

COVER LETTER

July 18, 2005

Cindy Hurtado
San Juan Refining
#50 CR 4990
Bloomfield, NM 87413
TEL: (505) 632-4161
FAX (505) 632-3911

RE: Injection Well - 2nd Qtr 2005

Order No.: 0506265

Dear Cindy Hurtado:

Hall Environmental Analysis Laboratory received 2 samples on 6/28/2005 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,



Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

Hall Environmental Analysis Laboratory

Date: 18-Jul-05

CLIENT: San Juan Refining
Project: Injection Well - 2nd Qtr 2005
Lab Order: 0506265

CASE NARRATIVE

EPA method 8270: A heavy emulsion formed during the extraction of this sample. The low surrogates are attributed to the removing of this emulsion.

Hall Environmental Analysis Laboratory

Date: 18-Jul-05

CLIENT: San Juan Refining
 Lab Order: 0506265
 Project: Injection Well - 2nd Qtr 2005
 Lab ID: 0506265-01

Client Sample ID: Inj Well 2nd Qtr
 Collection Date: 6/27/2005 9:00:00 AM
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CMC
Chloride	1200	5.0		mg/L	50	7/9/2005
Sulfate	430	5.0		mg/L	10	7/8/2005
EPA METHOD 310.1: ALKALINITY						Analyst: MAP
Alkalinity, Total (As CaCO3)	570	4.0		mg/L CaCO3	2	6/30/2005
Carbonate	64	4.0		mg/L CaCO3	2	6/30/2005
Bicarbonate	500	4.0		mg/L CaCO3	2	6/30/2005
EPA METHOD 8260: VOLATILES						Analyst: BDH
Benzene	ND	10		µg/L	10	7/1/2005
Toluene	ND	10		µg/L	10	7/1/2005
Ethylbenzene	ND	10		µg/L	10	7/1/2005
Methyl tert-butyl ether (MTBE)	1400	100		µg/L	100	7/2/2005
1,2,4-Trimethylbenzene	19	10		µg/L	10	7/1/2005
1,3,5-Trimethylbenzene	48	10		µg/L	10	7/1/2005
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	7/1/2005
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	7/1/2005
Naphthalene	ND	20		µg/L	10	7/1/2005
1-Methylnaphthalene	130	40		µg/L	10	7/1/2005
2-Methylnaphthalene	73	40		µg/L	10	7/1/2005
Acetone	2800	1000		µg/L	100	7/2/2005
Bromobenzene	ND	10		µg/L	10	7/1/2005
Bromochloromethane	ND	10		µg/L	10	7/1/2005
Bromodichloromethane	ND	10		µg/L	10	7/1/2005
Bromoform	ND	10		µg/L	10	7/1/2005
Bromomethane	ND	20		µg/L	10	7/1/2005
2-Butanone	ND	100		µg/L	10	7/1/2005
Carbon disulfide	ND	100		µg/L	10	7/1/2005
Carbon Tetrachloride	ND	10		µg/L	10	7/1/2005
Chlorobenzene	ND	10		µg/L	10	7/1/2005
Chloroethane	ND	20		µg/L	10	7/1/2005
Chloroform	ND	10		µg/L	10	7/1/2005
Chloromethane	ND	10		µg/L	10	7/1/2005
2-Chlorotoluene	ND	10		µg/L	10	7/1/2005
4-Chlorotoluene	ND	10		µg/L	10	7/1/2005
cis-1,2-DCE	ND	10		µg/L	10	7/1/2005
cis-1,3-Dichloropropene	ND	10		µg/L	10	7/1/2005
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	7/1/2005
Dibromochloromethane	ND	10		µg/L	10	7/1/2005
Dibromomethane	ND	20		µg/L	10	7/1/2005
1,2-Dichlorobenzene	ND	10		µg/L	10	7/1/2005
1,3-Dichlorobenzene	ND	10		µg/L	10	7/1/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 * - Value exceeds Maximum Contaminant Level

Hall Environmental Analysis Laboratory

Date: 18-Jul-05

CLIENT: San Juan Refining

Client Sample ID: Inj Well 2nd Qtr

Lab Order: 0506265

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Lab ID: 0506265-01

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,4-Dichlorobenzene	ND	10		µg/L	10	7/1/2005
Dichlorodifluoromethane	ND	10		µg/L	10	7/1/2005
1,1-Dichloroethane	ND	10		µg/L	10	7/1/2005
1,1-Dichloroethene	ND	10		µg/L	10	7/1/2005
1,2-Dichloropropane	ND	10		µg/L	10	7/1/2005
1,3-Dichloropropane	ND	10		µg/L	10	7/1/2005
2,2-Dichloropropane	ND	10		µg/L	10	7/1/2005
1,1-Dichloropropene	ND	10		µg/L	10	7/1/2005
Hexachlorobutadiene	ND	10		µg/L	10	7/1/2005
2-Hexanone	ND	100		µg/L	10	7/1/2005
Isopropylbenzene	ND	10		µg/L	10	7/1/2005
4-Isopropyltoluene	ND	10		µg/L	10	7/1/2005
4-Methyl-2-pentanone	ND	100		µg/L	10	7/1/2005
Methylene Chloride	ND	30		µg/L	10	7/1/2005
n-Butylbenzene	ND	10		µg/L	10	7/1/2005
n-Propylbenzene	ND	10		µg/L	10	7/1/2005
sec-Butylbenzene	14	10		µg/L	10	7/1/2005
Styrene	ND	10		µg/L	10	7/1/2005
tert-Butylbenzene	ND	10		µg/L	10	7/1/2005
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	7/1/2005
1,1,2,2-Tetrachloroethane	ND	10		µg/L	10	7/1/2005
Tetrachloroethene (PCE)	ND	10		µg/L	10	7/1/2005
trans-1,2-DCE	ND	10		µg/L	10	7/1/2005
trans-1,3-Dichloropropene	ND	10		µg/L	10	7/1/2005
1,2,3-Trichlorobenzene	ND	10		µg/L	10	7/1/2005
1,2,4-Trichlorobenzene	ND	10		µg/L	10	7/1/2005
1,1,1-Trichloroethane	ND	10		µg/L	10	7/1/2005
1,1,2-Trichloroethane	ND	10		µg/L	10	7/1/2005
Trichloroethene (TCE)	ND	10		µg/L	10	7/1/2005
Trichlorofluoromethane	ND	10		µg/L	10	7/1/2005
1,2,3-Trichloropropane	ND	20		µg/L	10	7/1/2005
Vinyl chloride	ND	10		µg/L	10	7/1/2005
Xylenes, Total	95	10		µg/L	10	7/1/2005
Surr: 1,2-Dichloroethane-d4	105	80-120		%REC	10	7/1/2005
Surr: 4-Bromofluorobenzene	100	80-120		%REC	10	7/1/2005
Surr: Dibromofluoromethane	102	80-120		%REC	10	7/1/2005
Surr: Toluene-d8	89.2	80-120		%REC	10	7/1/2005

EPA METHOD 8270C: SEMIVOLATILES

Analyst: BL

Acenaphthene	ND	10		µg/L	1	7/12/2005
Acenaphthylene	ND	10		µg/L	1	7/12/2005
Aniline	ND	10		µg/L	1	7/12/2005
Anthracene	ND	10		µg/L	1	7/12/2005

Qualifiers: ND - Not Detected at the Reporting Limit

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R - RPD outside accepted recovery limits

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E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Hall Environmental Analysis Laboratory

Date: 18-Jul-05

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 Lab Order: 0506265
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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Azobenzene	ND	10		µg/L	1	7/12/2005
Benz(a)anthracene	ND	15		µg/L	1	7/12/2005
Benzo(a)pyrene	ND	10		µg/L	1	7/12/2005
Benzo(b)fluoranthene	ND	10		µg/L	1	7/12/2005
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/12/2005
Benzo(k)fluoranthene	ND	10		µg/L	1	7/12/2005
Benzoic acid	ND	50		µg/L	1	7/12/2005
Benzyl alcohol	ND	20		µg/L	1	7/12/2005
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/12/2005
Bis(2-chloroethyl)ether	ND	15		µg/L	1	7/12/2005
Bis(2-chloroisopropyl)ether	ND	15		µg/L	1	7/12/2005
Bis(2-ethylhexyl)phthalate	ND	15		µg/L	1	7/12/2005
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/12/2005
Butyl benzyl phthalate	ND	15		µg/L	1	7/12/2005
Carbazole	12	10		µg/L	1	7/12/2005
4-Chloro-3-methylphenol	ND	20		µg/L	1	7/12/2005
4-Chloroaniline	ND	20		µg/L	1	7/12/2005
2-Chloronaphthalene	ND	10		µg/L	1	7/12/2005
2-Chlorophenol	ND	10		µg/L	1	7/12/2005
4-Chlorophenyl phenyl ether	ND	15		µg/L	1	7/12/2005
Chrysene	ND	15		µg/L	1	7/12/2005
Di-n-butyl phthalate	ND	10		µg/L	1	7/12/2005
Di-n-octyl phthalate	ND	15		µg/L	1	7/12/2005
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/12/2005
Dibenzofuran	ND	10		µg/L	1	7/12/2005
1,2-Dichlorobenzene	ND	10		µg/L	1	7/12/2005
1,3-Dichlorobenzene	ND	10		µg/L	1	7/12/2005
1,4-Dichlorobenzene	ND	10		µg/L	1	7/12/2005
3,3'-Dichlorobenzidine	ND	15		µg/L	1	7/12/2005
Diethyl phthalate	ND	10		µg/L	1	7/12/2005
Dimethyl phthalate	ND	10		µg/L	1	7/12/2005
2,4-Dichlorophenol	ND	10		µg/L	1	7/12/2005
2,4-Dimethylphenol	ND	10		µg/L	1	7/12/2005
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	7/12/2005
2,4-Dinitrophenol	ND	50		µg/L	1	7/12/2005
2,4-Dinitrotoluene	ND	10		µg/L	1	7/12/2005
2,6-Dinitrotoluene	ND	10		µg/L	1	7/12/2005
Fluoranthene	ND	10		µg/L	1	7/12/2005
Fluorene	28	10		µg/L	1	7/12/2005
Hexachlorobenzene	ND	10		µg/L	1	7/12/2005
Hexachlorobutadiene	ND	10		µg/L	1	7/12/2005
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/12/2005

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 Lab Order: 0506265
 Project: Injection Well - 2nd Qtr 2005
 Lab ID: 0506265-01

Client Sample ID: Inj Well 2nd Qtr
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 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Hexachloroethane	ND	10		µg/L	1	7/12/2005
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/12/2005
Isophorone	ND	10		µg/L	1	7/12/2005
2-Methylnaphthalene	12	10		µg/L	1	7/12/2005
2-Methylphenol	ND	15		µg/L	1	7/12/2005
3+4-Methylphenol	ND	10		µg/L	1	7/12/2005
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/12/2005
N-Nitrosodimethylamine	ND	10		µg/L	1	7/12/2005
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/12/2005
Naphthalene	ND	10		µg/L	1	7/12/2005
2-Nitroaniline	ND	50		µg/L	1	7/12/2005
3-Nitroaniline	ND	50		µg/L	1	7/12/2005
4-Nitroaniline	ND	20		µg/L	1	7/12/2005
Nitrobenzene	220	10		µg/L	1	7/12/2005
2-Nitrophenol	18	15		µg/L	1	7/12/2005
4-Nitrophenol	ND	50		µg/L	1	7/12/2005
Pentachlorophenol	ND	50		µg/L	1	7/12/2005
Phenanthrene	65	10		µg/L	1	7/12/2005
Phenol	ND	10		µg/L	1	7/12/2005
Pyrene	ND	15		µg/L	1	7/12/2005
Pyridine	ND	30		µg/L	1	7/12/2005
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/12/2005
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/12/2005
2,4,6-Trichlorophenol	ND	15		µg/L	1	7/12/2005
Surr: 2,4,6-Tribromophenol	1.79	16.6-115	S	%REC	1	7/12/2005
Surr: 2-Fluorobiphenyl	77.5	37-95.7		%REC	1	7/12/2005
Surr: 2-Fluorophenol	0	9.54-89.8	S	%REC	1	7/12/2005
Surr: 4-Terphenyl-d14	73.2	47.9-115		%REC	1	7/12/2005
Surr: Nitrobenzene-d5	76.2	38-106		%REC	1	7/12/2005
Surr: Phenol-d6	0	10.7-63.4	S	%REC	1	7/12/2005

EPA 120.1: SPECIFIC CONDUCTANCE

Analyst: MAP

Specific Conductance 5700 0.010 µmhos/cm 1 7/11/2005

EPA METHOD 7470: MERCURY

Analyst: CMC

Mercury 0.0014 0.00020 mg/L 1 7/11/2005

EPA 6010: TOTAL RECOVERABLE METALS

Analyst: NMO

Arsenic	ND	0.020		mg/L	1	7/5/2005 10:35:28 AM
Barium	0.12	0.020		mg/L	1	7/5/2005 10:35:28 AM
Cadmium	ND	0.0020		mg/L	1	7/5/2005 10:35:28 AM
Calcium	32	1.0		mg/L	1	7/5/2005 10:35:28 AM
Chromium	ND	0.0060		mg/L	1	7/5/2005 10:35:28 AM
Iron	7.4	0.20		mg/L	10	7/5/2005 11:45:35 AM

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Hall Environmental Analysis Laboratory

Date: 18-Jul-05

CLIENT: San Juan Refining
Lab Order: 0506265
Project: Injection Well - 2nd Qtr 2005
Lab ID: 0506265-01

Client Sample ID: Inj Well 2nd Qtr
Collection Date: 6/27/2005 9:00:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Lead	ND	0.0050		mg/L	1	7/5/2005 10:35:28 AM
Magnesium	21	1.0		mg/L	1	7/5/2005 10:35:28 AM
Potassium	12	1.0		mg/L	1	7/5/2005 10:35:28 AM
Selenium	ND	0.050		mg/L	1	7/5/2005 10:35:28 AM
Silver	ND	0.0050		mg/L	1	7/5/2005 10:35:28 AM
Sodium	970	10		mg/L	10	7/5/2005 11:45:35 AM
EPA METHOD 150.1: PH						Analyst: MAP
pH	8.63	0.010		pH units	1	6/30/2005

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Hall Environmental Analysis Laboratory

Date: 18-Jul-05

CLIENT: San Juan Refining
 Lab Order: 0506265
 Project: Injection Well - 2nd Qtr 2005
 Lab ID: 0506265-02

