

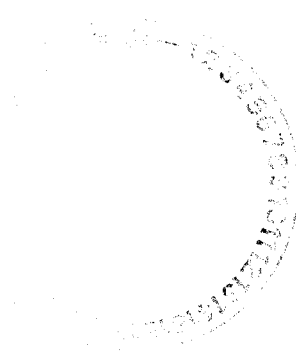
GREE 040



COVER LETTER

August 25, 2004

Steve Morris
Giant Refining Co
Rt. 3 Box 7
Gallup, NM 87301
TEL: (505) 722-3833
FAX (505) 722-0210



RE: Well #4 SDWA/Iyanbito

Order No.: 0408038

Dear Steve Morris:

Hall Environmental Analysis Laboratory received 2 samples on 8/5/2004 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over the typed name.

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager



Hall Environmental Analysis Laboratory

Date: 25-Aug-04

CLIENT: Giant Refining Co
Lab Order: 0408038
Project: Well #4 SDWA/Iyanbito
Lab ID: 0408038-01

Client Sample ID: Well #4
Collection Date: 8/4/2004 3:00:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: MAP
EPA METHOD 300.0: ANIONS						
Fluoride	0.21	0.10		mg/L	1	8/5/2004 1:56:45 PM
Nitrogen, Nitrate (As N)	0.12	0.10		mg/L	1	8/5/2004 1:56:45 PM
						Analyst: SCC
EPA METHOD 504.1: EDB						
1,2-Dibromoethane	ND	0.010		µg/L	1	8/6/2004 12:29:58 PM
						Analyst: JMP
EPA METHOD 8082: PCB'S						
Aroclor 1016	ND	1.0		µg/L	1	8/24/2004 5:22:53 AM
Aroclor 1221	ND	5.0		µg/L	1	8/24/2004 5:22:53 AM
Aroclor 1232	ND	1.0		µg/L	1	8/24/2004 5:22:53 AM
Aroclor 1242	ND	1.0		µg/L	1	8/24/2004 5:22:53 AM
Aroclor 1248	ND	1.0		µg/L	1	8/24/2004 5:22:53 AM
Aroclor 1254	ND	1.0		µg/L	1	8/24/2004 5:22:53 AM
Aroclor 1260	ND	1.0		µg/L	1	8/24/2004 5:22:53 AM
Surr: Decachlorobiphenyl	106	45.3-140		%REC	1	8/24/2004 5:22:53 AM
Surr: Tetrachloro-m-xylene	66.0	28.1-139		%REC	1	8/24/2004 5:22:53 AM
						Analyst: KTM
EPA METHOD 8260B: VOLATILES						
Benzene	ND	1.0		µg/L	1	8/10/2004
Toluene	ND	1.0		µg/L	1	8/10/2004
Ethylbenzene	ND	1.0		µg/L	1	8/10/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/10/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/10/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/10/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/10/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/10/2004
Naphthalene	ND	2.0		µg/L	1	8/10/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	8/10/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	8/10/2004
Acetone	ND	10		µg/L	1	8/10/2004
Bromobenzene	ND	1.0		µg/L	1	8/10/2004
Bromochloromethane	ND	1.0		µg/L	1	8/10/2004
Bromodichloromethane	ND	1.0		µg/L	1	8/10/2004
Bromoform	ND	1.0		µg/L	1	8/10/2004
Bromomethane	ND	2.0		µg/L	1	8/10/2004
2-Butanone	ND	10		µg/L	1	8/10/2004
Carbon disulfide	ND	10		µg/L	1	8/10/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	8/10/2004
Chlorobenzene	ND	1.0		µg/L	1	8/10/2004
Chloroethane	ND	2.0		µg/L	1	8/10/2004
Chloroform	ND	1.0		µg/L	1	8/10/2004
Chloromethane	ND	1.0		µg/L	1	8/10/2004

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: 25-Aug-04

CLIENT: Giant Refining Co
Lab Order: 0408038
Project: Well #4 SDWA/Iyanbito
Lab ID: 0408038-01

Client Sample ID: Well #4
Collection Date: 8/4/2004 3:00:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
2-Chlorotoluene	ND	1.0		µg/L	1	8/10/2004
4-Chlorotoluene	ND	1.0		µg/L	1	8/10/2004
cis-1,2-DCE	ND	1.0		µg/L	1	8/10/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/10/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/10/2004
Dibromochloromethane	ND	1.0		µg/L	1	8/10/2004
Dibromomethane	ND	2.0		µg/L	1	8/10/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/10/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/10/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/10/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/10/2004
1,1-Dichloroethane	ND	1.0		µg/L	1	8/10/2004
1,1-Dichloroethene	ND	1.0		µg/L	1	8/10/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	8/10/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	8/10/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	8/10/2004
1,1-Dichloropropene	ND	1.0		µg/L	1	8/10/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	8/10/2004
2-Hexanone	ND	10		µg/L	1	8/10/2004
Isopropylbenzene	ND	1.0		µg/L	1	8/10/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	8/10/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	8/10/2004
Methylene Chloride	ND	3.0		µg/L	1	8/10/2004
n-Butylbenzene	ND	1.0		µg/L	1	8/10/2004
n-Propylbenzene	ND	1.0		µg/L	1	8/10/2004
sec-Butylbenzene	ND	1.0		µg/L	1	8/10/2004
Styrene	ND	1.0		µg/L	1	8/10/2004
tert-Butylbenzene	ND	1.0		µg/L	1	8/10/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/10/2004
1,1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	8/10/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/10/2004
trans-1,2-DCE	ND	1.0		µg/L	1	8/10/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/10/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/10/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/10/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/10/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/10/2004
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/10/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	8/10/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/10/2004
Vinyl chloride	ND	1.0		µg/L	1	8/10/2004
Xylenes, Total	ND	1.0		µg/L	1	8/10/2004

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

Hall Environmental Analysis Laboratory

Date: 25-Aug-04

CLIENT: Giant Refining Co
Lab Order: 0408038
Project: Well #4 SDWA/Iyanbito
Lab ID: 0408038-01

Client Sample ID: Well #4
Collection Date: 8/4/2004 3:00:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Surr: 1,2-Dichloroethane-d4	102	70.6-124		%REC	1	8/10/2004
Surr: 4-Bromofluorobenzene	101	76.4-130		%REC	1	8/10/2004
Surr: Dibromofluoromethane	111	67.2-131		%REC	1	8/10/2004
Surr: Toluene-d8	99.6	82.1-123		%REC	1	8/10/2004
EPA METHOD 8310: PAHS						Analyst: IC
Naphthalene	ND	2.5		µg/L	1	8/21/2004 11:48:01 AM
1-Methylnaphthalene	ND	2.5		µg/L	1	8/21/2004 11:48:01 AM
2-Methylnaphthalene	ND	2.5		µg/L	1	8/21/2004 11:48:01 AM
Acenaphthylene	ND	2.5		µg/L	1	8/21/2004 11:48:01 AM
Acenaphthene	ND	2.5		µg/L	1	8/21/2004 11:48:01 AM
Fluorene	ND	0.80		µg/L	1	8/21/2004 11:48:01 AM
Phenanthrene	ND	0.60		µg/L	1	8/21/2004 11:48:01 AM
Anthracene	ND	0.60		µg/L	1	8/21/2004 11:48:01 AM
Fluoranthene	ND	0.30		µg/L	1	8/21/2004 11:48:01 AM
Pyrene	ND	0.30		µg/L	1	8/21/2004 11:48:01 AM
Benz(a)anthracene	ND	0.020		µg/L	1	8/21/2004 11:48:01 AM
Chrysene	ND	0.20		µg/L	1	8/21/2004 11:48:01 AM
Benzo(b)fluoranthene	ND	0.050		µg/L	1	8/21/2004 11:48:01 AM
Benzo(k)fluoranthene	ND	0.020		µg/L	1	8/21/2004 11:48:01 AM
Benzo(a)pyrene	ND	0.020		µg/L	1	8/21/2004 11:48:01 AM
Dibenz(a,h)anthracene	ND	0.040		µg/L	1	8/21/2004 11:48:01 AM
Benzo(g,h,i)perylene	ND	0.030		µg/L	1	8/21/2004 11:48:01 AM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	8/21/2004 11:48:01 AM
Surr: Benzo(e)pyrene	88.7	54-102		%REC	1	8/21/2004 11:48:01 AM
EPA METHOD 7470: MERCURY						Analyst: CMC
Mercury	ND	0.00020		mg/L	1	8/9/2004
EPA METHOD 6010C: DISSOLVED METALS						Analyst: NMO
Arsenic	ND	0.020		mg/L	1	8/6/2004 10:18:19 AM
Barium	0.014	0.0020		mg/L	1	8/6/2004 10:18:19 AM
Cadmium	ND	0.0020		mg/L	1	8/6/2004 10:18:19 AM
Chromium	ND	0.0060		mg/L	1	8/6/2004 10:18:19 AM
Lead	ND	0.0050		mg/L	1	8/6/2004 10:18:19 AM
Selenium	ND	0.050		mg/L	1	8/6/2004 10:18:19 AM
Silver	ND	0.0050		mg/L	1	8/6/2004 10:18:19 AM
Uranium	ND	0.10		mg/L	1	8/6/2004 10:18:19 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: 25-Aug-04

CLIENT: Giant Refining Co
 Lab Order: 0408038
 Project: Well #4 SDWA/Iyanbito
 Lab ID: 0408038-02

Client Sample ID: TRIP BLANK

Collection Date:

Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 504.1: EDB						
1,2-Dibromoethane	ND	0.010		µg/L	1	8/6/2004 12:42:50 PM
EPA METHOD 8260B: VOLATILES						
Benzene	ND	1.0		µg/L	1	8/10/2004
Toluene	ND	1.0		µg/L	1	8/10/2004
Ethylbenzene	ND	1.0		µg/L	1	8/10/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/10/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/10/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/10/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/10/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/10/2004
Naphthalene	ND	2.0		µg/L	1	8/10/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	8/10/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	8/10/2004
Acetone	ND	10		µg/L	1	8/10/2004
Bromobenzene	ND	1.0		µg/L	1	8/10/2004
Bromochloromethane	ND	1.0		µg/L	1	8/10/2004
Bromodichloromethane	ND	1.0		µg/L	1	8/10/2004
Bromoform	ND	1.0		µg/L	1	8/10/2004
Bromomethane	ND	2.0		µg/L	1	8/10/2004
2-Butanone	ND	10		µg/L	1	8/10/2004
Carbon disulfide	ND	10		µg/L	1	8/10/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	8/10/2004
Chlorobenzene	ND	1.0		µg/L	1	8/10/2004
Chloroethane	ND	2.0		µg/L	1	8/10/2004
Chloroform	ND	1.0		µg/L	1	8/10/2004
Chloromethane	ND	1.0		µg/L	1	8/10/2004
2-Chlorotoluene	ND	1.0		µg/L	1	8/10/2004
4-Chlorotoluene	ND	1.0		µg/L	1	8/10/2004
cis-1,2-DCE	ND	1.0		µg/L	1	8/10/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/10/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/10/2004
Dibromochloromethane	ND	1.0		µg/L	1	8/10/2004
Dibromomethane	ND	2.0		µg/L	1	8/10/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/10/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/10/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/10/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/10/2004
1,1-Dichloroethane	ND	1.0		µg/L	1	8/10/2004
1,1-Dichloroethene	ND	1.0		µg/L	1	8/10/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	8/10/2004

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

Hall Environmental Analysis Laboratory

Date: 25-Aug-04

CLIENT: Giant Refining Co
Lab Order: 0408038
Project: Well #4 SDWA/Iyanbito
Lab ID: 0408038-02

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,3-Dichloropropane	ND	1.0		µg/L	1	8/10/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	8/10/2004
1,1-Dichloropropene	ND	1.0		µg/L	1	8/10/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	8/10/2004
2-Hexanone	ND	10		µg/L	1	8/10/2004
Isopropylbenzene	ND	1.0		µg/L	1	8/10/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	8/10/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	8/10/2004
Methylene Chloride	ND	3.0		µg/L	1	8/10/2004
n-Butylbenzene	ND	1.0		µg/L	1	8/10/2004
n-Propylbenzene	ND	1.0		µg/L	1	8/10/2004
sec-Butylbenzene	ND	1.0		µg/L	1	8/10/2004
Styrene	ND	1.0		µg/L	1	8/10/2004
tert-Butylbenzene	ND	1.0		µg/L	1	8/10/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/10/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	8/10/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/10/2004
trans-1,2-DCE	ND	1.0		µg/L	1	8/10/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/10/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/10/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/10/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/10/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/10/2004
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/10/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	8/10/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/10/2004
Vinyl chloride	ND	1.0		µg/L	1	8/10/2004
Xylenes, Total	ND	1.0		µg/L	1	8/10/2004
Surr: 1,2-Dichloroethane-d4	104	70.6-124		%REC	1	8/10/2004
Surr: 4-Bromofluorobenzene	106	76.4-130		%REC	1	8/10/2004
Surr: Dibromofluoromethane	114	67.2-131		%REC	1	8/10/2004
Surr: Toluene-d8	99.5	82.1-123		%REC	1	8/10/2004

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



LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
 Project: Well 4 Iyanbito
 Lab ID: C04080305-001
 Client Sample ID: Well #4 (0408038-01)

Report Date: 08/23/04
 Collection Date: 08/04/04 15:00
 Date Received: 08/06/04
 Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
NON-METALS							
Cyanide, Total Automated	ND	mg/L		0.1		E335.3	08/12/04 11:56 eli-b
RADIONUCLIDES - TOTAL							
Radium 226	ND	pCi/L		2.5		E903.0	08/09/04 14:50 df
Radium 228	ND	pCi/L		2.5		E904.0	08/09/04 14:50 pj

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

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



ASSAIGAI ANALYTICAL LABORATORIES, INC.

4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

HALL ENVIRONMENTAL
attn: **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

Explanation of codes


B	analyte detected in Method Blank
E	result is estimated
H	analyzed out of hold time
N	tentatively identified compound
S	subcontracted
1-9	see footnote

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **HALL ENVIRONMENTAL**
Project: **WELL 4 LYANBITO**
Order: **0408106 HAL03** Receipt: **08-05-04**


Willa P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: **WELL #4**
Matrix: **AQUEOUS**

Collected: 08-04-04 15:00:00 By:

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0408106-01A		SM-9223B								
				By: DAW						
BT04216	BT.2004.588.13		E. coli, MMO/MUG	Absent	N/A	1	0		08-05-04	08-06-
BT04216	BT.2004.588.13		Total Coliform, MMO/MUG	Absent	N/A	1	0		08-05-04	08-06-

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Hall Environmental Analysis Laboratory

Date: 25-Aug-04

CLIENT: Giant Refining Co
 Work Order: 0408038
 Project: Well #4 SDWA/Iyanbito

QC SUMMARY REPORT
 Method Blank

Sample ID	MBLK	Batch ID:	R12686	Test Code:	E300	Units:	mg/L	Analysis Date	8/5/2004 10:18:34 AM	Prep Date						
Client ID:		Run ID:	LC_040805A	SeqNo:	294143											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride		ND		0.1												
Nitrogen, Nitrate (As N)		ND		0.1												

Sample ID	MBLK	Batch ID:	R12686	Test Code:	E300	Units:	mg/L	Analysis Date	8/5/2004 10:20:37 PM	Prep Date						
Client ID:		Run ID:	LC_040805A	SeqNo:	294187											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride		ND		0.1												
Nitrogen, Nitrate (As N)		ND		0.1												

Sample ID	MB-6258	Batch ID:	6258	Test Code:	E504.1	Units:	µg/L	Analysis Date	8/6/2004 9:56:00 AM	Prep Date	8/6/2004					
Client ID:		Run ID:	ECD(14A)_040806A	SeqNo:	294277											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane		ND		0.01												

8/21

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: Giant Refining Co
Work Order: 0408038
Project: Well #4 SDWA/Iyanbito

QC SUMMARY REPORT

Method Blank

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
MB-6260	6260	SW8080A	µg/L	8/24/2004 2:18:30 AM	8/6/2004						
Client ID:	Run ID:	SeqNo:									
	ECD(17A)_040822A	298794									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	1									
Aroclor 1221	ND	5									
Aroclor 1232	ND	1									
Aroclor 1242	ND	1									
Aroclor 1248	ND	1									
Aroclor 1254	ND	1									
Aroclor 1260	ND	1									
Surr: Decachlorobiphenyl	2.52	0	2.5	0	101	45.3	140	0			
Surr: Tetrachloro-m-xylene	1.72	0	2.5	0	68.8	28.1	139	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: Giant Refining Co
Work Order: 0408038
Project: Well #4 SDWA/Iyanbito

QC SUMMARY REPORT
 Method Blank

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
MB-6265	6265	SW8310	µg/L	8/21/2004 10:12:01 AM	8/9/2004						
Client ID:		Run ID:	HUGO_040820A	SeqNo:	298503						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.5									
1-Methylnaphthalene	ND	2.5									
2-Methylnaphthalene	ND	2.5									
Acenaphthylene	ND	2.5									
Acenaphthene	ND	2.5									
Fluorene	ND	0.8									
Phenanthrene	ND	0.6									
Anthracene	ND	0.6									
Fluoranthene	ND	0.3									
Pyrene	ND	0.3									
Benz(a)anthracene	ND	0.02									
Chrysene	ND	0.2									
Benzo(b)fluoranthene	ND	0.05									
Benzo(k)fluoranthene	ND	0.02									
Benzo(a)pyrene	ND	0.02									
Dibenz(a,h)anthracene	ND	0.04									
Benzo(g,h,i)perylene	ND	0.03									
Indeno(1,2,3-cd)pyrene	ND	0.08									
Surr: Benzo(e)pyrene	9.01	0	10	0	90.1	54	102	0			

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
MB-6267	6267	SW7470	mg/L	8/9/2004	8/9/2004						
Client ID:		Run ID:	MI-LA254_040809A	SeqNo:	295021						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.0002									

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

10/21

CLIENT: Giant Refining Co
Work Order: 0408038
Project: Well #4 SDWA/Iyanbito

QC SUMMARY REPORT
 Method Blank

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
MB	R12692	SW6010A	mg/L	8/6/2004 8:35:37 AM							
Client ID:		Run ID: ICP_040806A		SeqNo: 294294							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.02									
Barium	ND	0.002									
Cadmium	ND	0.002									
Chromium	ND	0.006									
Lead	ND	0.005									
Selenium	ND	0.05									
Silver	ND	0.005									
Uranium	ND	0.1									

11/21

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: 25-Aug-04

CLIENT: Giant Refining Co
 Work Order: 0408038
 Project: Well #4 SDWA/Iyanbito

QC SUMMARY REPORT

Method Blank

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
5ml rb	R12713	SW8260B	µg/L	8/9/2004							
Client ID:		Run ID: VAL_040809A		SeqNo: 295199							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1									
Toluene	ND	1									
Ethylbenzene	ND	1									
Methyl tert-butyl ether (MTBE)	ND	1									
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	ND	2									
2-Butanone	ND	10									
Carbon disulfide	ND	10									
Carbon Tetrachloride	ND	1									
Chlorobenzene	ND	1									
Chloroethane	ND	2									
Chloroform	ND	1									
Chloromethane	ND	1									
2-Chlorotoluene	ND	1									
4-Chlorotoluene	ND	1									
cis-1,2-DCE	ND	1									

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

12/21

CLIENT: Giant Refining Co
Work Order: 0408038
Project: Well #4 SDWA/Iyanbito

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	ND	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

13/21

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: Giant Refining Co
Work Order: 0408038
Project: Well #4 SDWA/Iyanbito

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	10.27	0	10	0	103	68.4	127	0	
Surr: 4-Bromofluorobenzene	10.23	0	10	0	102	70.4	126	0	
Surr: Dibromofluoromethane	10.91	0	10	0	109	70.2	126	0	
Surr: Toluene-d8	10.3	0	10	0	103	73.5	129	0	

14/21

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

Hall Environmental Analysis Laboratory

Date: 25-Aug-04

CLIENT: Giant Refining Co
 Work Order: 0408038
 Project: Well #4 SDWA/Iyanbito

QC SUMMARY REPORT
 Sample Duplicate

Sample ID	0408038-01D DUP	Batch ID:	6267	Test Code:	SW7470	Units:	mg/L	Analysis Date	8/9/2004	Prep Date	8/9/2004
Client ID:	Well #4	Run ID:	MI-LA254_040809A	SeqNo:	295024						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.0002	0	0	0	0	0	0	0		

Sample ID	0408038-01E DUP	Batch ID:	R12692	Test Code:	SW6010A	Units:	mg/L	Analysis Date	8/6/2004 10:21:16 AM	Prep Date	
Client ID:	Well #4	Run ID:	ICP_040806A	SeqNo:	294320						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.02	0	0	0	0	0	0	0	20	
Barium	0.01348	0.002	0	0	0	0	0	0.01352	0.264	20	
Cadmium	ND	0.002	0	0	0	0	0	0	0	20	
Chromium	ND	0.006	0	0	0	0	0	0	0	20	
Lead	ND	0.005	0	0	0	0	0	0	0	20	
Selenium	ND	0.05	0	0	0	0	0	0	0	20	
Silver	ND	0.005	0	0	0	0	0	0	0	20	
Uranium	ND	0.1	0	0	0	0	0	0	0	20	

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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: 25-Aug-04

CLIENT: Giant Refining Co
 Work Order: 0408038
 Project: Well #4 SDWA/Iyanbito

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID	LCS	Batch ID:	R12686	Test Code:	E300	Units:	mg/L	Analysis Date	8/5/2004 10:35:20 AM	Prep Date				
Client ID:		Run ID:	LC_040805A	SeqNo:	294144									
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride		0.4755		0.1	0.5	0		95.1	90	110	0			
Nitrogen, Nitrate (As N)		2.436		0.1	2.5	0		97.4	90	110	0			

Sample ID	LCS	Batch ID:	R12686	Test Code:	E300	Units:	mg/L	Analysis Date	8/5/2004 10:54:14 PM	Prep Date				
Client ID:		Run ID:	LC_040805A	SeqNo:	294189									
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride		0.4508		0.1	0.5	0		90.2	90	110	0			
Nitrogen, Nitrate (As N)		2.372		0.1	2.5	0		94.9	90	110	0			

Sample ID	LCS-6258	Batch ID:	6258	Test Code:	E504.1	Units:	µg/L	Analysis Date	8/6/2004 10:08:52 AM	Prep Date	8/6/2004			
Client ID:		Run ID:	ECD(14A)_040806A	SeqNo:	294278									
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane		0.077		0.01	0.1	0		77.0	70	130	0			

Sample ID	LCSD-6258	Batch ID:	6258	Test Code:	E504.1	Units:	µg/L	Analysis Date	8/6/2004 10:21:49 AM	Prep Date	8/6/2004			
Client ID:		Run ID:	ECD(14A)_040806A	SeqNo:	294279									
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane		0.072		0.01	0.1	0		72.0	70	130	0.077	6.71	13.5	

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

16/21

CLIENT: Giant Refining Co
Work Order: 0408038
Project: Well #4 SDWA/Iyanbito

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
LCS-6260	6260	SW8080A	µg/L	8/24/2004 3:05:02 AM	8/6/2004						
Client ID:		Run ID:	ECD(17A)_040822A	SeqNo:	298796						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	7.096	1	10	0	71.0	27.4	132	0			
Aroclor 1260	10.68	1	10	0	107	52.1	148	0			

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
LCSD-6260	6260	SW8080A	µg/L	8/24/2004 4:37:48 AM	8/6/2004						
Client ID:		Run ID:	ECD(17A)_040822A	SeqNo:	298801						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	7.658	1	10	0	76.6	27.4	132	7.096	7.62	45.7	
Aroclor 1260	11.08	1	10	0	111	52.1	148	10.68	3.64	30	

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
100ng lcs	R12713	SW8260B	µg/L	8/9/2004							
Client ID:		Run ID:	VAL_040809A	SeqNo:	295201						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	23.45	1	20	0	117	75.3	128	0			
Toluene	21.53	1	20	0	108	87.7	122	0			
Chlorobenzene	19.71	1	20	0	98.6	76.2	130	0			
1,1-Dichloroethene	19.25	1	20	0	96.3	70.7	122	0			
Trichloroethene (TCE)	20.92	1	20	0	105	76.9	130	0			

17/21

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: Giant Refining Co
Work Order: 0408038
Project: Well #4 SDWA/Iyanbito

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
LCS-6265	6265	SW8310	µg/L	8/21/2004 11:00:01 AM	8/9/2004						
Client ID:		Run ID:	HUGO_040820A	SeqNo:	298504						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	27.64	2.5	40	0	69.1	20.939	111.211	0			
1-Methylnaphthalene	28.12	2.5	40.1	0	70.1	22.016	110.385	0			
2-Methylnaphthalene	27.2	2.5	40	0	68.0	21.098	111.261	0			
Acenaphthylene	28.18	2.5	40.1	0	70.3	23.852	116.857	0			
Acenaphthene	28.22	2.5	40	0	70.6	27.524	111.73	0			
Fluorene	2.71	0.8	4.01	0	67.6	31.046	113.32	0			
Phenanthrene	1.51	0.6	2.01	0	75.1	42.279	115.749	0			
Anthracene	1.51	0.6	2.01	0	75.1	43.767	118.693	0			
Fluoranthene	3.25	0.3	4.01	0	81.0	55.334	117.461	0			
Pyrene	3.18	0.3	4.01	0	79.3	57.722	120.832	0			
Benz(a)anthracene	0.32	0.02	0.401	0	79.8	70.18	113.452	0			
Chrysene	1.57	0.2	2.01	0	78.1	43.942	141.404	0			
Benzo(b)fluoranthene	0.3	0.05	0.38	0	78.9	71.192	103.368	0			
Benzo(k)fluoranthene	0.21	0.02	0.25	0	84.0	75.336	107.209	0			
Benzo(a)pyrene	0.2	0.02	0.251	0	79.7	74.556	100.742	0			
Dibenz(a,h)anthracene	0.41	0.04	0.501	0	81.8	80.693	106.931	0			
Benzo(g,h,i)perylene	0.44	0.03	0.5	0	88.0	55.168	135.014	0			
Indeno(1,2,3-cd)pyrene	0.848	0.08	1.002	0	84.6	79.328	104.794	0			

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
LCS-6267	6267	SW7470	mg/L	8/9/2004	8/9/2004						
Client ID:		Run ID:	MI-LA254_040809A	SeqNo:	295022						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.004961	0.0002	0.005	0	99.2	75.2	134	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

18/21

CLIENT: Giant Refining Co
Work Order: 0408038
Project: Well #4 SDWA/Iyanbito

QC SUMMARY REPORT
 Laboratory Control Spike Duplicate

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
LCSD-6267	6267	SW7470	mg/L	8/9/2004	8/9/2004						
Client ID:		Run ID: MI-LA254_040809A		SeqNo: 295037							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00507	0.0002	0.005	0	101	75.2	134	0.004961	2.19	0	

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
LCS	R12692	SW6010A	mg/L	8/6/2004 8:38:30 AM							
Client ID:		Run ID: ICP_040806A		SeqNo: 294295							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5066	0.02	0.5	0	101	80	120	0			
Barium	0.4724	0.002	0.5	0	94.5	80	120	0			
Cadmium	0.4991	0.002	0.5	0	99.8	80	120	0			
Chromium	0.4786	0.006	0.5	0	95.7	80	120	0			
Lead	0.4877	0.005	0.5	0	97.5	80	120	0			
Selenium	0.5447	0.05	0.5	0	109	80	120	0			
Silver	0.4788	0.005	0.5	0	95.8	80	120	0			

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
LCSD	R12692	SW6010A	mg/L	8/6/2004 8:41:30 AM							
Client ID:		Run ID: ICP_040806A		SeqNo: 294296							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5037	0.02	0.5	0	101	80	120	0.5066	0.564	20	
Barium	0.4822	0.002	0.5	0	96.4	80	120	0.4724	2.06	20	
Cadmium	0.5077	0.002	0.5	0	102	80	120	0.4991	1.70	20	
Chromium	0.4859	0.006	0.5	0	97.2	80	120	0.4786	1.51	20	
Lead	0.4945	0.005	0.5	0	98.9	80	120	0.4877	1.39	20	
Selenium	0.5452	0.05	0.5	0	109	80	120	0.5447	0.0927	20	
Silver	0.4917	0.005	0.5	0	98.3	80	120	0.4788	2.67	20	

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

19/21

CLIENT: Giant Refining Co
Work Order: 0408038
Project: Well #4 SDWA/Iyanbito

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
LCS U	R12692	SW6010A	mg/L	8/6/2004 10:58:34 AM							
Client ID:		Run ID: ICP_040806A		SeqNo: 294330							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium	5.11	0.1	5	0	102	80	120	0			

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date						
LCSD U	R12692	SW6010A	mg/L	8/6/2004 11:01:27 AM							
Client ID:		Run ID: ICP_040806A		SeqNo: 294331							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium	5.131	0.1	5	0	103	80	120	5.11	0.414	20	

20/21

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 GIANTREFIN

Date and Time Received:

Work Order Number 0408038

Received by AMG

Checklist completed by

Bonzalis 08/05/04
Signature Date

Matrix

Carrier name Client drop-off

- | | | | | |
|---|---|------------------------------|--------------------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | Not Shipped <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Water - VOA vials have zero headspace? | No VOA vials submitted <input type="checkbox"/> | Yes <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> |
| Container/Temp Blank temperature? | 8° | 4° C ± 2 Acceptable | | If given sufficient time to cool. |

COMMENTS:

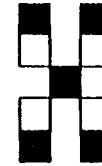
Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD



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: *Giant Refining Company - Ciniza*
 Address: *Rt 3 Box 7 Gallup, NM 87301*
 Project Name: *Well #4 SDWA/lyanbito*
 Project #: _____
 Project Manager: *[Signature]*
 Phone #: *505 722 3833*
 Fax #: _____
 Sampler: *[Signature]*
 Samples Cold?: Yes No *g.o*

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative		HEAL No.	BTEX + MTBE + TMBs (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B MOD (Gas/Diesel)	TPH (Method 418.1)	Volatiles Full List (8021)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Cations (Na, K, Ca, Mg)	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / PCB's (8082)	8260 (VOA)	8270 (Semi-VOA)	SDWA	Total coliform	Air Bubbles or Headspace (Y or N)	
					HgCl ₂	HCl																			
<i>8/4/04</i>	<i>1500</i>	<i>H₂O</i>	<i>Well #4 TB</i>				<i>0108028</i>																<i>X</i>	<i>X</i>	<i>Y</i>

Date: *8/5/04* Time: *1015* Relinquished By: (Signature) *[Signature]*
 Date: _____ Time: _____ Relinquished By: (Signature) _____
 Received By: (Signature) *[Signature]* Date: *08/05/04*
 Received By: (Signature) _____ Date: *10/15*

Remarks: *No pesticides or herbicides needed*