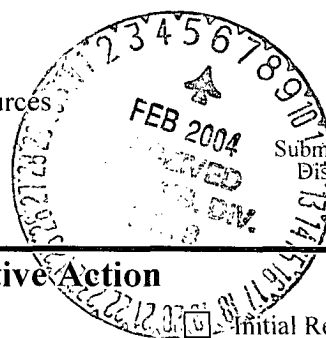


30-045-29002

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

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



Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

San Juan Refining

OPERATOR

Initial Report ☐ X Final Report

Name of Company: Giant Refining Company	Contact: Randy Schmalz
Address: # 50 CR. 4990, Bloomfield, New Mexico	Telephone No. (505) 632-4171
Facility Name: Giant-San Juan Refinery Bloomfield	Facility Type: Oil Refinery C1955 I WD
Surface Owner: Giant Industries, Inc.	Mineral Owner
Lease No.	

LOCATION OF RELEASE

Unit Letter NW/4SW/4	Section 27	Township 29 North	Range 11 west	Feet from the 2442	North/South Line south	Feet from the 1250	East/West Line east	County: San Juan
-------------------------	---------------	----------------------	---------------------	-----------------------	---------------------------	-----------------------	------------------------	---------------------

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release: spill	Volume of Release: 1000 gallons	Volume Recovered: 800 gallons
Source of Release: Injection well used water	Date and Hour of Occurrence: 1/30/2004 5:00 am	Date and Hour of Discovery: 1/30/2004 5:00 am
Was Immediate Notice Given? X Yes ☐ No ☐ Not Required	If YES, To Whom? Denny Foust, OCD Aztec	
By Whom? James R. Schmalz	Date and Hour: 1/30/2004 8:30 am	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully:

Describe Cause of Problem and Remedial Action Taken: Pump on injection well experienced a mechanical failure, causing the pump head and three pistons to break. This breakage resulted in the release of 1000 gallons of used water.

Describe Area Affected and Cleanup Action Taken: The used water ran out the pump house and onto the ground. The immediate actions taken were to dike up the area and to recover all the liquid possible by using a vacuum truck. Leave soil in place today. N&T 2/10/04
Attached analysis shows water to be non-hazardous.

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

Signature:	OIL CONSERVATION DIVISION	
Printed Name: James R. Schmalz	Approved by District Supervisor: for Frank Chavez	
Title: Environmental Supervisor	Approval Date: 02/09/04	Expiration Date:
E-mail Address: rschmalz@giant.com	Conditions of Approval:	Attached ☐
Date: 2/2/2004	Phone: (505) 632-4171	

* Attach Additional Sheets If Necessary

NDGF 0403038024

11

Hall Environmental Analysis Laboratory

Date: 13-Jan-04

CLIENT: San Juan Refining
Lab Order: 0312213
Project: Inj Well 4th Qtr 2003
Lab ID: 0312213-01

Client Sample ID: Qtr Inj Well 4th
Collection Date: 12/22/2003 7:45:00 AM

Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JDC
Chloride	1400	5.0		mg/L	50	12/29/2003 5:30:35 PM
Sulfate	490	25		mg/L	50	12/29/2003 5:30:35 PM
EPA METHOD 310.1: ALKALINITY						Analyst: MAP
Alkalinity, Total (As CaCO ₃)	340	4.0		mg/L CaCO ₃	2	1/5/2004
Carbonate	ND	4.0		mg/L CaCO ₃	2	1/5/2004
Bicarbonate	340	4.0		mg/L CaCO ₃	2	1/5/2004
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	12/24/2003
Toluene	ND	1.0		µg/L	1	12/24/2003
Ethylbenzene	1.7	1.0		µg/L	1	12/24/2003
Methyl tert-butyl ether (MTBE)	1000	10		µg/L	10	12/26/2003
1,2,4-Trimethylbenzene	33	1.0		µg/L	1	12/24/2003
1,3,5-Trimethylbenzene	17	1.0		µg/L	1	12/24/2003
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/24/2003
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/24/2003
Naphthalene	10	2.0		µg/L	1	12/24/2003
1-Methylnaphthalene	59	4.0		µg/L	1	12/24/2003
2-Methylnaphthalene	56	4.0		µg/L	1	12/24/2003
Acetone	3700	100		µg/L	10	12/26/2003
Bromobenzene	ND	1.0		µg/L	1	12/24/2003
Bromochloromethane	ND	1.0		µg/L	1	12/24/2003
Bromodichloromethane	ND	1.0		µg/L	1	12/24/2003
Bromoform	ND	1.0		µg/L	1	12/24/2003
Bromomethane	ND	2.0		µg/L	1	12/24/2003
2-Butanone	130	10		µg/L	1	12/24/2003
Carbon disulfide	ND	10		µg/L	1	12/24/2003
Carbon Tetrachloride	ND	1.0		µg/L	1	12/24/2003
Chlorobenzene	ND	1.0		µg/L	1	12/24/2003
Chloroethane	ND	2.0		µg/L	1	12/24/2003
Chloroform	ND	1.0		µg/L	1	12/24/2003
Chloromethane	ND	1.0		µg/L	1	12/24/2003
2-Chlorotoluene	ND	1.0		µg/L	1	12/24/2003
4-Chlorotoluene	ND	1.0		µg/L	1	12/24/2003
cis-1,2-DCE	ND	1.0		µg/L	1	12/24/2003
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/24/2003
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/24/2003
Dibromochloromethane	ND	1.0		µg/L	1	12/24/2003
Dibromomethane	ND	2.0		µg/L	1	12/24/2003
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/24/2003
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/24/2003

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
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 13-Jan-04

CLIENT: San Juan Refining
Lab Order: 0312213
Project: Inj Well 4th Qtr 2003
Lab ID: 0312213-01

Client Sample ID: Qtr Inj Well 4th
Collection Date: 12/22/2003 7:45:00 AM

Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/24/2003
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/24/2003
1,1-Dichloroethane	ND	1.0		µg/L	1	12/24/2003
1,1-Dichloroethene	ND	1.0		µg/L	1	12/24/2003
1,2-Dichloropropane	ND	1.0		µg/L	1	12/24/2003
1,3-Dichloropropane	ND	1.0		µg/L	1	12/24/2003
2,2-Dichloropropane	ND	1.0		µg/L	1	12/24/2003
1,1-Dichloropropene	ND	1.0		µg/L	1	12/24/2003
Hexachlorobutadiene	ND	1.0		µg/L	1	12/24/2003
2-Hexanone	19	10		µg/L	1	12/24/2003
Isopropylbenzene	ND	1.0		µg/L	1	12/24/2003
4-Isopropyltoluene	1.7	1.0		µg/L	1	12/24/2003
4-Methyl-2-pentanone	20	10		µg/L	1	12/24/2003
Methylene Chloride	ND	3.0		µg/L	1	12/24/2003
n-Butylbenzene	4.8	1.0		µg/L	1	12/24/2003
n-Propylbenzene	ND	1.0		µg/L	1	12/24/2003
sec-Butylbenzene	ND	1.0		µg/L	1	12/24/2003
Styrene	ND	1.0		µg/L	1	12/24/2003
tert-Butylbenzene	ND	1.0		µg/L	1	12/24/2003
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/24/2003
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	12/24/2003
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/24/2003
trans-1,2-DCE	ND	1.0		µg/L	1	12/24/2003
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/24/2003
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/24/2003
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/24/2003
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/24/2003
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/24/2003
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/24/2003
Trichlorofluoromethane	ND	1.0		µg/L	1	12/24/2003
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/24/2003
Vinyl chloride	ND	2.0		µg/L	1	12/24/2003
Xylenes, Total	120	1.0		µg/L	1	12/24/2003
Surr: 1,2-Dichloroethane-d4	92.1	70.6-124		%REC	1	12/24/2003
Surr: 4-Bromofluorobenzene	88.4	76.2-122		%REC	1	12/24/2003
Surr: Dibromofluoromethane	94.2	67.2-131		%REC	1	12/24/2003
Surr: Toluene-d8	97.4	82.1-123		%REC	1	12/24/2003

EPA METHOD 8270D: SEMIVOLATILES

Analyst: CS

Acenaphthene	ND	50	µg/L	1	1/5/2004
Acenaphthylene	ND	50	µg/L	1	1/5/2004
Aniline	ND	50	µg/L	1	1/5/2004
Anthracene	ND	50	µg/L	1	1/5/2004

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
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 13-Jan-04

CLIENT: San Juan Refining
Lab Order: 0312213
Project: Inj Well 4th Qtr 2003
Lab ID: 0312213-01

Client Sample ID: Qtr Inj Well 4th
Collection Date: 12/22/2003 7:45:00 AM

Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Azobenzene	ND	50		µg/L	1	1/5/2004
Benz(a)anthracene	ND	50		µg/L	1	1/5/2004
Benzidine	ND	100		µg/L	1	1/5/2004
Benzo(a)pyrene	ND	50		µg/L	1	1/5/2004
Benzo(b)fluoranthene	ND	50		µg/L	1	1/5/2004
Benzo(g,h,i)perylene	ND	50		µg/L	1	1/5/2004
Benzo(k)fluoranthene	ND	50		µg/L	1	1/5/2004
Benzoic acid	ND	250		µg/L	1	1/5/2004
Benzyl alcohol	ND	100		µg/L	1	1/5/2004
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	1/5/2004
Bis(2-chloroethyl)ether	ND	50		µg/L	1	1/5/2004
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	1/5/2004
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	1/5/2004
4-Bromophenyl phenyl ether	ND	50		µg/L	1	1/5/2004
Butyl benzyl phthalate	ND	50		µg/L	1	1/5/2004
Carbazole	ND	50		µg/L	1	1/5/2004
4-Chloro-3-methylphenol	ND	100		µg/L	1	1/5/2004
4-Chloroaniline	ND	100		µg/L	1	1/5/2004
2-Chloronaphthalene	ND	50		µg/L	1	1/5/2004
2-Chlorophenol	ND	50		µg/L	1	1/5/2004
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	1/5/2004
Chrysene	ND	50		µg/L	1	1/5/2004
Di-n-butyl phthalate	ND	50		µg/L	1	1/5/2004
Di-n-octyl phthalate	ND	50		µg/L	1	1/5/2004
Dibenz(a,h)anthracene	ND	50		µg/L	1	1/5/2004
Dibenzofuran	ND	50		µg/L	1	1/5/2004
1,2-Dichlorobenzene	ND	50		µg/L	1	1/5/2004
1,3-Dichlorobenzene	ND	50		µg/L	1	1/5/2004
1,4-Dichlorobenzene	ND	50		µg/L	1	1/5/2004
3,3'-Dichlorobenzidine	ND	50		µg/L	1	1/5/2004
Diethyl phthalate	ND	50		µg/L	1	1/5/2004
Dimethyl phthalate	ND	50		µg/L	1	1/5/2004
2,4-Dichlorophenol	ND	50		µg/L	1	1/5/2004
2,4-Dimethylphenol	96	50		µg/L	1	1/5/2004
4,6-Dinitro-2-methylphenol	ND	250		µg/L	1	1/5/2004
2,4-Dinitrophenol	ND	250		µg/L	1	1/5/2004
2,4-Dinitrotoluene	ND	50		µg/L	1	1/5/2004
2,6-Dinitrotoluene	ND	50		µg/L	1	1/5/2004
Fluoranthene	ND	50		µg/L	1	1/5/2004
Fluorene	ND	50		µg/L	1	1/5/2004
Hexachlorobenzene	ND	50		µg/L	1	1/5/2004
Hexachlorobutadiene	ND	50		µg/L	1	1/5/2004

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
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 13-Jan-04

CLIENT: San Juan Refining
Lab Order: 0312213
Project: Inj Well 4th Qtr 2003
Lab ID: 0312213-01

Client Sample ID: Qtr Inj Well 4th
Collection Date: 12/22/2003 7:45:00 AM

Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Hexachlorocyclopentadiene	ND	50		µg/L	1	1/5/2004
Hexachloroethane	ND	50		µg/L	1	1/5/2004
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	1/5/2004
Isophorone	ND	50		µg/L	1	1/5/2004
2-Methylnaphthalene	ND	50		µg/L	1	1/5/2004
2-Methylphenol	ND	50		µg/L	1	1/5/2004
3+4-Methylphenol	ND	50		µg/L	1	1/5/2004
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	1/5/2004
N-Nitrosodiphenylamine	ND	50		µg/L	1	1/5/2004
Naphthalene	ND	50		µg/L	1	1/5/2004
2-Nitroaniline	ND	250		µg/L	1	1/5/2004
3-Nitroaniline	ND	250		µg/L	1	1/5/2004
4-Nitroaniline	ND	100		µg/L	1	1/5/2004
Nitrobenzene	ND	50		µg/L	1	1/5/2004
2-Nitrophenol	ND	50		µg/L	1	1/5/2004
4-Nitrophenol	ND	250		µg/L	1	1/5/2004
Pentachlorophenol	ND	250		µg/L	1	1/5/2004
Phenanthrene	ND	50		µg/L	1	1/5/2004
Phenol	ND	50		µg/L	1	1/5/2004
Pyrene	ND	50		µg/L	1	1/5/2004
Pyridine	ND	50		µg/L	1	1/5/2004
1,2,4-Trichlorobenzene	ND	50		µg/L	1	1/5/2004
2,4,5-Trichlorophenol	ND	50		µg/L	1	1/5/2004
2,4,6-Trichlorophenol	ND	50		µg/L	1	1/5/2004
Surr: 2,4,6-Tribromophenol	88.0	16.6-115		%REC	1	1/5/2004
Surr: 2-Fluorobiphenyl	83.9	37-95.7		%REC	1	1/5/2004
Surr: 2-Fluorophenol	57.0	9.54-89.8		%REC	1	1/5/2004
Surr: 4-Terphenyl-d14	63.2	47.9-115		%REC	1	1/5/2004
Surr: Nitrobenzene-d5	75.9	38-106		%REC	1	1/5/2004
Surr: Phenol-d6	42.3	10.7-63.4		%REC	1	1/5/2004
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: MAP
Specific Conductance	7200	0.010		µmhos/cm	1	1/5/2004
EPA METHOD 7470: MERCURY						Analyst: MAP
Mercury	0.0027	0.00020		mg/L	1	1/9/2004
EPA 6010C: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	ND	0.020		mg/L	1	12/31/2003 10:50:58 AM
Barium	0.28	0.0020		mg/L	1	12/31/2003 10:50:58 AM
Cadmium	ND	0.0020		mg/L	1	12/31/2003 10:50:58 AM
Calcium	59	0.50		mg/L	1	12/31/2003 10:50:58 AM
Chromium	0.0093	0.0060		mg/L	1	12/31/2003 10:50:58 AM
Lead	ND	0.0050		mg/L	1	12/31/2003 10:50:58 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
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 13-Jan-04

CLIENT: San Juan Refining
Lab Order: 0312213
Project: Inj Well 4th Qtr 2003
Lab ID: 0312213-01

Client Sample ID: Qtr Inj Well 4th
Collection Date: 12/22/2003 7:45:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Magnesium	21	0.50		mg/L	1	12/31/2003 10:50:58 AM
Potassium	21	0.50		mg/L	1	12/31/2003 10:50:58 AM
Selenium	ND	0.050		mg/L	1	12/31/2003 10:50:58 AM
Silver	ND	0.0050		mg/L	1	12/31/2003 10:50:58 AM
Sodium	1100	50		mg/L	100	1/7/2004 9:39:31 AM
EPA METHOD 150.1: PH						Analyst: MAP
pH	8.25	0.010		pH units	1	1/5/2004
EPA METHOD 160.1: TDS						Analyst: MAP
Total Dissolved Solids	3900	1.0		mg/L	1	12/29/2003

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
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 13-Jan-04

CLIENT: San Juan Refining
Lab Order: 0312213
Project: Inj Well 4th Qtr 2003
Lab ID: 0312213-02

Client Sample ID: Trip Blank

Collection Date:

Matrix: TRIP BLANK

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	12/24/2003
Toluene	ND	1.0		µg/L	1	12/24/2003
Ethylbenzene	ND	1.0		µg/L	1	12/24/2003
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/24/2003
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/24/2003
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/24/2003
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/24/2003
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/24/2003
Naphthalene	ND	2.0		µg/L	1	12/24/2003
1-Methylnaphthalene	ND	4.0		µg/L	1	12/24/2003
2-Methylnaphthalene	ND	4.0		µg/L	1	12/24/2003
Acetone	ND	10		µg/L	1	12/24/2003
Bromobenzene	ND	1.0		µg/L	1	12/24/2003
Bromochloromethane	ND	1.0		µg/L	1	12/24/2003
Bromodichloromethane	ND	1.0		µg/L	1	12/24/2003
Bromoform	ND	1.0		µg/L	1	12/24/2003
Bromomethane	ND	2.0		µg/L	1	12/24/2003
2-Butanone	ND	10		µg/L	1	12/24/2003
Carbon disulfide	ND	10		µg/L	1	12/24/2003
Carbon Tetrachloride	ND	1.0		µg/L	1	12/24/2003
Chlorobenzene	ND	1.0		µg/L	1	12/24/2003
Chloroethane	ND	2.0		µg/L	1	12/24/2003
Chloroform	ND	1.0		µg/L	1	12/24/2003
Chloromethane	ND	1.0		µg/L	1	12/24/2003
2-Chlorotoluene	ND	1.0		µg/L	1	12/24/2003
4-Chlorotoluene	ND	1.0		µg/L	1	12/24/2003
cis-1,2-DCE	ND	1.0		µg/L	1	12/24/2003
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/24/2003
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/24/2003
Dibromochloromethane	ND	1.0		µg/L	1	12/24/2003
Dibromomethane	ND	2.0		µg/L	1	12/24/2003
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/24/2003
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/24/2003
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/24/2003
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/24/2003
1,1-Dichloroethane	ND	1.0		µg/L	1	12/24/2003
1,1-Dichloroethene	ND	1.0		µg/L	1	12/24/2003
1,2-Dichloropropane	ND	1.0		µg/L	1	12/24/2003
1,3-Dichloropropane	ND	1.0		µg/L	1	12/24/2003
2,2-Dichloropropane	ND	1.0		µg/L	1	12/24/2003
1,1-Dichloropropene	ND	1.0		µg/L	1	12/24/2003

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
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 13-Jan-04

CLIENT: San Juan Refining
Lab Order: 0312213
Project: Inj Well 4th Qtr 2003
Lab ID: 0312213-02

Client Sample ID: Trip Blank

Collection Date:

Matrix: TRIP BLANK

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Hexachlorobutadiene	ND	1.0		µg/L	1	12/24/2003
2-Hexanone	ND	10		µg/L	1	12/24/2003
Isopropylbenzene	ND	1.0		µg/L	1	12/24/2003
4-Isopropyltoluene	ND	1.0		µg/L	1	12/24/2003
4-Methyl-2-pentanone	ND	10		µg/L	1	12/24/2003
Methylene Chloride	ND	3.0		µg/L	1	12/24/2003
n-Butylbenzene	ND	1.0		µg/L	1	12/24/2003
n-Propylbenzene	ND	1.0		µg/L	1	12/24/2003
sec-Butylbenzene	ND	1.0		µg/L	1	12/24/2003
Styrene	ND	1.0		µg/L	1	12/24/2003
tert-Butylbenzene	ND	1.0		µg/L	1	12/24/2003
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/24/2003
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	12/24/2003
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/24/2003
trans-1,2-DCE	ND	1.0		µg/L	1	12/24/2003
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/24/2003
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/24/2003
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/24/2003
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/24/2003
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/24/2003
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/24/2003
Trichlorofluoromethane	ND	1.0		µg/L	1	12/24/2003
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/24/2003
Vinyl chloride	ND	2.0		µg/L	1	12/24/2003
Xylenes, Total	ND	1.0		µg/L	1	12/24/2003
Surr: 1,2-Dichloroethane-d4	101	70.6-124		%REC	1	12/24/2003
Surr: 4-Bromofluorobenzene	96.5	76.2-122		%REC	1	12/24/2003
Surr: Dibromofluoromethane	101	67.2-131		%REC	1	12/24/2003
Surr: Toluene-d8	99.0	82.1-123		%REC	1	12/24/2003

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
R - RPD outside accepted recovery limits
E - Value above quantitation range



LABORATORY ANALYTICAL REPORT

Client: Hall Environmental

Project: Inj. Well 4th Qtr. 2003

Lab ID: C03120955-001

Client Sample ID: Qtr Inj Well 4th (0312213-01E)

Report Date: 01/08/04

Collection Date: 12/22/03 07:45

Date Received: 12/24/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
Flash Point (Ignitability)	>140	°F		60	140	SW1010	12/31/03 12:11 / bah
pH, Corrosivity	8.28	s.u.		0.10		E9040 B	12/31/33 14:45 / lmh
- Flashpoint has been corrected for barometric pressure.							
REACTIVITY							
Sulfide, Reactive	ND	mg/kg		20.0	500	SW846 Ch 7	12/26/03 12:02 / dd
Cyanide, Reactive	ND	mg/kg		1.0	250	SW846 Ch 7	01/02/04 14:40 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

120955R0001

Hall Environmental Analysis Laboratory

Sample Receipt Checklist

Client Name SJR

Date and Time Received:

12/23/2003

Work Order Number 0312213

Received by AT

Checklist completed by

Anne Shorne

Signature

12/23/03

Date

Matrix

Carrier name UPS

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

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 ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☐

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

2°

4° C ± 2 Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**
4901 Hawking NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4100
www.hallenvironmental.com

Enj. Wel 4th Apr 2003

Project #:

87413

Sampler: Wendy Hurtado

Sample Temperature:

[illegible]

Remarks:

Received By: (Signature) _____, 12/23/63

Land Price 150

Received By: (Signature)