Client Sample ID: Trip Blank
 Collection Date:
 Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	7/1/2005
Toluene	ND	1.0		µg/L	1	7/1/2005
Ethylbenzene	ND	1.0		µg/L	1	7/1/2005
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/1/2005
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/1/2005
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/1/2005
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/1/2005
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/1/2005
Naphthalene	ND	2.0		µg/L	1	7/1/2005
1-Methylnaphthalene	ND	4.0		µg/L	1	7/1/2005
2-Methylnaphthalene	ND	4.0		µg/L	1	7/1/2005
Acetone	ND	10		µg/L	1	7/1/2005
Bromobenzene	ND	1.0		µg/L	1	7/1/2005
Bromochloromethane	ND	1.0		µg/L	1	7/1/2005
Bromodichloromethane	ND	1.0		µg/L	1	7/1/2005
Bromoform	ND	1.0		µg/L	1	7/1/2005
Bromomethane	ND	2.0		µg/L	1	7/1/2005
2-Butanone	ND	10		µg/L	1	7/1/2005
Carbon disulfide	ND	10		µg/L	1	7/1/2005
Carbon Tetrachloride	ND	1.0		µg/L	1	7/1/2005
Chlorobenzene	ND	1.0		µg/L	1	7/1/2005
Chloroethane	ND	2.0		µg/L	1	7/1/2005
Chloroform	ND	1.0		µg/L	1	7/1/2005
Chloromethane	ND	1.0		µg/L	1	7/1/2005
2-Chlorotoluene	ND	1.0		µg/L	1	7/1/2005
4-Chlorotoluene	ND	1.0		µg/L	1	7/1/2005
cis-1,2-DCE	ND	1.0		µg/L	1	7/1/2005
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/1/2005
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/1/2005
Dibromochloromethane	ND	1.0		µg/L	1	7/1/2005
Dibromomethane	ND	2.0		µg/L	1	7/1/2005
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/1/2005
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/1/2005
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/1/2005
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/1/2005
1,1-Dichloroethane	ND	1.0		µg/L	1	7/1/2005
1,1-Dichloroethene	ND	1.0		µg/L	1	7/1/2005
1,2-Dichloropropane	ND	1.0		µg/L	1	7/1/2005
1,3-Dichloropropane	ND	1.0		µg/L	1	7/1/2005
2,2-Dichloropropane	ND	1.0		µg/L	1	7/1/2005
1,1-Dichloropropene	ND	1.0		µg/L	1	7/1/2005

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Hall Environmental Analysis Laboratory

Date: 18-Jul-05

CLIENT: San Juan Refining
 Lab Order: 0506265
 Project: Injection Well - 2nd Qtr 2005
 Lab ID: 0506265-02

Client Sample ID: Trip Blank
 Collection Date:

Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Hexachlorobutadiene	ND	1.0		µg/L	1	7/1/2005
2-Hexanone	ND	10		µg/L	1	7/1/2005
Isopropylbenzene	ND	1.0		µg/L	1	7/1/2005
4-Isopropyltoluene	ND	1.0		µg/L	1	7/1/2005
4-Methyl-2-pentanone	ND	10		µg/L	1	7/1/2005
Methylene Chloride	ND	3.0		µg/L	1	7/1/2005
n-Butylbenzene	ND	1.0		µg/L	1	7/1/2005
n-Propylbenzene	ND	1.0		µg/L	1	7/1/2005
sec-Butylbenzene	ND	1.0		µg/L	1	7/1/2005
Styrene	ND	1.0		µg/L	1	7/1/2005
tert-Butylbenzene	ND	1.0		µg/L	1	7/1/2005
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/1/2005
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	7/1/2005
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/1/2005
trans-1,2-DCE	ND	1.0		µg/L	1	7/1/2005
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/1/2005
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/1/2005
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/1/2005
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/1/2005
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/1/2005
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/1/2005
Trichlorofluoromethane	ND	1.0		µg/L	1	7/1/2005
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/1/2005
Vinyl chloride	ND	1.0		µg/L	1	7/1/2005
Xylenes, Total	ND	1.0		µg/L	1	7/1/2005
Surr: 1,2-Dichloroethane-d4	91.5	80-120		%REC	1	7/1/2005
Surr: 4-Bromofluorobenzene	107	80-120		%REC	1	7/1/2005
Surr: Dibromofluoromethane	87.7	80-120		%REC	1	7/1/2005
Surr: Toluene-d8	107	80-120		%REC	1	7/1/2005

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: 0506265
Lab ID: C05061245-001
Client Sample ID: Inj Well 2nd Qtr (0506265-01)

Report Date: 07/14/05
Collection Date: 06/27/05 09:00
Date Received: 06/29/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
PHYSICAL PROPERTIES							
Flash Point (Ignitability)	> 140	°F		60	140	SW1010	06/30/05 12:15 dd
pH, Corrosivity	8.04	s.u.		0.10		E9040 B	07/07/05 17:00 jb
- Flashpoint has been corrected for barometric pressure.							
REACTIVITY							
Sulfide, Reactive	ND	mg/kg		20.0	500	SW846 Ch 7	07/01/05 15:22 / sl
Cyanide, Reactive	ND	mg/kg		1.0	250	SW846 Ch 7	07/05/05 15:34 / eli-b

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

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

QA/QC Summary Report

Client: Hall Environmental

Report Date: 07/14/05

Project: 0506265

Work Order: C05061245

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW1010							Batch: 050630A-FLSHPNT-LIQ		
Sample ID: LCS1_050630A	Laboratory Control Spike								06/30/05 08:00
Flash Point (Ignitability)	82.0	°F	60	100	96	104			
- Flashpoint has been corrected for barometric pressure.									
Sample ID: MBLK1_050630A	Method Blank								06/30/05 08:35
Flash Point (Ignitability)	ND	°F	60						
- Flashpoint has been corrected for barometric pressure.									
Method: SW846 Ch 7							Batch: 8392		
Sample ID: MB-8392	Method Blank								07/01/05 15:21
Sulfide, Reactive	ND	mg/kg	1						
Method: SW846 Ch 7							Batch: B_16557		
Sample ID: MB-16557	Method Blank								07/05/05 15:36
Cyanide, Reactive	ND	mg/kg	0.05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Hall Environmental Analysis Laboratory

Date: 18-Jul-05

CLIENT: San Juan Refining
 Work Order: 0506265
 Project: Injection Well - 2nd Qtr 2005

QC SUMMARY REPORT
 Method Blank

Sample ID	MB	Batch ID:	R15910	Test Code:	E300	Units:	mg/L	Analysis Date	7/6/2005	Prep Date				
Client ID:		Run ID:	LC_050706A					SeqNo:	377603					
Analyte		Result		PQL		SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		ND		0.1										
Sulfate		ND		0.5										

Sample ID	MB	Batch ID:	R15929	Test Code:	E300	Units:	mg/L	Analysis Date	7/7/2005	Prep Date				
Client ID:		Run ID:	LC_050708A					SeqNo:	378040					
Analyte		Result		PQL		SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		ND		0.1										
Sulfate		ND		0.5										

Sample ID	MB	Batch ID:	R15942	Test Code:	E300	Units:	mg/L	Analysis Date	7/8/2005	Prep Date				
Client ID:		Run ID:	LC_050708B					SeqNo:	378449					
Analyte		Result		PQL		SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		ND		0.1										
Sulfate		ND		0.5										

Sample ID	MBLK	Batch ID:	R15856	Test Code:	E310.1	Units:	mg/L CaCO3	Analysis Date	6/30/2005	Prep Date				
Client ID:		Run ID:	WC_050630B					SeqNo:	376042					
Analyte		Result		PQL		SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)		ND		2										
Carbonate		ND		2										
Bicarbonate		ND		2										

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

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CLIENT: San Juan Refining
Work Order: 0506265
Project: Injection Well - 2nd Qtr 2005

QC SUMMARY REPORT

Method Blank

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date							
MB-8266	8266	SW8270C	µg/L	7/11/2005	7/1/2005							
Client ID:	Run ID:	SeqNo:										
	ELMO_050711A	379090										
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Acenaphthene	ND	10										
Acenaphthylene	ND	10										
Aniline	ND	10										
Anthracene	ND	10										
Azobenzene	ND	10										
Benz(a)anthracene	ND	15										
Benzo(a)pyrene	ND	10										
Benzo(b)fluoranthene	ND	10										
Benzo(g,h,i)perylene	ND	10										
Benzo(k)fluoranthene	ND	10										
Benzoic acid	ND	50										
Benzyl alcohol	ND	20										
Bis(2-chloroethoxy)methane	ND	10										
Bis(2-chloroethyl)ether	ND	15										
Bis(2-chloroisopropyl)ether	ND	15										
Bis(2-ethylhexyl)phthalate	ND	15										
4-Bromophenyl phenyl ether	ND	10										
Butyl benzyl phthalate	ND	15										
Carbazole	ND	10										
4-Chloro-3-methylphenol	ND	20										
4-Chloroaniline	ND	20										
2-Chloronaphthalene	ND	10										
2-Chlorophenol	ND	10										
4-Chlorophenyl phenyl ether	ND	15										
Chrysene	ND	15										
Di-n-butyl phthalate	ND	10										
Di-n-octyl phthalate	ND	15										
Dibenz(a,h)anthracene	ND	10										

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

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CLIENT: San Juan Refining
Work Order: 0506265
Project: Injection Well - 2nd Qtr 2005

QC SUMMARY REPORT

Method Blank

Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
3,3'-Dichlorobenzidine	ND	15
Diethyl phthalate	ND	10
Dimethyl phthalate	ND	10
2,4-Dichlorophenol	ND	10
2,4-Dimethylphenol	ND	10
4,6-Dinitro-2-methylphenol	ND	50
2,4-Dinitrophenol	ND	50
2,4-Dinitrotoluene	ND	10
2,6-Dinitrotoluene	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Hexachlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Hexachlorocyclopentadiene	ND	10
Hexachloroethane	ND	10
Indeno(1,2,3-cd)pyrene	ND	10
Isophorone	ND	10
2-Methylnaphthalene	ND	10
2-Methylphenol	ND	15
3+4-Methylphenol	ND	10
N-Nitrosodi-n-propylamine	ND	10
N-Nitrosodimethylamine	ND	10
N-Nitrosodiphenylamine	ND	10
Naphthalene	ND	10
2-Nitroaniline	ND	50
3-Nitroaniline	ND	50
4-Nitroaniline	ND	20
Nitrobenzene	ND	10
2-Nitrophenol	ND	15

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Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: San Juan Refining
 Work Order: 0506265
 Project: Injection Well - 2nd Qtr 2005

QC SUMMARY REPORT

Method Blank

4-Nitrophenol	ND	50									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	15									
Pyridine	ND	30									
1,2,4-Trichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	15									
Surr: 2,4,6-Tribromophenol	175	0	200	0	87.5	16.6	115	0			
Surr: 2-Fluorobiphenyl	79.76	0	100	0	79.8	37	95.7	0			
Surr: 2-Fluorophenol	132.2	0	200	0	66.1	9.54	89.8	0			
Surr: 4-Terphenyl-d14	87.38	0	100	0	87.4	51.2	125	0			
Surr: Nitrobenzene-d5	84.06	0	100	0	84.1	38	106	0			
Surr: Phenol-d6	93.28	0	200	0	46.6	10.7	63.4	0			

Sample ID	MB-8321	Batch ID:	8321	Test Code:	SW7470	Units:	mg/L	Analysis Date	7/11/2005	Prep Date	7/11/2005
Client ID:		Run ID:	MI-LA254_050711A	SeqNo:	378659						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.0002									

Sample ID	MB-8253	Batch ID:	8253	Test Code:	SW6010A	Units:	mg/L	Analysis Date	7/5/2005 9:47:52 AM	Prep Date	6/30/2005
Client ID:		Run ID:	ICP_050705B	SeqNo:	377212						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.005									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

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Hall Environmental Analysis Laboratory

Date: 18-Jul-05

CLIENT: San Juan Refining
 Work Order: 0506265
 Project: Injection Well - 2nd Qtr 2005

QC SUMMARY REPORT

Method Blank

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date													
5ml rb	R15862	SW8260B	µg/L	6/30/2005		Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Client ID:		Run ID:	NEPTUNE_050630A	SeqNo:	376262													
						Benzene	ND	1										
						Toluene	ND	1										
						Ethylbenzene	ND	1										
						Methyl tert-butyl ether (MTBE)	0.478	1										J
						1,2,4-Trimethylbenzene	ND	1										
						1,3,5-Trimethylbenzene	ND	1										
						1,2-Dichloroethane (EDC)	ND	1										
						1,2-Dibromoethane (EDB)	ND	1										
						Naphthalene	ND	2										
						1-Methylnaphthalene	ND	4										
						2-Methylnaphthalene	ND	4										
						Acetone	ND	10										
						Bromobenzene	ND	1										
						Bromochloromethane	ND	1										
						Bromodichloromethane	ND	1										
						Bromoform	ND	1										
						Bromomethane	0.706	2										J
						2-Butanone	ND	10										
						Carbon disulfide	1.41	10										J
						Carbon Tetrachloride	ND	1										
						Chlorobenzene	ND	1										
						Chloroethane	ND	2										
						Chloroform	ND	1										
						Chloromethane	0.604	1										J
						2-Chlorotoluene	ND	1										
						4-Chlorotoluene	ND	1										
						cis-1,2-DCE	ND	1										

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

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CLIENT: San Juan Refining
Work Order: 0506265
Project: Injection Well - 2nd Qtr 2005

QC SUMMARY REPORT

Method Blank

cis-1,3-Dichloropropene	ND	1
1,2-Dibromo-3-chloropropane	ND	2
Dibromochloromethane	ND	1
Dibromomethane	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Dichlorodifluoromethane	ND	1
1,1-Dichloroethane	ND	1
1,1-Dichloroethene	ND	1
1,2-Dichloropropane	ND	1
1,3-Dichloropropane	ND	1
2,2-Dichloropropane	ND	1
1,1-Dichloropropene	ND	1
Hexachlorobutadiene	ND	1
2-Hexanone	ND	10
Isopropylbenzene	ND	1
4-Isopropyltoluene	ND	1
4-Methyl-2-pentanone	ND	10
Methylene Chloride	0.472	3
n-Butylbenzene	ND	1
n-Propylbenzene	ND	1
sec-Butylbenzene	ND	1
Styrene	ND	1
tert-Butylbenzene	ND	1
1,1,1,2-Tetrachloroethane	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Tetrachloroethene (PCE)	ND	1
trans-1,2-DCE	ND	1
trans-1,3-Dichloropropene	ND	1
1,2,3-Trichlorobenzene	ND	1
1,2,4-Trichlorobenzene	ND	1
1,1,1-Trichloroethane	ND	1

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J

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: San Juan Refining
Work Order: 0506265
Project: Injection Well - 2nd Qtr 2005

QC SUMMARY REPORT
 Method Blank

1,1,2-Trichloroethane	ND	1						
Trichloroethene (TCE)	ND	1						
Trichlorofluoromethane	ND	1						
1,2,3-Trichloropropane	ND	2						
Vinyl chloride	ND	1						
Xylenes, Total	ND	1						
Surr: 1,2-Dichloroethane-d4	9.498	0	10	0	95.0	80	120	0
Surr: 4-Bromofluorobenzene	10.26	0	10	0	103	80	120	0
Surr: Dibromofluoromethane	9.746	0	10	0	97.5	80	120	0
Surr: Toluene-d8	10.09	0	10	0	101	80	120	0

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Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory

Date: 18-Jul-05

CLIENT: San Juan Refining
Work Order: 0506265
Project: Injection Well - 2nd Qtr 2005

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID	LCS	Batch ID:	R15910	Test Code:	E300	Units:	mg/L	Analysis Date	7/6/2005	Prep Date		
Client ID:		Run ID:	LC_050706A	SeqNo:	377604							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		4.806	0.1	5	0	96.1	90	110	0			
Sulfate		9.824	0.5	10	0	98.2	90	110	0			

Sample ID	LCS	Batch ID:	R15929	Test Code:	E300	Units:	mg/L	Analysis Date	7/7/2005	Prep Date		
Client ID:		Run ID:	LC_050708A	SeqNo:	378041							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		4.867	0.1	5	0	97.3	90	110	0			
Sulfate		9.968	0.5	10	0	99.7	90	110	0			

Sample ID	100ng Ics	Batch ID:	R15862	Test Code:	SW8260B	Units:	µg/L	Analysis Date	6/30/2005	Prep Date		
Client ID:		Run ID:	NEPTUNE_050630A	SeqNo:	376265							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		18.26	1	20	0	91.3	80	130	0			
Toluene		21.81	1	20	0	109	87.5	128	0			
Chlorobenzene		20.51	1	20	0	103	76.2	130	0			
1,1-Dichloroethene		18.74	1	20	0	93.7	73.3	130	0			
Trichloroethene (TCE)		18.09	1	20	0	90.5	76.9	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

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CLIENT: San Juan Refining
Work Order: 0506265
Project: Injection Well - 2nd Qtr 2005

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID	100ng Ics	Batch ID:	R15878	Test Code:	SW8260B	Units:	µg/L	Analysis Date	7/1/2005	Prep Date	
Client ID:		Run ID:	NEPTUNE_050701A	SeqNo:	376688						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	18.38	1	20	0	91.9	80	130	0			
Toluene	21.59	1	20	0	108	87.5	128	0			
Chlorobenzene	21.57	1	20	0	108	76.2	130	0			
1,1-Dichloroethene	18.94	1	20	0	94.7	73.3	130	0			
Trichloroethene (TCE)	17.99	1	20	0	89.9	76.9	130	0			

Sample ID	LCS-8266	Batch ID:	8266	Test Code:	SW8270C	Units:	µg/L	Analysis Date	7/11/2005	Prep Date	7/1/2005
Client ID:		Run ID:	ELMO_050711A	SeqNo:	379091						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	76.34	10	100	0	76.3	11	123	0			
4-Chloro-3-methylphenol	146.8	20	200	0	73.4	15.4	119	0			
2-Chlorophenol	140.7	10	200	0	70.4	12.2	122	0			
1,4-Dichlorobenzene	60.62	10	100	0	60.6	16.9	100	0			
2,4-Dinitrotoluene	80	10	100	0	80.0	13	138	0			
N-Nitrosodi-n-propylamine	68.96	10	100	0	69.0	9.93	122	0			
4-Nitrophenol	73.6	50	200	0	36.8	-20.5	87.4	0			
Pentachlorophenol	163.4	50	200	0	81.7	-0.355	114	0			
Phenol	76.22	10	200	0	38.1	7.53	73.1	0			
Pyrene	83.16	15	100	0	83.2	12.6	140	0			
1,2,4-Trichlorobenzene	60.36	10	100	0	60.4	17.4	98.7	0			

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Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: San Juan Refining
Work Order: 0506265
Project: Injection Well - 2nd Qtr 2005

QC SUMMARY REPORT
 Laboratory Control Spike Duplicate

Sample ID	LCSD-8266	Batch ID:	8266	Test Code:	SW8270C	Units:	µg/L	Analysis Date	7/11/2005	Prep Date	7/11/2005
Client ID:				Run ID:	ELMO_050711A	SeqNo:	379092				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	78.8	10	100	0	78.8	11	123	76.34	3.17	30.5	
4-Chloro-3-methylphenol	168	20	200	0	84.0	15.4	119	146.8	13.5	28.6	
2-Chlorophenol	162.5	10	200	0	81.2	12.2	122	140.7	14.3	107	
1,4-Dichlorobenzene	70.32	10	100	0	70.3	16.9	100	60.62	14.8	62.1	
2,4-Dinitrotoluene	78.82	10	100	0	78.8	13	138	80	1.49	14.7	
N-Nitrosodi-n-propylamine	77.22	10	100	0	77.2	9.93	122	68.96	11.3	30.3	
4-Nitrophenol	85.94	50	200	0	43.0	12.5	87.4	73.6	15.5	36.3	
Pentachlorophenol	176.7	50	200	0	88.4	3.55	114	163.4	7.86	49	
Phenol	92.54	10	200	0	46.3	7.53	73.1	76.22	19.3	52.4	
Pyrene	84.86	15	100	0	84.9	12.6	140	83.16	2.02	16.3	
1,2,4-Trichlorobenzene	74.48	10	100	0	74.5	17.4	98.7	60.36	20.9	36.4	

Sample ID	LCS-8321	Batch ID:	8321	Test Code:	SW7470	Units:	mg/L	Analysis Date	7/11/2005	Prep Date	7/11/2005
Client ID:				Run ID:	MI-LA254_050711A	SeqNo:	378660				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.004866	0.0002	0.005	0	97.3	75.2	134	0			

Sample ID	LCSD-8321	Batch ID:	8321	Test Code:	SW7470	Units:	mg/L	Analysis Date	7/11/2005	Prep Date	7/11/2005
Client ID:				Run ID:	MI-LA254_050711A	SeqNo:	378678				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.004816	0.0002	0.005	0	96.3	75.2	134	0.004866	1.04	0	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

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CLIENT: San Juan Refining
Work Order: 0506265
Project: Injection Well - 2nd Qtr 2005

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID	Batch ID: 8253	Test Code: SW6010A	Units: mg/L	Analysis Date	7/5/2005 9:51:01 AM	Prep Date	6/30/2005				
Client ID:	Run ID: ICP_050705A	SeqNo:	377011								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5537	0.02	0.5	0	111	80	120	0			
Barium	0.5208	0.02	0.5	0	104	80	120	0			
Cadmium	0.5226	0.002	0.5	0	105	80	120	0			
Calcium	49.34	1	50	0	98.7	80	120	0			
Chromium	0.5248	0.006	0.5	0	105	80	120	0			
Lead	0.5227	0.005	0.5	0	105	80	120	0			
Magnesium	49.27	1	50	0	98.5	80	120	0			
Potassium	49.45	1	50	0	98.9	80	120	0			
Selenium	0.5075	0.05	0.5	0	102	80	120	0			
Silver	0.5241	0.005	0.5	0.0008596	105	80	120	0			
Sodium	49.64	1	50	0	99.3	80	120	0			

Sample ID	Batch ID: 8253	Test Code: SW6010A	Units: mg/L	Analysis Date	7/5/2005 9:54:13 AM	Prep Date	6/30/2005				
Client ID:	Run ID: ICP_050705A	SeqNo:	377012								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5621	0.02	0.5	0	112	80	120	0.5537	1.51	20	
Barium	0.5242	0.02	0.5	0	105	80	120	0.5208	0.647	20	
Cadmium	0.5293	0.002	0.5	0	106	80	120	0.5226	1.27	20	
Calcium	49.57	1	50	0	99.1	80	120	49.34	0.474	20	
Chromium	0.5311	0.006	0.5	0	106	80	120	0.5248	1.20	20	
Lead	0.5287	0.005	0.5	0	106	80	120	0.5227	1.14	20	
Magnesium	49.83	1	50	0	99.7	80	120	49.27	1.13	20	
Potassium	50.03	1	50	0	100	80	120	49.45	1.17	20	
Selenium	0.5162	0.05	0.5	0	103	80	120	0.5075	1.70	20	
Silver	0.5266	0.005	0.5	0.0008596	105	80	120	0.5241	0.475	20	
Sodium	50.06	1	50	0	100	80	120	49.64	0.843	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

21/23

CLIENT: San Juan Refining
Work Order: 0506265
Project: Injection Well - 2nd Qtr 2005

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID	LCS-8253	Batch ID:	8253	Test Code:	SW6010A	Units:	mg/L	Analysis Date	7/5/2005 9:51:01 AM	Prep Date	6/30/2005	
Client ID:		Run ID:	ICP_050705B	SeqNo:	377213							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		0.509	0.005	0.5	0	102	80	120	0			

Sample ID	LCSD-8253	Batch ID:	8253	Test Code:	SW6010A	Units:	mg/L	Analysis Date	7/5/2005 9:54:13 AM	Prep Date	6/30/2005	
Client ID:		Run ID:	ICP_050705B	SeqNo:	377214							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		0.5151	0.005	0.5	0	103	80	120	0.509	1.18	20	

22/23

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory

Sample Receipt Checklist

Client Name SJR

Date and Time Received:

6/28/2005

Work Order Number 0506265

Received by

GLS

Checklist completed by Gonzales 6/28/05
Signature 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? 9° 4° C ± 2 Acceptable
If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

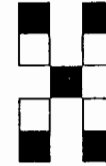
Corrective Action _____

CHAIN-OF-CUSTODY RECORD

Accreditation Applied:

NELAC USACE

Other: _____



HALL ENVIRONMENTAL ANALYSIS LABORATORY

4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

Client: *SAN Juan Refining*

Project Name: *Injection Well - 2nd Qtr - 2005*

Address: *# 50 Rd 4990
Bloomfield, NM 87413*

Project #:

Project Manager:

Phone #: *505-632-4161*

Sampler: *Cindy Hurtado*

Fax #: *505-632-3911*

Sample Temperature: *9°*

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative			HEAL No.
					H ₂ Cl ₂	HNO ₃		
<i>6/27/05</i>	<i>9AM</i>	<i>H₂O</i>	<i>Inf Well 2nd QTR</i>	<i>3-VOA</i>	<i>X</i>			<i>0501265</i>
				<i>1-liter</i>				
				<i>1-500 ml</i>		<i>X</i>		
				<i>1-500 ml</i>				
				<i>1-500 ml</i>				
				<i>1-250 ml</i>				
				<i>1-250 ml</i>				
			<i>TB</i>	<i>2VOA</i>	<i>X</i>			

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B MOD (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDG (Method 8024) Sulfide	8310 (PNA or PAH)	RCRA 8 Metals, Na, Mg, Ca, K	Cations (Na, K, Ca, Mg)	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / PCB's (8082)	8260 (VOA) <i>B</i>	8270 (Semi-VOA)	EC, PH, SO ₄ , Al, Cl	Ignitability, Corrosivity Reactivity	Air Bubbles or Headspace (Y or N)
											<i>X</i>				
												<i>X</i>			
							<i>X</i>						<i>X</i>		
														<i>X</i>	
															<i>X</i>
							<i>X</i>								
											<i>X</i>				

Date: *6/27/05* Time: *9:30AM* Relinquished By: (Signature) *Cindy Hurtado*

Remarks: *Schlepp 6-2805 @ 11:5*

Remarks: