	5.0	50	0	81.7	80-120		0		
n-Propylbenzene	42.64	5.0	50	0	85.3	80-120		0		
Naphthalene	51.48	5.0	50	3.466	96	71.4-124		0		
o-Xylene	51.33	5.0	50	3.789	95.1	80-120		0		
sec-Butylbenzene	42.03	5.0	50	0	84.1	80-120		0		
Styrene	49.13	5.0	50	0	98.3	80-120		0		
Tetrachloroethene	42.1	5.0	50	0	84.2	80-120		0		

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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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42584**	Instrument ID **VOA2**		Method: **SW8260**					
Toluene	49.08	5.0	50	3.755	90.7	80-120	0	
trans-1,2-Dichloroethene	36.9	5.0	50	0	73.8	75.9-122	0	S
trans-1,3-Dichloropropene	49.43	5.0	50	0	98.9	80-120	0	
Trichloroethene	44.51	5.0	50	0	89	80-120	0	
Vinyl chloride	32.7	2.0	50	0	65.4	76.2-121	0	S
Xylenes, Total	150.9	15	150	11.83	92.7	80-120	0	
Surr: 1,2-Dichloroethane-d4	*36.7*	5.0	*50*	0	*73.4*	*70-125*	0	
Surr: 4-Bromofluorobenzene	*45.87*	5.0	*50*	0	*91.7*	*72.4-125*	0	
Surr: Dibromofluoromethane	*43.31*	5.0	*50*	0	*86.6*	*71.2-125*	0	
Surr: Toluene-d8	*48.04*	5.0	*50*	0	*96.1*	*75-125*	0	

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

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42584** Instrument ID **VOA2** Method: **SW8260**

MSD Sample ID: **0610047-20AMSD** Units: **µg/L** Analysis Date: **10/10/06 17:48**

Client ID: Run ID: **VOA2_061010A** SeqNo: **967853** 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	42.66	5.0	50	0	85.3	79.6-120	37.92	11.8	20	
1,1,2,2-Tetrachloroethane	45.09	5.0	50	0	90.2	78.9-121	42.93	4.89	20	
1,1,2-Trichloroethane	45.5	5.0	50	0	91	80-120	43.66	4.13	20	
1,1-Dichloroethane	37.77	5.0	50	0	75.5	74.2-122	35.68	5.67	20	
1,1-Dichloroethene	39.39	5.0	50	0	78.8	75.8-122	34.77	12.4	20	
1,2,4-Trimethylbenzene	48.49	5.0	50	0	97	80-120	45.23	6.96	20	
1,2-Dibromoethane	48.28	5.0	50	0	96.6	80-120	46.59	3.56	20	
1,2-Dichloroethane	44.52	5.0	50	0	89	78.8-120	43.53	2.24	20	
1,2-Dichloropropane	46.05	5.0	50	0	92.1	80-120	44.34	3.77	20	
1,3,5-Trimethylbenzene	47.64	5.0	50	0	95.3	80-120	44.27	7.32	20	
2-Butanone	70.16	10	100	0	70.2	69.2-131	69.58	0.838	20	
2-Hexanone	75.7	10	100	0	75.7	59.1-135	72.12	4.83	20	
4-Isopropyltoluene	48.11	5.0	50	0	96.2	80-120	43.12	10.9	20	
4-Methyl-2-pentanone	82.42	10	100	0	82.4	71.6-124	79.78	3.25	20	
Acetone	62.68	10	100	6.008	56.7	60.1-141	56.99	9.51	20	S
Benzene	75.24	5.0	50	34.53	81.4	80-120	73.45	2.41	20	
Bromodichloromethane	48.93	5.0	50	0	97.9	80-120	47.21	3.58	20	
Bromoform	47.83	5.0	50	0	95.7	78.1-120	44.79	6.57	20	
Bromomethane	44.82	5.0	50	0	89.6	52.8-147	41.69	7.23	20	
Carbon disulfide	76.03	10	100	0	76	78.8-120	66.52	13.3	20	S
Carbon tetrachloride	42.43	5.0	50	0	84.9	76.8-120	36.23	15.8	20	
Chlorobenzene	134.4	5.0	50	93.23	82.4	80-120	131	2.54	20	
Chloroethane	38.11	5.0	50	0	76.2	74.2-120	35.35	7.49	20	
Chloroform	45.45	5.0	50	0	90.9	80-120	43.95	3.37	20	
Chloromethane	39.37	5.0	50	0	78.7	63.5-133	35.41	10.6	20	
cis-1,2-Dichloroethene	49.71	5.0	50	0	99.4	80-120	48.66	2.13	20	
cis-1,3-Dichloropropene	51.45	5.0	50	0	103	80-120	49.39	4.09	20	
Dibromochloromethane	51.93	5.0	50	0	104	80-120	50.13	3.54	20	
Ethylbenzene	49.81	5.0	50	1.287	97.1	80-120	46.68	6.5	20	
Isopropylbenzene	56.59	5.0	50	6.841	99.5	80-120	53.01	6.54	20	
m,p-Xylene	105.4	10	100	8.044	97.4	80-120	99.6	5.7	20	
Methyl tert-butyl ether	40.64	5.0	50	0	81.3	75.8-123	39.43	3.02	20	
Methylene chloride	42.41	10	50	0	84.8	74.7-120	41.43	2.34	20	
n-Butylbenzene	45.56	5.0	50	0	91.1	80-120	40.87	10.8	20	
n-Propylbenzene	46.82	5.0	50	0	93.6	80-120	42.64	9.35	20	
Naphthalene	60.3	5.0	50	3.466	114	71.4-124	51.48	15.8	20	
o-Xylene	53.42	5.0	50	3.789	99.3	80-120	51.33	4	20	
sec-Butylbenzene	47.44	5.0	50	0	94.9	80-120	42.03	12.1	20	
Styrene	52.08	5.0	50	0	104	80-120	49.13	5.83	20	
Tetrachloroethene	47.01	5.0	50	0	94	80-120	42.1	11	20	

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42584**	Instrument ID **VOA2**		Method: **SW8260**							
Toluene	52.39	5.0	50	3.755	97.3	80-120	49.08	6.53	20	
trans-1,2-Dichloroethene	40.66	5.0	50	0	81.3	75.9-122	36.9	9.68	20	
trans-1,3-Dichloropropene	52.24	5.0	50	0	104	80-120	49.43	5.53	20	
Trichloroethene	49.04	5.0	50	0	98.1	80-120	44.51	9.68	20	
Vinyl chloride	36.7	2.0	50	0	73.4	76.2-121	32.7	11.5	20	S
Xylenes, Total	158.9	15	150	11.83	98	80-120	150.9	5.13	20	
Surr: 1,2-Dichloroethane-d4	*36.47*	5.0	*50*	0	*72.9*	*70-125*	36.7	*0.632*	*20*	
Surr: 4-Bromofluorobenzene	*46.68*	5.0	*50*	0	*93.4*	*72.4-125*	45.87	*1.76*	*20*	
Surr: Dibromofluoromethane	*44.37*	5.0	*50*	0	*88.7*	*71.2-125*	43.31	*2.42*	*20*	
Surr: Toluene-d8	*49.6*	5.0	*50*	0	*99.2*	*75-125*	48.04	*3.2*	*20*	

The following samples were analyzed in this batch: 0610098-27A 0610098-28A 0610098-29A

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CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42631** Instrument ID **VOA1** Method: **SW8260**

MBLK Sample ID: **VBLKW-061011** Units: **µg/L** Analysis Date: **10/11/06 11:49**

Client ID: Run ID: **VOA1_061011A** SeqNo: **968800** 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								

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U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42631** Instrument ID **VOA1** 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	*52.95*	5.0	*50*	0	*106*	*70-125*	0
Surr: 4-Bromofluorobenzene	*54.99*	5.0	*50*	0	*110*	*72.4-125*	0
Surr: Dibromofluoromethane	*58.62*	5.0	*50*	0	*117*	*71.2-125*	0
Surr: Toluene-d8	*58.27*	5.0	*50*	0	*117*	*75-125*	0

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

CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42631** Instrument ID **VOA1** Method: **SW8260**

LCS Sample ID: **VLCSW-061011** Units: **µg/L** Analysis Date: **10/11/06 10:55**

Client ID: Run ID: **VOA1_061011A** SeqNo: **968799** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.61	5.0	50	0	99.2	79.6-120		0		
1,1,2,2-Tetrachloroethane	48.7	5.0	50	0	97.4	78.9-121		0		
1,1,2-Trichloroethane	50.53	5.0	50	0	101	80-120		0		
1,1-Dichloroethane	51.02	5.0	50	0	102	74.2-122		0		
1,1-Dichloroethene	47.65	5.0	50	0	95.3	75.8-122		0		
1,2,4-Trimethylbenzene	47.94	5.0	50	0	95.9	80-120		0		
1,2-Dibromoethane	48.15	5.0	50	0	96.3	80-120		0		
1,2-Dichloroethane	44.76	5.0	50	0	89.5	78.8-120		0		
1,2-Dichloropropane	50.61	5.0	50	0	101	80-120		0		
1,3,5-Trimethylbenzene	47.47	5.0	50	0	94.9	80-120		0		
2-Butanone	101.6	10	100	0	102	69.2-131		0		
2-Hexanone	91.43	10	100	0	91.4	59.1-135		0		
4-Isopropyltoluene	46.6	5.0	50	0	93.2	80-120		0		
4-Methyl-2-pentanone	93.75	10	100	0	93.7	71.6-124		0		
Acetone	111.8	10	100	0	112	60.1-141		0		
Benzene	50.06	5.0	50	0	100	80-120		0		
Bromodichloromethane	49.06	5.0	50	0	98.1	80-120		0		
Bromoform	46.11	5.0	50	0	92.2	78.1-120		0		
Bromomethane	47.59	5.0	50	0	95.2	52.8-147		0		
Carbon disulfide	105.9	10	100	0	106	78.8-120		0		
Carbon tetrachloride	46.68	5.0	50	0	93.4	76.8-120		0		
Chlorobenzene	48.01	5.0	50	0	96	80-120		0		
Chloroethane	53.95	5.0	50	0	108	74.2-120		0		
Chloroform	49.46	5.0	50	0	98.9	80-120		0		
Chloromethane	51.36	5.0	50	0	103	63.5-133		0		
cis-1,2-Dichloroethene	52.16	5.0	50	0	104	80-120		0		
cis-1,3-Dichloropropene	50.24	5.0	50	0	100	80-120		0		
Dibromochloromethane	47.64	5.0	50	0	95.3	80-120		0		
Ethylbenzene	47.7	5.0	50	0	95.4	80-120		0		
Isopropylbenzene	46.84	5.0	50	0	93.7	80-120		0		
m,p-Xylene	96.94	10	100	0	96.9	80-120		0		
Methyl tert-butyl ether	49.21	5.0	50	0	98.4	75.8-123		0		
Methylene chloride	54.78	10	50	0	110	74.7-120		0		
n-Butylbenzene	47.18	5.0	50	0	94.4	80-120		0		
n-Propylbenzene	48.33	5.0	50	0	96.7	80-120		0		
Naphthalene	47.83	5.0	50	0	95.7	71.4-124		0		
o-Xylene	48.75	5.0	50	0	97.5	80-120		0		
sec-Butylbenzene	47.42	5.0	50	0	94.8	80-120		0		
Styrene	49.39	5.0	50	0	98.8	80-120		0		
Tetrachloroethene	45.52	5.0	50	0	91	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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42631**	Instrument ID **VOA1**		Method: **SW8260**				
Toluene	49.2	5.0	50	0	98.4	80-120	0
trans-1,2-Dichloroethene	51.33	5.0	50	0	103	75.9-122	0
trans-1,3-Dichloropropene	48.19	5.0	50	0	96.4	80-120	0
Trichloroethene	47.98	5.0	50	0	96	80-120	0
Vinyl chloride	52.66	2.0	50	0	105	76.2-121	0
Xylenes, Total	145.7	15	150	0	97.1	80-120	0
Surr: 1,2-Dichloroethane-d4	*52.38*	5.0	*50*	0	*105*	*70-125*	0
Surr: 4-Bromofluorobenzene	*57.8*	5.0	*50*	0	*116*	*72.4-125*	0
Surr: Dibromofluoromethane	*58.51*	5.0	*50*	0	*117*	*71.2-125*	0
Surr: Toluene-d8	*58.19*	5.0	*50*	0	*116*	*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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42631** Instrument ID **VOA1** Method: **SW8260**

MS Sample ID: **0610098-08AMS** Units: **µg/L** Analysis Date: **10/11/06 16:27**

Client ID: **MW-29** Run ID: **VOA1_061011A** SeqNo: **968895** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.21	5.0	50	0	98.4	79.6-120	0			
1,1,2,2-Tetrachloroethane	53.75	5.0	50	0	107	78.9-121	0			
1,1,2-Trichloroethane	53.65	5.0	50	0	107	80-120	0			
1,1-Dichloroethane	52.31	5.0	50	0	105	74.2-122	0			
1,1-Dichloroethene	48.37	5.0	50	0	96.7	75.8-122	0			
1,2,4-Trimethylbenzene	50.28	5.0	50	4.855	90.8	80-120	0			
1,2-Dibromoethane	51.07	5.0	50	0	102	80-120	0			
1,2-Dichloroethane	47.47	5.0	50	0	94.9	78.8-120	0			
1,2-Dichloropropane	54.29	5.0	50	0	109	80-120	0			
1,3,5-Trimethylbenzene	45.98	5.0	50	0.7366	90.5	80-120	0			
2-Butanone	117.1	10	100	0	117	69.2-131	0			
2-Hexanone	110.1	10	100	0	110	59.1-135	0			
4-Isopropyltoluene	44.75	5.0	50	0	89.5	80-120	0			
4-Methyl-2-pentanone	114.3	10	100	0	114	71.6-124	0			
Acetone	105.8	10	100	0	106	60.1-141	0			
Benzene	59.76	5.0	50	10.64	98.2	80-120	0			
Bromodichloromethane	50.6	5.0	50	0	101	80-120	0			
Bromoform	48.63	5.0	50	0	97.3	78.1-120	0			
Bromomethane	27.03	5.0	50	0	54.1	52.8-147	0			
Carbon disulfide	104.9	10	100	0	105	78.8-120	0			
Carbon tetrachloride	45.56	5.0	50	0	91.1	76.8-120	0			
Chlorobenzene	48.47	5.0	50	0	96.9	80-120	0			
Chloroethane	52.38	5.0	50	0	105	74.2-120	0			
Chloroform	50.63	5.0	50	0	101	80-120	0			
Chloromethane	51.6	5.0	50	0	103	63.5-133	0			
cis-1,2-Dichloroethene	52.4	5.0	50	0	105	80-120	0			
cis-1,3-Dichloropropene	51.63	5.0	50	0	103	80-120	0			
Dibromochloromethane	50.22	5.0	50	0	100	80-120	0			
Ethylbenzene	55.14	5.0	50	9.788	90.7	80-120	0			
Isopropylbenzene	51.07	5.0	50	6.869	88.4	80-120	0			
m,p-Xylene	105.8	10	100	11.17	94.6	80-120	0			
Methyl tert-butyl ether	54.95	5.0	50	0	110	75.8-123	0			
Methylene chloride	56.37	10	50	0	113	74.7-120	0			
n-Butylbenzene	44.27	5.0	50	0	88.5	80-120	0			
n-Propylbenzene	47.88	5.0	50	2.287	91.2	80-120	0			
Naphthalene	51.18	5.0	50	2.216	97.9	71.4-124	0			
o-Xylene	49.3	5.0	50	0.719	97.2	80-120	0			
sec-Butylbenzene	45.96	5.0	50	2.477	87	80-120	0			
Styrene	49.31	5.0	50	0	98.6	80-120	0			
Tetrachloroethene	44.5	5.0	50	0	89	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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42631** Instrument ID **VOA1** Method: **SW8260**

Toluene	50.77	5.0	50	2.179	97.2	80-120	0
trans-1,2-Dichloroethene	51.97	5.0	50	0	104	75.9-122	0
trans-1,3-Dichloropropene	50.39	5.0	50	0	101	80-120	0
Trichloroethene	47.2	5.0	50	0	94.4	80-120	0
Vinyl chloride	51.78	2.0	50	0	104	76.2-121	0
Xylenes, Total	155.1	15	150	11.89	95.5	80-120	0
Surr: 1,2-Dichloroethane-d4	*54.58*	5.0	*50*	0	*109*	*70-125*	0
Surr: 4-Bromofluorobenzene	*56.43*	5.0	*50*	0	*113*	*72.4-125*	0
Surr: Dibromofluoromethane	*59*	5.0	*50*	0	*118*	*71.2-125*	0
Surr: Toluene-d8	*57.84*	5.0	*50*	0	*116*	*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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42631** Instrument ID **VOA1** Method: **SW8260**

MSD Sample ID: **0610098-08AMSD** Units: **µg/L** Analysis Date: **10/11/06 16:55**

Client ID: **MW-29** Run ID: **VOA1_061011A** SeqNo: **968896** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.89	5.0	50	0	99.8	79.6-120	49.21	1.37	20	
1,1,2,2-Tetrachloroethane	55.2	5.0	50	0	110	78.9-121	53.75	2.66	20	
1,1,2-Trichloroethane	55.15	5.0	50	0	110	80-120	53.65	2.76	20	
1,1-Dichloroethane	53.32	5.0	50	0	107	74.2-122	52.31	1.92	20	
1,1-Dichloroethene	50.09	5.0	50	0	100	75.8-122	48.37	3.48	20	
1,2,4-Trimethylbenzene	50.85	5.0	50	4.855	92	80-120	50.28	1.13	20	
1,2-Dibromoethane	51.88	5.0	50	0	104	80-120	51.07	1.57	20	
1,2-Dichloroethane	48.87	5.0	50	0	97.7	78.8-120	47.47	2.91	20	
1,2-Dichloropropane	54.46	5.0	50	0	109	80-120	54.29	0.313	20	
1,3,5-Trimethylbenzene	47.26	5.0	50	0.7366	93.1	80-120	45.98	2.76	20	
2-Butanone	108.7	10	100	0	109	69.2-131	117.1	7.49	20	
2-Hexanone	113.6	10	100	0	114	59.1-135	110.1	3.11	20	
4-Isopropyltoluene	44.65	5.0	50	0	89.3	80-120	44.75	0.232	20	
4-Methyl-2-pentanone	117	10	100	0	117	71.6-124	114.3	2.36	20	
Acetone	107.3	10	100	0	107	60.1-141	105.8	1.4	20	
Benzene	60.54	5.0	50	10.64	99.8	80-120	59.76	1.28	20	
Bromodichloromethane	51.84	5.0	50	0	104	80-120	50.6	2.42	20	
Bromoform	51.16	5.0	50	0	102	78.1-120	48.63	5.07	20	
Bromomethane	34.47	5.0	50	0	68.9	52.8-147	27.03	24.2	20	R
Carbon disulfide	109.2	10	100	0	109	78.8-120	104.9	3.98	20	
Carbon tetrachloride	46.7	5.0	50	0	93.4	76.8-120	45.56	2.47	20	
Chlorobenzene	49.01	5.0	50	0	98	80-120	48.47	1.11	20	
Chloroethane	53.83	5.0	50	0	108	74.2-120	52.38	2.73	20	
Chloroform	52.59	5.0	50	0	105	80-120	50.63	3.79	20	
Chloromethane	51.18	5.0	50	0	102	63.5-133	51.6	0.823	20	
cis-1,2-Dichloroethene	55.13	5.0	50	0	110	80-120	52.4	5.09	20	
cis-1,3-Dichloropropene	53.13	5.0	50	0	106	80-120	51.63	2.87	20	
Dibromochloromethane	50.61	5.0	50	0	101	80-120	50.22	0.783	20	
Ethylbenzene	56.58	5.0	50	9.788	93.6	80-120	55.14	2.57	20	
Isopropylbenzene	52.12	5.0	50	6.869	90.5	80-120	51.07	2.03	20	
m,p-Xylene	106.9	10	100	11.17	95.7	80-120	105.8	1.01	20	
Methyl tert-butyl ether	56.87	5.0	50	0	114	75.8-123	54.95	3.42	20	
Methylene chloride	57.03	10	50	0	114	74.7-120	56.37	1.16	20	
n-Butylbenzene	45.42	5.0	50	0	90.8	80-120	44.27	2.58	20	
n-Propylbenzene	49.36	5.0	50	2.287	94.1	80-120	47.88	3.04	20	
Naphthalene	53.9	5.0	50	2.216	103	71.4-124	51.18	5.18	20	
o-Xylene	49.68	5.0	50	0.719	97.9	80-120	49.3	0.778	20	
sec-Butylbenzene	47.04	5.0	50	2.477	89.1	80-120	45.96	2.31	20	
Styrene	49.98	5.0	50	0	100	80-120	49.31	1.36	20	
Tetrachloroethene	46.08	5.0	50	0	92.2	80-120	44.5	3.49	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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42631** Instrument ID **VOA1** Method: **SW8260**

Toluene	51.69	5.0	50	2.179	99	80-120	50.77	1.79	20
trans-1,2-Dichloroethene	53.73	5.0	50	0	107	75.9-122	51.97	3.32	20
trans-1,3-Dichloropropene	52.12	5.0	50	0	104	80-120	50.39	3.37	20
Trichloroethene	48.33	5.0	50	0	96.7	80-120	47.2	2.37	20
Vinyl chloride	52.23	2.0	50	0	104	76.2-121	51.78	0.86	20
Xylenes, Total	156.6	15	150	11.89	96.5	80-120	155.1	0.934	20
Surr: 1,2-Dichloroethane-d4	*54.51*	5.0	*50*	0	*109*	*70-125*	54.58	*0.133*	*20*
Surr: 4-Bromofluorobenzene	*55.75*	5.0	*50*	0	*111*	*72.4-125*	56.43	*1.22*	*20*
Surr: Dibromofluoromethane	*60.36*	5.0	*50*	0	*121*	*71.2-125*	59	*2.27*	*20*
Surr: Toluene-d8	*58.02*	5.0	*50*	0	*116*	*75-125*	57.84	*0.312*	*20*

The following samples were analyzed in this batch:

0610098-01A	0610098-02A	0610098-04A
0610098-08A	0610098-10A	0610098-16A
0610098-17A	0610098-19A	0610098-20A
0610098-21A	0610098-26A	

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O - Referenced analyte value is > 4 times amount spiked
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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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42677** Instrument ID **VOA1** Method: **SW8260**

MBLK Sample ID: **VBLKW-061012** Units: **µg/L** Analysis Date: **10/12/06 11:48**

Client ID: Run ID: **VOA1_061012A** SeqNo: **969824** 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								

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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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42677** Instrument ID **VOA1** 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	*53.19*	5.0	*50*	0	*106*	*70-125*	0
Surr: 4-Bromofluorobenzene	*56.92*	5.0	*50*	0	*114*	*72.4-125*	0
Surr: Dibromofluoromethane	*59.56*	5.0	*50*	0	*119*	*71.2-125*	0
Surr: Toluene-d8	*58.16*	5.0	*50*	0	*116*	*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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42677** Instrument ID **VOA1** Method: **SW8260**

LCS Sample ID: **VLCSW-061012** Units: **µg/L** Analysis Date: **10/12/06 10:52**

Client ID: Run ID: **VOA1_061012A** SeqNo: **969821** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	48.98	5.0	50	0	98	79.6-120	0			
1,1,2,2-Tetrachloroethane	50.26	5.0	50	0	101	78.9-121	0			
1,1,2-Trichloroethane	50.65	5.0	50	0	101	80-120	0			
1,1-Dichloroethane	50.71	5.0	50	0	101	74.2-122	0			
1,1-Dichloroethene	48.07	5.0	50	0	96.1	75.8-122	0			
1,2,4-Trimethylbenzene	46.93	5.0	50	0	93.9	80-120	0			
1,2-Dibromoethane	47.76	5.0	50	0	95.5	80-120	0			
1,2-Dichloroethane	44.08	5.0	50	0	88.2	78.8-120	0			
1,2-Dichloropropane	50.41	5.0	50	0	101	80-120	0			
1,3,5-Trimethylbenzene	46.86	5.0	50	0	93.7	80-120	0			
2-Butanone	104.3	10	100	0	104	69.2-131	0			
2-Hexanone	94.57	10	100	0	94.6	59.1-135	0			
4-Isopropyltoluene	46.57	5.0	50	0	93.1	80-120	0			
4-Methyl-2-pentanone	98.65	10	100	0	98.7	71.6-124	0			
Acetone	103.2	10	100	0	103	60.1-141	0			
Benzene	48.66	5.0	50	0	97.3	80-120	0			
Bromodichloromethane	48.03	5.0	50	0	96.1	80-120	0			
Bromoform	46.99	5.0	50	0	94	78.1-120	0			
Bromomethane	46.7	5.0	50	0	93.4	52.8-147	0			
Carbon disulfide	105.2	10	100	0	105	78.8-120	0			
Carbon tetrachloride	45.72	5.0	50	0	91.4	76.8-120	0			
Chlorobenzene	46.75	5.0	50	0	93.5	80-120	0			
Chloroethane	53	5.0	50	0	106	74.2-120	0			
Chloroform	48.85	5.0	50	0	97.7	80-120	0			
Chloromethane	48.57	5.0	50	0	97.1	63.5-133	0			
cis-1,2-Dichloroethene	51.14	5.0	50	0	102	80-120	0			
cis-1,3-Dichloropropene	49.03	5.0	50	0	98.1	80-120	0			
Dibromochloromethane	46.26	5.0	50	0	92.5	80-120	0			
Ethylbenzene	46.23	5.0	50	0	92.5	80-120	0			
Isopropylbenzene	45.51	5.0	50	0	91	80-120	0			
m,p-Xylene	93.96	10	100	0	94	80-120	0			
Methyl tert-butyl ether	50.77	5.0	50	0	102	75.8-123	0			
Methylene chloride	53.13	10	50	0	106	74.7-120	0			
n-Butylbenzene	47.5	5.0	50	0	95	80-120	0			
n-Propylbenzene	48.02	5.0	50	0	96	80-120	0			
Naphthalene	49.41	5.0	50	0	98.8	71.4-124	0			
o-Xylene	47.32	5.0	50	0	94.6	80-120	0			
sec-Butylbenzene	46.47	5.0	50	0	92.9	80-120	0			
Styrene	47.61	5.0	50	0	95.2	80-120	0			
Tetrachloroethene	44.48	5.0	50	0	89	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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42677** Instrument ID **VOA1** Method: **SW8260**

Toluene	47.59	5.0	50	0	95.2	80-120	0
trans-1,2-Dichloroethene	50.34	5.0	50	0	101	75.9-122	0
trans-1,3-Dichloropropene	47.4	5.0	50	0	94.8	80-120	0
Trichloroethene	46.07	5.0	50	0	92.1	80-120	0
Vinyl chloride	50.8	2.0	50	0	102	76.2-121	0
Xylenes, Total	141.3	15	150	0	94.2	80-120	0
Surr: 1,2-Dichloroethane-d4	*52.65*	5.0	*50*	0	*105*	*70-125*	0
Surr: 4-Bromofluorobenzene	*56.98*	5.0	*50*	0	*114*	*72.4-125*	0
Surr: Dibromofluoromethane	*58.47*	5.0	*50*	0	*117*	*71.2-125*	0
Surr: Toluene-d8	*58.44*	5.0	*50*	0	*117*	*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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42677** Instrument ID **VOA1** Method: **SW8260**

MS Sample ID: **0610098-23AMS** Units: **µg/L** Analysis Date: **10/12/06 16:25**

Client ID: **MW-11A** Run ID: **VOA1_061012A** SeqNo: **969835** 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	44.24	5.0	50	0	88.5	79.6-120	0			
1,1,2,2-Tetrachloroethane	55.52	5.0	50	0	111	78.9-121	0			
1,1,2-Trichloroethane	55.37	5.0	50	0	111	80-120	0			
1,1-Dichloroethane	52.77	5.0	50	0	106	74.2-122	0			
1,1-Dichloroethene	44.29	5.0	50	0	88.6	75.8-122	0			
1,2,4-Trimethylbenzene	40.53	5.0	50	0	81.1	80-120	0			
1,2-Dibromoethane	51.33	5.0	50	0	103	80-120	0			
1,2-Dichloroethane	47.14	5.0	50	0	94.3	78.8-120	0			
1,2-Dichloropropane	53.04	5.0	50	0	106	80-120	0			
1,3,5-Trimethylbenzene	39.2	5.0	50	0	78.4	80-120	0			S
2-Butanone	109.8	10	100	0	110	69.2-131	0			
2-Hexanone	109	10	100	0	109	59.1-135	0			
4-Isopropyltoluene	34.77	5.0	50	0	69.5	80-120	0			S
4-Methyl-2-pentanone	116.1	10	100	0	116	71.6-124	0			
Acetone	97.56	10	100	0	97.6	60.1-141	0			
Benzene	49.93	5.0	50	0	99.9	80-120	0			
Bromodichloromethane	50.02	5.0	50	0	100	80-120	0			
Bromoform	49.13	5.0	50	0	98.3	78.1-120	0			
Bromomethane	43.64	5.0	50	0	87.3	52.8-147	0			
Carbon disulfide	96.52	10	100	0	96.5	78.8-120	0			
Carbon tetrachloride	38.07	5.0	50	0	76.1	76.8-120	0			S
Chlorobenzene	46.57	5.0	50	0	93.1	80-120	0			
Chloroethane	50.92	5.0	50	0	102	74.2-120	0			
Chloroform	51.05	5.0	50	0	102	80-120	0			
Chloromethane	48.98	5.0	50	0	98	63.5-133	0			
cis-1,2-Dichloroethene	54.24	5.0	50	0	108	80-120	0			
cis-1,3-Dichloropropene	51.67	5.0	50	0	103	80-120	0			
Dibromochloromethane	49.09	5.0	50	0	98.2	80-120	0			
Ethylbenzene	43.63	5.0	50	0	87.3	80-120	0			
Isopropylbenzene	38.14	5.0	50	0	76.3	80-120	0			S
m,p-Xylene	89.2	10	100	0	89.2	80-120	0			
Methyl tert-butyl ether	56.22	5.0	50	0	112	75.8-123	0			
Methylene chloride	55.64	10	50	0	111	74.7-120	0			
n-Butylbenzene	34.39	5.0	50	0	68.8	80-120	0			S
n-Propylbenzene	39.89	5.0	50	0	79.8	80-120	0			S
Naphthalene	40.03	5.0	50	0	80.1	71.4-124	0			
o-Xylene	47.31	5.0	50	0	94.6	80-120	0			
sec-Butylbenzene	34.8	5.0	50	0	69.6	80-120	0			S
Styrene	46.33	5.0	50	0	92.7	80-120	0			
Tetrachloroethene	37.52	5.0	50	0	75	80-120	0			S

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42677**	Instrument ID **VOA1**		Method: **SW8260**				
Toluene	47.47	5.0	50	0	94.9	80-120	0
trans-1,2-Dichloroethene	50.75	5.0	50	0	102	75.9-122	0
trans-1,3-Dichloropropene	51.15	5.0	50	0	102	80-120	0
Trichloroethene	44.81	5.0	50	0	89.6	80-120	0
Vinyl chloride	46.74	2.0	50	0	93.5	76.2-121	0
Xylenes, Total	136.5	15	150	0	91	80-120	0
Surr: 1,2-Dichloroethane-d4	*54.7*	5.0	*50*	0	*109*	*70-125*	0
Surr: 4-Bromofluorobenzene	*56.08*	5.0	*50*	0	*112*	*72.4-125*	0
Surr: Dibromofluoromethane	*58.98*	5.0	*50*	0	*118*	*71.2-125*	0
Surr: Toluene-d8	*58.09*	5.0	*50*	0	*116*	*75-125*	0

ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42677** Instrument ID **VOA1** Method: **SW8260**

MSD Sample ID: **0610098-23AMSD** Units: **µg/L** Analysis Date: **10/12/06 16:53**

Client ID: **MW-11A** Run ID: **VOA1_061012A** SeqNo: **969836** 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	40.18	5.0	50	0	80.4	79.6-120	44.24	9.61	20	
1,1,2,2-Tetrachloroethane	55.88	5.0	50	0	112	78.9-121	55.52	0.655	20	
1,1,2-Trichloroethane	54.5	5.0	50	0	109	80-120	55.37	1.58	20	
1,1-Dichloroethane	50.64	5.0	50	0	101	74.2-122	52.77	4.12	20	
1,1-Dichloroethene	39	5.0	50	0	78	75.8-122	44.29	12.7	20	
1,2,4-Trimethylbenzene	35.92	5.0	50	0	71.8	80-120	40.53	12	20	S
1,2-Dibromoethane	51.47	5.0	50	0	103	80-120	51.33	0.275	20	
1,2-Dichloroethane	46.99	5.0	50	0	94	78.8-120	47.14	0.328	20	
1,2-Dichloropropane	52.75	5.0	50	0	106	80-120	53.04	0.546	20	
1,3,5-Trimethylbenzene	34.45	5.0	50	0	68.9	80-120	39.2	12.9	20	S
2-Butanone	116.5	10	100	0	116	69.2-131	109.8	5.91	20	
2-Hexanone	114.1	10	100	0	114	59.1-135	109	4.54	20	
4-Isopropyltoluene	28.45	5.0	50	0	56.9	80-120	34.77	20	20	S
4-Methyl-2-pentanone	119.9	10	100	0	120	71.6-124	116.1	3.21	20	
Acetone	101.9	10	100	0	102	60.1-141	97.56	4.32	20	
Benzene	49.11	5.0	50	0	98.2	80-120	49.93	1.65	20	
Bromodichloromethane	50.79	5.0	50	0	102	80-120	50.02	1.54	20	
Bromoform	49.58	5.0	50	0	99.2	78.1-120	49.13	0.897	20	
Bromomethane	47.96	5.0	50	0	95.9	52.8-147	43.64	9.45	20	
Carbon disulfide	89.85	10	100	0	89.9	78.8-120	96.52	7.15	20	
Carbon tetrachloride	33.28	5.0	50	0	66.6	76.8-120	38.07	13.4	20	S
Chlorobenzene	46.17	5.0	50	0	92.3	80-120	46.57	0.869	20	
Chloroethane	50.1	5.0	50	0	100	74.2-120	50.92	1.63	20	
Chloroform	49.96	5.0	50	0	99.9	80-120	51.05	2.16	20	
Chloromethane	49.23	5.0	50	0	98.5	63.5-133	48.98	0.515	20	
cis-1,2-Dichloroethene	52.34	5.0	50	0	105	80-120	54.24	3.57	20	
cis-1,3-Dichloropropene	51.65	5.0	50	0	103	80-120	51.67	0.0418	20	
Dibromochloromethane	49.88	5.0	50	0	99.8	80-120	49.09	1.58	20	
Ethylbenzene	41.37	5.0	50	0	82.7	80-120	43.63	5.34	20	
Isopropylbenzene	34.31	5.0	50	0	68.6	80-120	38.14	10.6	20	S
m,p-Xylene	84.59	10	100	0	84.6	80-120	89.2	5.3	20	
Methyl tert-butyl ether	55.03	5.0	50	0	110	75.8-123	56.22	2.13	20	
Methylene chloride	55.79	10	50	0	112	74.7-120	55.64	0.268	20	
n-Butylbenzene	26.65	5.0	50	0	53.3	80-120	34.39	25.4	20	SR
n-Propylbenzene	34.05	5.0	50	0	68.1	80-120	39.89	15.8	20	S
Naphthalene	40.41	5.0	50	0	80.8	71.4-124	40.03	0.926	20	
o-Xylene	43.78	5.0	50	0	87.6	80-120	47.31	7.76	20	
sec-Butylbenzene	28.33	5.0	50	0	56.7	80-120	34.8	20.5	20	SR
Styrene	45.68	5.0	50	0	91.4	80-120	46.33	1.41	20	
Tetrachloroethene	34.06	5.0	50	0	68.1	80-120	37.52	9.67	20	S

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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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42677** Instrument ID **VOA1** Method: **SW8260**

Toluene	45.72	5.0	50	0	91.4	80-120	47.47	3.75	20
trans-1,2-Dichloroethene	48.2	5.0	50	0	96.4	75.9-122	50.75	5.17	20
trans-1,3-Dichloropropene	50.46	5.0	50	0	101	80-120	51.15	1.36	20
Trichloroethene	43.12	5.0	50	0	86.2	80-120	44.81	3.84	20
Vinyl chloride	44.76	2.0	50	0	89.5	76.2-121	46.74	4.34	20
Xylenes, Total	128.4	15	150	0	85.6	80-120	136.5	6.15	20
Surr: 1,2-Dichloroethane-d4	*52.87*	5.0	*50*	0	*106*	*70-125*	54.7	*3.41*	*20*
Surr: 4-Bromofluorobenzene	*55.6*	5.0	*50*	0	*111*	*72.4-125*	56.08	*0.863*	*20*
Surr: Dibromofluoromethane	*57.98*	5.0	*50*	0	*116*	*71.2-125*	58.98	*1.7*	*20*
Surr: Toluene-d8	*57.08*	5.0	*50*	0	*114*	*75-125*	58.09	*1.75*	*20*

The following samples were analyzed in this batch:

0610098-02A	0610098-18A	0610098-22A
0610098-23A	0610098-24A	0610098-25A
0610098-31A	0610098-32A	0610098-33A

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
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CLIENT: Navajo Refining Company
Work Order: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42474** Instrument ID **WetChem** Method: **E150.1**

LCS Sample ID: **WLCS-100606** Units: **pH units** Analysis Date: **10/06/06 0:00**

Client ID: Run ID: **WETCHEM_061006C** SeqNo: **965445** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6	0.10	6	0	100	90-110	0			

DUP Sample ID: **0610098-01D DUP** Units: **pH units** Analysis Date: **10/06/06 0:00**

Client ID: **MW-43** Run ID: **WETCHEM_061006C** SeqNo: **965465** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.74	0.10	0	0	0	0-0	6.73	0.148	20	H

The following samples were analyzed in this batch:

0610098-01D	0610098-03D	0610098-04D
0610098-05D	0610098-06D	0610098-07E
0610098-08D	0610098-09D	0610098-10C
0610098-16D	0610098-17E	0610098-18E
0610098-19E	0610098-20E	0610098-21E
0610098-22E	0610098-23E	0610098-24E
0610098-26E		

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42476** Instrument ID **WetChem** Method: **E150.1**

LCS Sample ID: **WLCSW1-100606** Units: **pH units** Analysis Date: **10/06/06 0:00**

Client ID: Run ID: **WETCHEM_061006D** SeqNo: **965474** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	5.97	0.10	6	0	99.5	90-110	0			

DUP Sample ID: **0610098-25E DUP** Units: **pH units** Analysis Date: **10/06/06 0:00**

Client ID: **MW-3** Run ID: **WETCHEM_061006D** SeqNo: **965478** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.86	0.10	0	0	0	0-0	6.83	0.438	20	

The following samples were analyzed in this batch: 0610098-02D 0610098-11D 0610098-25E

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42484** Instrument ID **Balance1** Method: **E160.1**

MBLK Sample ID: **WBLKW1** Units: **mg/L** Analysis Date: **10/06/06 0:00**
Client ID: Run ID: **BALANCE1_061006B** SeqNo: **965614** 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: **WLCSW1** Units: **mg/L** Analysis Date: **10/06/06 0:00**
Client ID: Run ID: **BALANCE1_061006B** SeqNo: **965615** 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	996	10	1000	0	99.6	85-115	0			

DUP Sample ID: **0610098-01D DUP** Units: **mg/L** Analysis Date: **10/06/06 0:00**
Client ID: **MW-43** Run ID: **BALANCE1_061006B** SeqNo: **965594** 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	2846	10	0	0	0	0-0	2827	0.67	20	

The following samples were analyzed in this batch:

0610098-01D	0610098-02D	0610098-03D
0610098-04D	0610098-05D	0610098-06D
0610098-07E	0610098-08D	0610098-09D
0610098-10C	0610098-11D	0610098-16D
0610098-17E	0610098-18E	0610098-19E
0610098-20E	0610098-21E	0610098-22E
0610098-23E	0610098-24E	

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42485** Instrument ID **Balance1** Method: **E160.1**

MBLK Sample ID: **WBLKW1** Units: **mg/L** Analysis Date: **10/06/06 0:00**

Client ID: Run ID: **BALANCE1_061006C** SeqNo: **965619** 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: **WLCSW1** Units: **mg/L** Analysis Date: **10/06/06 0:00**

Client ID: Run ID: **BALANCE1_061006C** SeqNo: **965620** 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	973	10	1000	0	97.3	85-115	0			

DUP Sample ID: **0610098-25E DUP** Units: **mg/L** Analysis Date: **10/06/06 0:00**

Client ID: **MW-3** Run ID: **BALANCE1_061006C** SeqNo: **965617** 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	5329	10	0	0	0	0-0	5378	0.915	20	

The following samples were analyzed in this batch: 0610098-25E 0610098-26E

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42590** Instrument ID **WetChem** Method: **E310.1**

MBLK Sample ID: **WBLKW1-101106** Units: **mg/L** Analysis Date: **10/11/06 0:00**
Client ID: Run ID: **WETCHEM_061011A** SeqNo: **967922** 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: **WLCSW1-101106** Units: **mg/L** Analysis Date: **10/11/06 0:00**
Client ID: Run ID: **WETCHEM_061011A** SeqNo: **967923** 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)	1012	5.0	1000	0	101	80-120	0			

DUP Sample ID: **0610088-01DDUP** Units: **mg/L** Analysis Date: **10/11/06 0:00**
Client ID: Run ID: **WETCHEM_061011A** SeqNo: **967937** 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)	490	5.0	0	0	0	0-0	485	1.03	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)	490	5.0	0	0	0	0-0	485	1.03	20	

The following samples were analyzed in this batch:

0610098-01D	0610098-02D	0610098-03D
0610098-04D	0610098-05D	0610098-06D
0610098-07E	0610098-08D	

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42622** Instrument ID **WetChem** Method: **E310.1**

MBLK Sample ID: **WBLKW1-101106** Units: **mg/L** Analysis Date: **10/11/06 0:00**
Client ID: Run ID: **WETCHEM_061011C** SeqNo: **968523** 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: **WLCSW1-101106** Units: **mg/L** Analysis Date: **10/11/06 0:00**
Client ID: Run ID: **WETCHEM_061011C** SeqNo: **968524** 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)	990.8	5.0	1000	0	99.1	80-120	0			

DUP Sample ID: **0610098-09DDUP** Units: **mg/L** Analysis Date: **10/11/06 0:00**
Client ID: **NP-9** Run ID: **WETCHEM_061011C** SeqNo: **968539** 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)	302.5	5.0	0	0	0	0-0	297.3	1.74	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)	302.5	5.0	0	0	0	0-0	297.3	1.74	20	

The following samples were analyzed in this batch:

0610098-09D	0610098-10C	0610098-11D
0610098-16D	0610098-17E	0610098-18E
0610098-19E	0610098-20E	0610098-21E
0610098-22E	0610098-23E	0610098-24E
0610098-25E	0610098-26E	

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42655** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW2-100906** Units: **mg/L** Analysis Date: **10/10/06 6:24**
Client ID: Run ID: **IC201_061009B** SeqNo: **969381** 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)	*5.757*	0.10	*5*	0	*115*	*85-115*		0		*S*

LCS Sample ID: **WLCSW2-364-2-9/** Units: **mg/L** Analysis Date: **10/10/06 6:46**
Client ID: Run ID: **IC201_061009B** SeqNo: **969382** 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)	8.368	0.10	8	0	105	90-110		0		
Surr: Selenate (surr)	*4.887*	0.10	*5*	0	*97.7*	*85-115*		0		

MS Sample ID: **0610137-01AMS** Units: **mg/L** Analysis Date: **10/10/06 19:57**
Client ID: Run ID: **IC201_061009B** SeqNo: **969373** 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)	19.37	0.50	20	0	96.8	80-120		0		
Surr: Selenate (surr)	*24.38*	0.50	*25*	0	*97.5*	*80-120*		0		

MSD Sample ID: **0610137-01AMSD** Units: **mg/L** Analysis Date: **10/10/06 20:19**
Client ID: Run ID: **IC201_061009B** SeqNo: **969374** 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)	19.43	0.50	20	0	97.2	80-120	19.37	0.335	20	
Surr: Selenate (surr)	*24.53*	0.50	*25*	0	*98.1*	*80-120*	24.38	*0.589*	*20*	

DUP Sample ID: **0610098-06FDUP** Units: **mg/L** Analysis Date: **10/10/06 12:14**
Client ID: **MW-53** Run ID: **IC201_061009B** SeqNo: **969364** 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)	0.326	0.50	0	0	0	0-0	0.327	0	20	J
Surr: Selenate (surr)	*24.45*	0.50	*25*	0	*97.8*	*80-120*	24.47	*0.0736*	*20*	

DUP Sample ID: **0610137-01ADUP** Units: **mg/L** Analysis Date: **10/10/06 19:35**
Client ID: Run ID: **IC201_061009B** SeqNo: **969372** 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)	ND	0.50	0	0	0	0-0	0	0	20	
Surr: Selenate (surr)	*23.56*	0.50	*25*	0	*94.3*	*80-120*	24.58	*4.25*	*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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42655** Instrument ID **IC201** Method: **E300**

The following samples were analyzed in this batch:

0610098-01F	0610098-02F	0610098-03F
0610098-04F	0610098-05F	0610098-06F
0610098-07G	0610098-08F	0610098-09F
0610098-10E	0610098-11F	0610098-16F
0610098-17G	0610098-18G	0610098-19G
0610098-20G	0610098-21G	0610098-22G
0610098-23G		

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42720** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW3** Units: **mg/L** Analysis Date: **10/12/06 11:33**
Client ID: Run ID: **IC201_061011A** SeqNo: **970747** 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)	*5.329*	0.10	*5*	0	*107*	*85-115*	0			

LCS Sample ID: **WLCSW3-364-2-9/** Units: **mg/L** Analysis Date: **10/11/06 14:22**
Client ID: Run ID: **IC201_061011A** SeqNo: **970718** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.43	0.50	20	0	102	90-110	0			
Fluoride	4.241	0.10	4	0	106	90-110	0			
Sulfate	20.31	1.0	20	0	102	90-110	0			
Surr: Selenate (surr)	*5.081*	0.10	*5*	0	*102*	*85-115*	0			

MS Sample ID: **0610167-01DMS** Units: **mg/L** Analysis Date: **10/11/06 17:17**
Client ID: Run ID: **IC201_061011A** SeqNo: **970725** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	24.44	0.50	10	14.43	100	80-120	0			
Fluoride	2.542	0.10	2	0.312	112	80-120	0			
Sulfate	206.4	1.0	10	200.1	63.1	80-120	0			SEO
Surr: Selenate (surr)	*4.908*	0.10	*5*	0	*98.2*	*80-120*	0			

MSD Sample ID: **0610167-01DMSD** Units: **mg/L** Analysis Date: **10/11/06 17:39**
Client ID: Run ID: **IC201_061011A** SeqNo: **970726** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	24.5	0.50	10	14.43	101	80-120	24.44	0.253	20	
Fluoride	2.575	0.10	2	0.312	113	80-120	2.542	1.29	20	
Sulfate	206.6	1.0	10	200.1	64.7	80-120	206.4	0.076	20	SEO
Surr: Selenate (surr)	*4.891*	0.10	*5*	0	*97.8*	*80-120*	4.908	*0.347*	*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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42720** Instrument ID **IC201** Method: **E300**

DUP Sample ID: **0610167-01DDUP** Units: **mg/L** Analysis Date: **10/11/06 16:55**

Client ID: Run ID: **IC201_061011A** SeqNo: **970724** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	14.46	0.50	0	0	0	0-0	14.43	0.228	20	
Fluoride	0.303	0.10	0	0	0	0-0	0.312	2.93	20	
Sulfate	200.6	1.0	0	0	0	0-0	200.1	0.22	20	E
Surr: Selenate (surr)	*4.885*	0.10	*5*	0	*97.7*	*80-120*	4.893	*0.164*	*20*	

DUP Sample ID: **0610167-01DDUP** Units: **mg/L** Analysis Date: **10/11/06 20:56**

Client ID: Run ID: **IC201_061011A** SeqNo: **970733** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	14.12	5.0	0	0	0	0-0	14.17	0.325	20	
Fluoride	ND	1.0	0	0	0	0-0	0.296	0	20	
Sulfate	203	10	0	0	0	0-0	202.8	0.117	20	
Surr: Selenate (surr)	*49.55*	1.0	*50*	0	*99.1*	*80-120*	49.39	*0.323*	*20*	

The following samples were analyzed in this batch:

0610098-01E	0610098-04E	0610098-05E
0610098-06E	0610098-08E	0610098-09E
0610098-10D	0610098-11E	0610098-16E
0610098-17F	0610098-19F	0610098-20F

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42853** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW2-10/13/06** Units: **mg/L** Analysis Date: **10/13/06 13:37**
Client ID: Run ID: **IC201_061013A** SeqNo: **973436** 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)	*5.418*	0.10	*5*	0	*108*	*85-115*		0		

LCS Sample ID: **WLCSW2-364-5-2/** Units: **mg/L** Analysis Date: **10/13/06 13:59**
Client ID: Run ID: **IC201_061013A** SeqNo: **973437** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.6	0.50	20	0	103	90-110		0		
Fluoride	4.318	0.10	4	0	108	90-110		0		
Sulfate	20.47	1.0	20	0	102	90-110		0		
Surr: Selenate (surr)	*4.965*	0.10	*5*	0	*99.3*	*85-115*		0		

MS Sample ID: **0610196-15DMS** Units: **mg/L** Analysis Date: **10/13/06 19:27**
Client ID: Run ID: **IC201_061013A** SeqNo: **973450** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	188.5	0.50	10	182.5	59.2	80-120		0		SEO
Fluoride	2.996	0.10	2	0.688	115	80-120		0		
Sulfate	67.79	1.0	10	59.43	83.6	80-120		0		EO
Surr: Selenate (surr)	*4.815*	0.10	*5*	0	*96.3*	*80-120*		0		

MSD Sample ID: **0610196-15DMSD** Units: **mg/L** Analysis Date: **10/13/06 19:49**
Client ID: Run ID: **IC201_061013A** SeqNo: **973451** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	188.7	0.50	10	182.5	61.4	80-120	188.5	0.115	20	SEO
Fluoride	3.015	0.10	2	0.688	116	80-120	2.996	0.632	20	
Sulfate	67.71	1.0	10	59.43	82.8	80-120	67.79	0.121	20	EO
Surr: Selenate (surr)	*4.802*	0.10	*5*	0	*96*	*80-120*	4.815	*0.27*	*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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42853** Instrument ID **IC201** Method: **E300**

DUP Sample ID: **0610196-15DDUP** Units: **mg/L** Analysis Date: **10/13/06 17:38**
Client ID: Run ID: **IC201_061013A** SeqNo: **973447** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	182.2	0.50	0	0	0	0-0	182.5	0.161	20	E
Fluoride	0.69	0.10	0	0	0	0-0	0.688	0.29	20	
Sulfate	59.39	1.0	0	0	0	0-0	59.43	0.0656	20	E
Surr: Selenate (surr)	*4.78*	0.10	*5*	0	*95.6*	*80-120*	4.793	*0.272*	*20*	

DUP Sample ID: **0610196-15DDUP** Units: **mg/L** Analysis Date: **10/14/06 0:56**
Client ID: Run ID: **IC201_061013A** SeqNo: **973463** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	183.5	5.0	0	0	0	0-0	183.1	0.225	20	
Fluoride	0.699	1.0	0	0	0	0-0	0.696	0	20	J
Sulfate	58.59	10	0	0	0	0-0	58.4	0.332	20	
Surr: Selenate (surr)	*49.13*	1.0	*50*	0	*98.3*	*80-120*	49.12	*0.00407*	*20*	

The following samples were analyzed in this batch:

0610098-16E	0610098-17F	0610098-18F
0610098-19F	0610098-20F	

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42957** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW3-101306** Units: **mg/L** Analysis Date: **10/14/06 8:14**
Client ID: Run ID: **IC201_061013B** SeqNo: **976213** 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)	*5.756*	0.10	*5*	0	*115*	*85-115*	0			*S*

LCS Sample ID: **WLCSW3-364-5-2/** Units: **mg/L** Analysis Date: **10/14/06 8:36**
Client ID: Run ID: **IC201_061013B** SeqNo: **976214** 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)	8.476	0.10	8	0	106	90-110	0			
Surr: Selenate (surr)	*4.976*	0.10	*5*	0	*99.5*	*85-115*	0			

MS Sample ID: **0610098-25GMS** Units: **mg/L** Analysis Date: **10/14/06 11:10**
Client ID: **MW-3** Run ID: **IC201_061013B** SeqNo: **976206** 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)	15.68	0.50	20	0	78.4	80-120	0			S
Surr: Selenate (surr)	*24.13*	0.50	*25*	0	*96.5*	*80-120*	0			

MSD Sample ID: **0610098-25GMSD** Units: **mg/L** Analysis Date: **10/14/06 11:31**
Client ID: **MW-3** Run ID: **IC201_061013B** SeqNo: **976207** 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)	15.92	0.50	20	0	79.6	80-120	15.68	1.54	20	S
Surr: Selenate (surr)	*24.39*	0.50	*25*	0	*97.6*	*80-120*	24.13	*1.07*	*20*	

DUP Sample ID: **0610098-25GDUP** Units: **mg/L** Analysis Date: **10/14/06 10:48**
Client ID: **MW-3** Run ID: **IC201_061013B** SeqNo: **976205** 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)	ND	0.50	0	0	0	0-0	0	0	20	
Surr: Selenate (surr)	*24.15*	0.50	*25*	0	*96.6*	*80-120*	24.37	*0.89*	*20*	

The following samples were analyzed in this batch: 0610098-24G 0610098-25G 0610098-26G

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42966** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW4-101406** Units: **mg/L** Analysis Date: **10/15/06 13:27**
Client ID: Run ID: **IC201_061014A** SeqNo: **976447** 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)	*5.051*	0.10	*5*	0	*101*	*85-115*		0		

LCS Sample ID: **WLCSW4-364-5-2/** Units: **mg/L** Analysis Date: **10/14/06 14:27**
Client ID: Run ID: **IC201_061014A** SeqNo: **976394** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.55	0.50	20	0	103	90-110		0		
Fluoride	4.287	0.10	4	0	107	90-110		0		
Sulfate	20.37	1.0	20	0	102	90-110		0		
Surr: Selenate (surr)	*4.946*	0.10	*5*	0	*98.9*	*85-115*		0		

MS Sample ID: **0610240-03FMS** Units: **mg/L** Analysis Date: **10/14/06 20:17**
Client ID: Run ID: **IC201_061014A** SeqNo: **976408** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	642.4	0.50	10	643.6	-12.8	80-120		0		SEO
Fluoride	3.361	0.10	2	1	118	80-120		0		
Sulfate	9.875	1.0	10	0.146	97.3	80-120		0		
Surr: Selenate (surr)	*4.787*	0.10	*5*	0	*95.7*	*80-120*		0		

MSD Sample ID: **0610240-03FMSD** Units: **mg/L** Analysis Date: **10/14/06 20:39**
Client ID: Run ID: **IC201_061014A** SeqNo: **976409** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	642	0.50	10	643.6	-16.2	80-120	642.4	0.0536	20	SEO
Fluoride	3.393	0.10	2	1	120	80-120	3.361	0.948	20	
Sulfate	9.876	1.0	10	0.146	97.3	80-120	9.875	0.0101	20	
Surr: Selenate (surr)	*4.788*	0.10	*5*	0	*95.8*	*80-120*	4.787	*0.0209*	*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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R42966** Instrument ID **IC201** Method: **E300**

DUP Sample ID: **0610240-03FDUP** Units: **mg/L** Analysis Date: **10/14/06 15:32**

Client ID: Run ID: **IC201_061014A** SeqNo: **976397** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	640.7	0.50	0	0	0	0-0	643.6	0.46	20	E
Fluoride	0.99	0.10	0	0	0	0-0	1	1.01	20	
Sulfate	ND	1.0	0	0	0	0-0	0.146	0	20	
Surr: Selenate (surr)	*4.75*	0.10	*5*	0	*95*	*80-120*	4.769	*0.399*	*20*	

DUP Sample ID: **0610240-03FDUP** Units: **mg/L** Analysis Date: **10/15/06 2:52**

Client ID: Run ID: **IC201_061014A** SeqNo: **976454** Prep Date: DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	639.6	10	0	0	0	0-0	641.5	0.295	20	
Fluoride	0.936	2.0	0	0	0	0-0	0.936	0	20	J
Sulfate	ND	20	0	0	0	0-0	0	0	20	
Surr: Selenate (surr)	*96.18*	2.0	*100*	0	*96.2*	*80-120*	96.04	*0.146*	*20*	

The following samples were analyzed in this batch:

0610098-02E	0610098-03E	0610098-07F
0610098-11E	0610098-21F	0610098-22F
0610098-23F	0610098-24F	0610098-25F
0610098-26F		

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R43004** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW1-102006** Units: **mg/L** Analysis Date: **10/20/06 23:35**
Client ID: Run ID: **IC201_061020A** SeqNo: **977338** 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								
Surr: Selenate (surr)	*4.942*	0.10	*5*	0	*98.8*	*85-115*		0		

LCS Sample ID: **WLCSW1-364-12-** Units: **mg/L** Analysis Date: **10/20/06 23:57**
Client ID: Run ID: **IC201_061020A** SeqNo: **977339** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.17	0.50	20	0	101	90-110		0		
Surr: Selenate (surr)	*4.991*	0.10	*5*	0	*99.8*	*85-115*		0		

MS Sample ID: **0610344-03DMS** Units: **mg/L** Analysis Date: **10/21/06 9:04**
Client ID: Run ID: **IC201_061020A** SeqNo: **977374** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	70.82	0.50	10	62.27	85.6	80-120		0		EO
Surr: Selenate (surr)	*4.709*	0.10	*5*	0	*94.2*	*80-120*		0		

MSD Sample ID: **0610344-03DMSD** Units: **mg/L** Analysis Date: **10/21/06 9:26**
Client ID: Run ID: **IC201_061020A** SeqNo: **977375** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	70.71	0.50	10	62.27	84.4	80-120	70.82	0.163	20	EO
Surr: Selenate (surr)	*4.687*	0.10	*5*	0	*93.7*	*80-120*	4.709	*0.468*	*20*	

DUP Sample ID: **0610344-03DDUP** Units: **mg/L** Analysis Date: **10/21/06 1:46**
Client ID: Run ID: **IC201_061020A** SeqNo: **977344** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	62.26	0.50	0	0	0	0-0	62.27	0.00964	20	E
Surr: Selenate (surr)	*4.701*	0.10	*5*	0	*94*	*80-120*	4.725	*0.509*	*20*	

DUP Sample ID: **0610344-03DDUP** Units: **mg/L** Analysis Date: **10/21/06 10:10**
Client ID: Run ID: **IC201_061020A** SeqNo: **977345** Prep Date: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	62.94	2.5	0	0	0	0-0	63.08	0.227	20	
Surr: Selenate (surr)	*23.51*	0.50	*25*	0	*94*	*80-120*	23.81	*1.27*	*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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R43004** Instrument ID **IC201** Method: **E300**

The following samples were analyzed in this batch: 0610098-11E

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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R43031** Instrument ID **IC201** Method: **E300**

MBLK Sample ID: **WBLKW5-10/15/06** Units: **mg/L** Analysis Date: **10/15/06 16:01**
Client ID: Run ID: **IC201_061015A** SeqNo: **977836** 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								
Sulfate	ND	1.0								
Surr: Selenate (surr)	*5.446*	0.10	*5*	0	*109*	*85-115*	0			

LCS Sample ID: **WLCSW5-101506/** Units: **mg/L** Analysis Date: **10/15/06 16:22**
Client ID: Run ID: **IC201_061015A** SeqNo: **977837** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.62	0.50	20	0	103	90-110	0			
Sulfate	20.49	1.0	20	0	102	90-110	0			
Surr: Selenate (surr)	*4.975*	0.10	*5*	0	*99.5*	*85-115*	0			

MS Sample ID: **0610199-03EMS** Units: **mg/L** Analysis Date: **10/15/06 20:02**
Client ID: Run ID: **IC201_061015A** SeqNo: **977847** Prep Date: DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	363.2	1.0	20	354.4	43.9	80-120	0			SEO
Sulfate	223.5	2.0	20	209.7	69	80-120	0			SEO
Surr: Selenate (surr)	*9.953*	0.20	*10*	0	*99.5*	*80-120*	0			

MSD Sample ID: **0610199-03EMSD** Units: **mg/L** Analysis Date: **10/15/06 21:51**
Client ID: Run ID: **IC201_061015A** SeqNo: **977850** Prep Date: DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	363	1.0	20	354.4	42.9	80-120	363.2	0.0548	20	SEO
Sulfate	223.4	2.0	20	209.7	68.6	80-120	223.5	0.0282	20	SEO
Surr: Selenate (surr)	*9.963*	0.20	*10*	0	*99.6*	*80-120*	9.953	*0.1*	*20*	

DUP Sample ID: **0610199-03EDUP** Units: **mg/L** Analysis Date: **10/15/06 19:40**
Client ID: Run ID: **IC201_061015A** SeqNo: **977846** Prep Date: DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	353.7	1.0	0	0	0	0-0	354.4	0.212	20	E
Sulfate	209.8	2.0	0	0	0	0-0	209.7	0.0796	20	E
Surr: Selenate (surr)	*9.756*	0.20	*10*	0	*97.6*	*80-120*	9.721	*0.359*	*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: 0610098
Project: Navajo Artesia

QC BATCH REPORT

Batch ID: **R43031** Instrument ID **IC201** Method: **E300**

DUP Sample ID: **0610199-03EDUP** Units: **mg/L** Analysis Date: **10/16/06 13:55**

Client ID: Run ID: **IC201_061015A** SeqNo: **977864** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	338.1	5.0	0	0	0	0-0	337.5	0.183	20	
Sulfate	200.5	10	0	0	0	0-0	200.4	0.0105	20	
Surr: Selenate (surr)	*48.77*	*1.0*	*50*	*0*	*97.5*	*80-120*	*48.66*	*0.23*	*20*	

The following samples were analyzed in this batch: 0610098-08E 0610098-09E 0610098-10D

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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Page 1 of 3

Holland, Michigan 49424
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(Fax) 616.399.6185

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e-Lab Project Manager:

e-Lab Work Order #: 0610097

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	NAVAJO ARTESIA	A	VOC 8260 Select
Work Order		Project Number		B	GRO
Company Name	NAVAJO Refining Co	Bill To Company	Soone	C	DRO
Send Report To	Darrell Moore	Invoice Attn		D	Anions (Cl, F, SO4)
Address	P.O. Box 159	Address		E	Anions (NO2, NO3)
				F	Total Metal 6020
City/State/Zip	ARTESIA, NM 88211	City/State/Zip		G	ALK, TDS, PH
Phone	(505) 748-3311	Phone		H	
Fax	(505) 748-5421	Fax		I	
e-Mail Address		e-Mail Address		J	

o.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-43	10/2/06	1417	H_2O	1,2,3,8	9	✓	✓	✓	✓	✓	✓	✓				
2	MW-23	"	1515			6	✓		✓	✓	✓	✓	✓				
3	MW-44	10/2/06	1707			9	✓		✓	✓	✓	✓	✓				
4	MW-28	10/3/06	0852			9	✓		✓	✓	✓	✓	✓				
5	MCH-32		1050			9	✓		✓	✓	✓	✓	✓				
6	MW-53		1100			9	✓		✓	✓	✓	✓	✓				
7	MW-18		1304			12	✓	✓	✓	✓	✓	✓	✓				
8	MW-29		1503			9	✓		✓	✓	✓	✓	✓				
9	MP-9		1610			9	✓		✓	✓	✓	✓	✓				
0	RW-1	10/3/06	1651	H_2O	1,2,3,8	7	✓		✓	✓	✓	✓	✓				

Sampler(s) Please Print & Sign

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

	Date:	Time:		
Relinquished by:	10/3/06	1600	Received by:	
Relinquished by:	Date:	Time:	Received by (Laboratory):	10.6.06 0920
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Notes:

e-Lab Analytical Cooler ID	Trip Blank Number

QC Package: (Check One Box Below)
☐ Level II Std QC ☐ TRRP Checklist
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 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.

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e-Lab Project Manager: | e-Lab Work Order #: 0610098

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	NAVAJO ARTESIA	A	VOC 8260 SELECT
Work Order		Project Number		B	GRO
Company Name	NAVAJO REFINING CO	Bill To Company	Same	C	DRO
Send Report To	Darrell Moore	Invoice Attn		D	Anions (Cl, F, SO4)
Address	P.O. Box 159	Address		E	Anions (NO2, NO3)
				F	Total Metals 6020
City/State/Zip	ARTESIA, NM 88211	City/State/Zip		G	ALK, TDS, pH
Phone	(505) 748-3311	Phone		H	
Fax	(505) 746-5421	Fax		I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	NP-5	10/3/06	1737	H_2O	1,2,3,8	9	✓		✓	✓	✓	✓	✓				
2	Field Blank	10/2/06	1608	H_2O	1,8	3	✓										
3	Equipment Blank	10/2/06	1603		1,8	3	✓										
4	Equipment Blank	10/3/06	1623		1,8	3	✓										
5	Field Blank	10/3/06	1628		1,8	3	✓										
6	MW-1R	10/4/06	1331		1,2,3,8	9	✓		✓	✓	✓	✓	✓				
7	MW-15	10/4/06	1429		1,2,3,8	12	✓	✓	✓	✓	✓	✓	✓				
8	OCD-1	10/4/06	1607			12	✓	✓	✓	✓	✓	✓	✓				
9	OCD-2R	10/5/06	0842			12	✓	✓	✓	✓	✓	✓	✓				
10	OCD-3	10/5/06	0915	H_2O	1,2,3,8	12	✓	✓	✓	✓	✓	✓	✓				

Sampler(s) Please Print & Sign

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by: [signature] Date: 10/5/06 Time: 1600 Received by:

Relinquished by: Date: Time: Received by (Laboratory): 10646 | CHD

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes:

e-Lab Analytical Cooler ID	Trip Blank Number

QC Package: (Check One Box Below)
☐ Level II Std QC ☐ TRRP Checklist
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 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.

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Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

e-Lab Project Manager:

e-Lab Work Order #: 0610098

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	NAVAJO ARTESIA	A	VOC 8260 Select
Work Order		Project Number		B	GRO
Company Name	NAVAJO Refining Co	Bill To Company	Same	C	DRO
Send Report To	Darrell Moore	Invoice Attn		D	Anions (Cl, F, SO4)
Address	P.O. Box 159	Address		E	Anions (NO3/NO2)
City/State/Zip	ARTESIA NM 88211	City/State/Zip		F	Total Metals 6020
Phone	(505) 748-3311	Phone		G	ALK, TDS, PH
Fax	(505) 746-5421	Fax		H	
e-Mail Address		e-Mail Address		I	
				J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	OCA-4	10/5/06	0936	H_2O	1,2,3,8	12	✓	✓	✓	✓	✓	✓	✓				
2	OCA-5		1035			12	✓	✓	✓	✓	✓	✓	✓				
3	MW-11A		1136			12	✓	✓	✓	✓	✓	✓	✓				
4	MW-6A		1315			12	✓	✓	✓	✓	✓	✓	✓				
5	MW-3		1412			12	✓	✓	✓	✓	✓	✓	✓				
6	Duplicate	10/4/06	—			12	✓	✓	✓	✓	✓	✓	✓				
7	Trip Blanks (2) 6 VOA	—	—	H_2O	1,8	~~12~~ 6	✓										
8																	
9																	
10																	

Sampler(s) Please Print & Sign

Shipment Method

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

	Date:	Time:	Received by:	Notes:
Relinquished by:				
Relinquished by:	Date:	Time:	Received by (Laboratory): 10/6/06 0920	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

e-Lab Analytical Cooler ID	Trip Blank Number

QC Package: (Check One Box Below)
☐ Level II Std QC ☐ TRRP Checklist
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 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.
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e-Lab Analytical, Inc.

Sample Receipt Checklist

Client Name NAVAJO REFINING | Date/Time Received: 10/6/2006 9:20:00 AM

Work Order Number 0610098 | Received by: RSZ

Checklist completed by [signature] Signature 10/6/06 Date | Reviewed by [initials] Initials 10/9/06 Date

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):	2.3, 3.9, 2.0, 2.1 C	002	
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: MW-23/ MW-44-received extra bottled for Cyanide. Split off aliquot from unpreseved container for NO2/NO3 parameters. EB and FB received for 10/4 and 10/5 not on COC-Logged in w/o analyses. TB 0242 logged in with soil samples

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

0610078

RIGIN ID: ROWA (505) 748-3311
ONNIE CONNER
AVAJO REFINING COMPANY
01 E. MAIN STREET

ESIA, NM 88210
ED STATES US

Ship Date: 050CT06
ActWgt: 68.0 LB MAN
System#: 185697/CAFE2
Account: S 113684186

AMPLE RECEIVING
LAB
0450 STANCLIFF

OUSTON, TX 77099

(281) 530-5651

FedEx
Express

CLS022386/16/19

Dept: ENVIRONMENTAL

Delivery Address Barcode

214

BILL SENDER

EX. PRIORITY OVERNIGHT FRI

237371 050CT06

Deliver By:
060CT06
A2

9046 7990 1089 FORM 0201

IAH

IGIN ID: ROWA (505) 748-3311
NNIE CONNER
VAJO REFINING COMPANY
1 E. MAIN STREET

ESIA, NM 88210
ITED STATES US

Ship Date: 050CT06
ActWgt: 72.0 LB MAN
System#: 185697/CAFE2308
Account: S 113684186

AMPLE RECEIVING
LAB
0450 STANCLIFF

OUSTON, TX 77099

(281) 530-5656

FedEx
Express

CLS022386/16/19

Dept: ENVIRONMENTAL

Delivery Address Barcode

BILL SENDER

1958

EX. PRIORITY OVERNIGHT FRI

237371 050CT06

Deliver By:
060CT06
A2

9046 7990 1137 FORM 0201

IA

7099 -TX-US

XH GQA

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

ARTESIA, NM 88210
UNITED STATES US

Ship Date: 050CT06
ActWgt: 70.0 LB MAN
System#: 185697/CAFE2308
Account: S 113684186

TO SAMPLE RECEIVING
ELAB
10450 STANCLIFF

HOUSTON, TX 77099

(281) 530-5656

FedEx
Express

CLS022386/16/19

REF:
PO:
Inv:

Dept: ENVIRONMENTAL

CW36

Delivery Address Barcode

BILL SENDER

FedEx. PRIORITY OVERNIGHT FRI

emp: 237371 050CT06

Deliver By:
060CT06
A2

TRK# 9046 7990 1104 FORM 0201

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

ARTESIA, NM 88210
UNITED STATES US

Ship Date: 050CT06
ActWgt: 63.0 LB MAN
System#: 185697/CAFE2308
Account: S 113684186

TO SAMPLE RECEIVING
ELAB
10450 STANCLIFF

HOUSTON, TX 77099

(281) 530-5656

FedEx
Express

CLS022386/16/19

REF:
PO:
Inv:

Dept: ENVIRONMENTAL

Delivery Address Barcode

01 0429

BILL SENDER

FedEx PRIORITY OVERNIGHT FRI

Deliver By:
060CT06

FedEx. PRIORITY OVERNIGHT

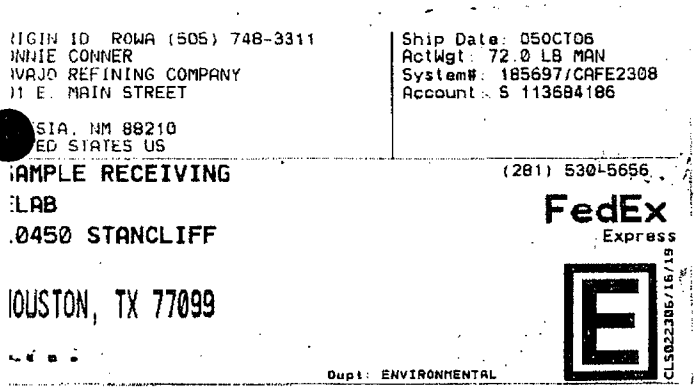
TRK# 9046 7990 1148 FORM 0201

IAH

77099 -TX-US

SF JGQA

Part # 156148-434 NAR 0-05



IGIN ID: ROWA (505) 748-3311
NNIE CONNER
VAJO REFINING COMPANY
1 E. MAIN STREET

SIA, NM 88210
ED STATES US

Ship Date: 050CT06
ActWgt: 72.0 LB MAN
System#: 185697/CAFE2308
Account: S 113684186

AMPLE RECEIVING
LAB
.0450 STANCLIFF

OUSTON, TX 77099

(281) 530-5656

FedEx Express

Dept: ENVIRONMENTAL

CLS0223B6/16/19

Delivery Address Barcode

2049

BILL SENDER

edEx. PRIORITY OVERNIGHT FRI

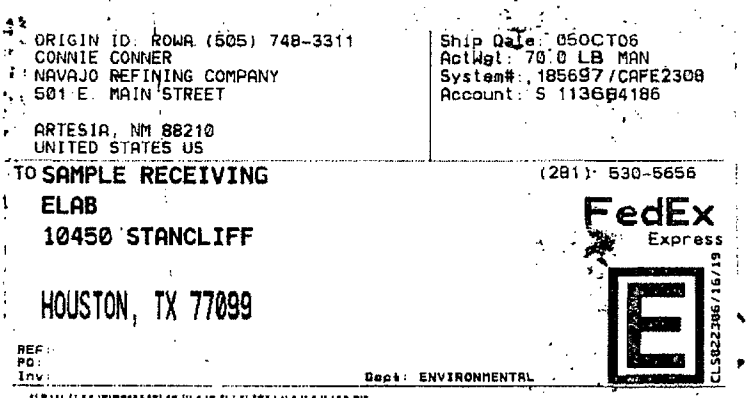
: 237371 050CT06

Deliver By:
060CT06
A2

9046 7990 1126

FORM

7099 -TX-US



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

ARTESIA, NM 88210
UNITED STATES US

Ship Date: 050CT06
ActWgt: 70.0 LB MAN
System#: 185697/CAFE2308
Account: S 113684186

TO SAMPLE RECEIVING
ELAB
10450 STANCLIFF

HOUSTON, TX 77099

(281) 530-5656

FedEx Express

REF:
PO:
Inv:

Dept: ENVIRONMENTAL

CLS0223B6/16/19

Delivery Address Barcode

1090

BILL SENDER

FedEx. PRIORITY OVERNIGHT FRI

Temp: 237371 050CT06

Deliver By:
060CT06
A2

TRK# 9046 7990 1115

FORM 0201

IAH

XH JGQA

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

ARTESIA, NM 88210
UNITED STATES US

Ship Date: 050CT06
ActWgt: 75.0 LB MAN
System#: 185697/CAFE2308
Account: S 113684186

TO SAMPLE RECEIVING
ELAB
10450 STANCLIFF

HOUSTON, TX 77099

(281) 530-5656

FedEx Express

REF:
PO:
Inv:

Dept: ENVIRONMENTAL

CLS0223B6/

Delivery Address Barcode

0871

BILL SENDER

FedEx. PRIORITY OVERNIGHT FRI

Temp: 237371 050CT06

Deliver By:
060CT06
A2

TRK 9046 7990 1090

FORM 0201

IAH

77099 TX-US

XH JGQA

0610048

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

CUSTODY SEAL
Date: 10/5/06 Time: 15:53
Name: Barbara Mayrhofer
Company: SESI
Seal Broken By:
Date: 10-6-06

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

CUSTODY SEAL
Date: 10/5/06 Time: 15:52
Name: Barbara Mayrhofer
Company: SESI
Seal Broken By:
Date: 10-6-06

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

CUSTODY SEAL
Date: 10/5/06 Time: 15:55
Name: Barbara Mayrhofer
Company: SESI
Seal Broken By:
Date: 10-6-06

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

CUSTODY SEAL
Date: 10/5/06 Time: 15:51
Name: Barbara Mayrhofer
Company: SESI
Seal Broken By:
Date: 10-6-06

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

CUSTODY SEAL
Date: 10/5/06 Time: 15:57
Name: Barbara Mayrhofer
Company: SESI
Seal Broken By:
Date: 10-6-06

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

CUSTODY SEAL
Name: Barbara Mayrhofer
Seal Broken By:
Date: