1R-426-220

REPORTS

DATE:

8-12-08

BD H-35 Boot

/R426-220

RECEIVED

MED IN MAR

Environmental Bureau Oil Conservation Division

Disclosure

RICE OPERATING COMPANY JUNCTION BOX DISCLOSURE* REPORT

BOX LOCATION

	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNT		IMENSIONS - FE							
Blinebry-Drinkard	Jct. H-35 boot	н	35	35 21S 37E Lea			Length mo	width oved 584 ft north	Depth						
<u> </u>		L	<u> </u>												
LAND TYPE: B	_M	STATE	. FEE LAI	NDOWNER _	Eva O	wen Esta	teOTHER		 						
Depth to Groun	dwater	44	feet	NMOCD	SITE ASS	ESSME	NT RANKING S	CORE: 4	40*						
					4/20/2006	00	D Witness	no							
Date Started	91291	2005	Date Col	npieteu	4/20/2006		OCD Witness no								
Soil Excavated	333	cubic ya	rds Exc	avation Ler	gth <u>30</u>	w	idth <u>25</u>	Depth 12	etfeet						
Soil Disposed	Ω	cubic va	rde Off	feite Facility	n	/a	Location	n/a							
2011 Disposed		cable ya	103 011	iono i donity _		<u> </u>									
		5,													
FINAL ANALYTI	CAL RE	SULTS:	Sample	Date	10/20/20)5	Sample De	pth1	2 ft						
Pro	cure 5-poi	nt composit	e sample of	bottom and	4-point con	nposite s	ample of sidew	alls. TPH,							
							pproved lab an								
			procedures	pursuant to I	MOCD gu	iidelines.	•								
Sample	Benze	ne Tolue	ne Ethyl Ben	zene Total Xyle	ies Gl	₹0	DRO	Chlorides	7						
Location	mg/k	g mg/k	g mg/k	g mg/kg	mg	/kg	mg/kg	mg/kg	4						
SOURCE 14 ft GRA	3,05			47.9		50	4000	817	-						
) = 79.9 (field)		0.0	47.7 984	180 958	-							
4-WALL COMP.	0.961) l 371					307	1 950	4						
ВОТТОМ СОМР.	0.962			10.04		31	683	712	1						
	0.962) = 627 (field)	10.04		31	683	712	ز						
BOTTOM COMP. BACKFILL		PI) = 627 (field)	n was address	20			712 RIDE FIELD TE	j sts						
BOTTOM COMP. BACKFILL General Description of	Remedial	Pil Action:	C = 627 (field) This junction	n was address	20 ed under th			!	STS						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up	Remedial	Pil Action: am. A new,	This junction	n was address	ed under the			!	7						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme	Remedial grade progra	Pil Action: am. A new, former box	This junction watertight jur	n was address nction box war , an investiga	ed under the installed		CHLOR	RIDE FIELD TE	7						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back	Remedial grade prograte. After the noe to collect	Pit Action: am. A new, former box v at soil sample	This junction watertight junction was removed es at regular	n was address action box was , an investiga intervals prod	ed under the installed lion was ucing a		CHLOR	DEPTH	mg/kg						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back 30x25x12-ft-deep hole.	Remedial grade progra. After the noe to collect Chloride fiel	Pit Action: am. A new, former box v at soil sample d tests were	This junction watertight jun was removed es at regular performed o	n was address nction box war , an investiga intervals prod n each sampl	ed under the installed cion was ucing a e, yielding		CHLOR LOCATION source grab	DEPTH	mg/kg 514 545						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back 30x25x12-ft-deep hole. chloride levels that did not acknowledge to the conducted using a back 30x25x12-ft-deep hole.	Remedial grade progra. After the noe to collect Chloride fiel of relent with	Pill Action: am. A new, former box v at soil sample d tests were	This junction watertight jurwas removed es at regular performed o ganic vapors	n was address nction box war , an investiga intervals prod n each sampl were measur	ed under the installed ion was ucing a e, yielding and using a	e	CHLOR LOCATION source grab 4-wall comp.	DEPTH 14' n/a	mg/kg 514 545						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back 30x25x12-ft-deep hole. Chloride levels that did no PID, which yielded elevar	Remedial grade prograte. After the noe to collect Chloride fiel of relent with ted levels.	Action: am. A new, former box v at soil sample d tests were n depth. Org	This junction watertight jun was removed es at regular performed o ganic vapors ive composition	n was address nction box was , an investiga intervals prod n each sampl were measur e samples we	ed under the sinstalled sion was ucing a e, yielding and using a re-collected	e	CHLOR LOCATION source grab 4-wall comp. bottom comp.	DEPTH 14' n/a 12'	mg/kg 514 545 1298						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back 30x25x12-ft-deep hole. Chloride levels that did no PID, which yielded eleval and sent to a commercia	Remedial grade prograte. After the noe to collect Chloride fiel of relent with ted levels.	Action: am. A new, former box v at soil sample d tests were h depth. Ore Representat for analysis	This junction watertight jun was removed es at regular performed o ganic vapors ive composite of chloride, 1	n was address nction box war , an investiga intervals prod n each sampl were measur e samples we	ed under the sinstalled sion was ucing a e, yielding ad using a re collected X. The	e	CHLOR LOCATION source grab 4-wall comp. bottom comp.	DEPTH 14' n/a 12' n/a	mg/kg 514 545 1298 609						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back 30x25x12-ft-deep hole. Chloride levels that did nearly by the pipeline replacement of the pipeline representation of the pipelin	Remedial grade progra. After the noe to collect Chloride fiel of relent with ted levels. Il laboratory led on-site a	Action: am. A new, former box v at soil sample d tests were h depth. Ore Representat for analysis and returned	This junction watertight junwas removed es at regular performed o ganic vapors ive composite of chloride, To the excav	n was address nation box war , an investiga intervals prod n each sampl were measur e samples we PH, and BTE ation up to 6	ed under the sinstalled sion was ucing a se, yielding a re collected X. The the below	e	CHLOR LOCATION source grab 4-wall comp. bottom comp.	DEPTH 14' n/a 12' n/a 1'	mg/kg 514 545 1298 609 47						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back 30x25x12-ft-deep hole. Chloride levels that did north pipeline replacement to a commercial excavated soil was blenut ground surface. At 6-5 ft	Remedial grade programment. After the noe to collect Chloride fiel to trelent with ted levels. Il laboratory led on-site at BGS, a 1-f	Action: am. A new, former box wat soil sample d tests were in depth. Or Representat for analysis and returned t-thick clay t	This junction watertight junwas removed es at regular performed organic vapors ive composite of chloride, I to the excave	n was address action box was, an investiga intervals produced in each sample were measure a samples were TPH, and BTE ation up to 6 stalled. The residual re	ed under the sinstalled sion was ucing a e, yielding are collected X. The thelow emaining fill	e	CHLOR LOCATION source grab 4-wall comp. bottom comp.	DEPTH 14' n/a 12' n/a 1' 2'	mg/kg 514 545 1298 609 47 58						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back 30x25x12-ft-deep hole. Chloride levels that did no PID, which yielded eleval and sent to a commercial excavated soil was blent ground surface. At 6-5 ft was used to backfill the	Remedial grade prograte. After the noe to collect Chloride fiel of relent with ted levels. Il laboratory led on-site at BGS, a 1-fexcavation a	Action: am. A new, former box v at soil sample d tests were n depth. Or Representat for analysis and returned t-thick clay t and to contor	This junction watertight junction was removed es at regular performed organic vapors live composite of chloride, I to the excavoarrier was insured to the surrous to the surrous arrier was insured to the surrous arrier to the surrous arrier was insured to the surrous arrier was arrier was arrier was a surrous arrous a surrous arrows a surrous arrows a surrous arrows a surro	n was address action box was, an investiga intervals produced in each sample were measure a samples were TPH, and BTE ation up to 6 stalled. The residual re	ed under the sinstalled sion was ucing a e, yielding are collected X. The thelow emaining fill	e	CHLOR LOCATION source grab 4-wall comp. bottom comp. backfill comp.	DEPTH 14' n/a 12' n/a 1' 2' 3'	mg/kg 514 545 1298 609 47 58						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back 30x25x12-ft-deep hole. chloride levels that did north of the commercial excavated soil was blend ground surface. At 6-5 ft was used to backfill the notified of potential ground.	Remedial grade prograte. After the moe to collect Chloride fiel of relent with ted levels. Il laboratory led on-site at BGS, a 1-fexcavation andwater imp	Action: am. A new, former box v at soil sample d tests were h depth. Ore Representat for analysis and returned t-thick clay t and to contor act on 8/11/	This junction watertight junction was removed es at regular performed o ganic vapors live composition of chloride, To the excave parrier was insured to the surrous to the surrous construction of the	n was address action box war, an investiga intervals produced in each sample were measure samples were TPH, and BTE ation up to 6 stalled. The rounding area.	ed under the sinstalled sion was ucing a e, yielding are collected X. The thelow emaining fill NMOCD w	e	CHLOR LOCATION source grab 4-wall comp. bottom comp. backfill comp.	DEPTH 14' n/a 12' n/a 1' 2' 3' 4'	mg/kg 514 545 1298 609 47 58 59						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back 30x25x12-ft-deep hole. Chloride levels that did nearly being and sent to a commercial excavated soil was blenut of the province of potential ground surface. At 6-5 ft was used to backfill the motified of potential ground come inactive stock well	Remedial grade progra. After the noe to collect Chloride fiel of relent with ted levels. Il laboratory led on-site at BGS, a 1-fexcavation andwater imp	Action: am. A new, former box v at soil sample d tests were h depth. Ore Representat for analysis and returned t-thick clay t and to conton act on 8/11/ from site ai	This junction watertight junwas removed es at regular performed organic vapors ive composition of chloride, To the excavorarrier was incurt to the surrous and housing waterior was incured to the surrous and housing waterior was a surrous and h	n was address action box war, an investiga intervals produced in each sample were measure samples were TPH, and BTE ation up to 6 stalled. The rounding area.	ed under the sinstalled sion was ucing a e, yielding ed using a re collected X. The it below emaining fill NMOCD w. s.	e	CHLOR LOCATION source grab 4-wall comp. bottom comp. backfill comp. vertical delineation	DEPTH 14' n/a 12' n/a 1' 2' 3' 4' 5'	mg/kg 514 545 1298 609 47 58 59 128 195						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back 30x25x12-ft-deep hole. Chloride levels that did nearly being and sent to a commercial excavated soil was blenut of the province of potential ground surface. At 6-5 ft was used to backfill the motified of potential ground come inactive stock well	Remedial grade progra. After the noe to collect Chloride fiel of relent with ted levels. Il laboratory led on-site at BGS, a 1-fexcavation andwater imp	Action: am. A new, former box v at soil sample d tests were h depth. Ore Representat for analysis and returned t-thick clay t and to conton act on 8/11/ from site ai	This junction watertight junwas removed es at regular performed organic vapors ive composition of chloride, To the excavorarrier was incurt to the surrous and housing waterior was incured to the surrous and housing waterior was a surrous and h	n was address notion box war, an investiga intervals produced in each sample were measure samples we TPH, and BTE ation up to 6 stalled. The repunding area.	ed under the sinstalled sion was ucing a e, yielding ed using a re collected X. The it below emaining fill NMOCD w. s.	e	CHLOR LOCATION source grab 4-wall comp. bottom comp. backfill comp. vertical delineation trench 10 ft north of junction	DEPTH 14' n/a 12' n/a 1' 2' 3' 4' 5' 6'	mg/kg 514 545 1298 609 47 58 59 128 195						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back 30x25x12-ft-deep hole. Chloride levels that did nearly being and sent to a commercial excavated soil was blenut of the province of potential ground surface. At 6-5 ft was used to backfill the motified of potential ground come inactive stock well	Remedial grade progra. After the noe to collect Chloride fiel of relent with ted levels. Il laboratory led on-site at BGS, a 1-fexcavation andwater imp	Action: am. A new, former box v at soil sample d tests were h depth. Ore Representat for analysis and returned t-thick clay t and to conton act on 8/11/ from site ai	This junction watertight junwas removed es at regular performed organic vapors ive composition of chloride, To the excavorarrier was incurt to the surrous and housing waterior was incured to the surrous and housing waterior was a surrous and housing waterior was a surrous and housing waterior was a sur	n was address notion box war, an investiga intervals produced in each sample were measure samples we TPH, and BTE ation up to 6 stalled. The repunding area.	ed under the sinstalled sion was ucing a e, yielding ed using a re collected X. The it below emaining fill NMOCD w. s.	e	CHLOR LOCATION source grab 4-wall comp. bottom comp. backfill comp. vertical delineation trench 10 ft north of	DEPTH 14' n/a 12' n/a 1' 2' 3' 4' 5' 6' 7'	mg/kg 514 545 1298 609 47 58 59 128 195 712 312 684						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back 30x25x12-ft-deep hole. Chloride levels that did nearly being and sent to a commercial excavated soil was blenut of the province of potential ground surface. At 6-5 ft was used to backfill the motified of potential ground come inactive stock well	Remedial grade progra. After the noe to collect Chloride fiel of relent with ted levels. Il laboratory led on-site at BGS, a 1-fexcavation andwater imp	Action: am. A new, former box v at soil sample d tests were h depth. Ore Representat for analysis and returned t-thick clay t and to conton act on 8/11/ from site ai	This junction watertight junwas removed es at regular performed organic vapors ive composition of chloride, To the excavorarrier was incurt to the surrous and housing waterior was incured to the surrous and housing waterior was a surrous and housing waterior was a surrous and housing waterior was a sur	n was address notion box war, an investiga intervals produced in each sample were measure samples we TPH, and BTE ation up to 6 stalled. The repunding area.	ed under the sinstalled sion was ucing a e, yielding ed using a re collected X. The it below emaining fill NMOCD w. s.	e	CHLOR LOCATION source grab 4-wall comp. bottom comp. backfill comp. vertical delineation trench 10 ft north of junction	DEPTH 14' n/a 12' n/a 1' 2' 3' 4' 5' 6' 7' 8'	mg/kg 514 545 1298 609 47 58 59 128 195 712 312 684 771						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back 30x25x12-ft-deep hole. Chloride levels that did nearly being and sent to a commercial excavated soil was blenut of the province of potential ground surface. At 6-5 ft was used to backfill the motified of potential ground come inactive stock well	Remedial grade progra. After the noe to collect Chloride fiel of relent with ted levels. Il laboratory led on-site at BGS, a 1-fexcavation andwater imp	Action: am. A new, former box v at soil sample d tests were n depth. Or Representat for analysis and returned t-thick clay t and to contor act on 8/11/ o from site an	This junction watertight junwas removed es at regular performed organic vapors ive composite of chloride, 1 to the excavorarrier was insured to the surround the surro	n was address notion box war, an investiga intervals produced in each sample were measure samples we TPH, and BTE ation up to 6 stalled. The repunding area.	ed under the sinstalled sion was ucing a e, yielding are collected X. The t below emaining fill NMOCD w.s.	e as	CHLOR LOCATION source grab 4-wall comp. bottom comp. backfill comp. vertical delineation trench 10 ft north of junction	DEPTH 14' n/a 12' n/a 1' 2' 3' 4' 5' 6' 7' 8' 9'	mg/kg 514 545 1298 609 47 58 59 128 195 712 312 684 771 502						
BOTTOM COMP. BACKFILL General Description of pipeline replacement/up 584 ft north of the forme conducted using a back 30x25x12-ft-deep hole. chloride levels that did nearly between the commercial excavated soil was blenut of the commercial excavated soil was blenut of the condition of potential group of the condition of the cond	Remedial grade progra. After the noe to collect Chloride fiel of relent with ted levels. Il laboratory led on-site at BGS, a 1-fexcavation andwater imp	Action: am. A new, former box v at soil sample d tests were h depth. Ore Representat for analysis and returned t-thick clay t and to conton act on 8/11/ o from site ai ALUATION enclo	This junction watertight junction watertight junction was removed es at regular performed organic vapors live composition of chloride, To the excavorarrier was incur to the surround housing warning was incured by the composition of the surround the surround the surround housing was and housing warning was incured by the composition of the surround the surround housing was and housing was a surround the surround housing was a surround the surround the surround housing was a surround the surround	n was address action box war, an investiga intervals produced in each sample were measure samples were repeated. The reputation up to 6 stalled. The reputation area.	ed under the sinstalled sion was ucing a e, yielding are collected X. The thelow emaining fill NMOCD was s.	as	CHLOR LOCATION source grab 4-wall comp. bottom comp. backfill comp. vertical delineation trench 10 ft north of junction	DEPTH 14' n/a 12' n/a 1' 2' 3' 4' 5' 6' 7' 8'	mg/kg 514 545 1298 609 47 58 59 128 195 712 312 684 771						

*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.



undisturbed junction box, facing north





BD Jct. H-35 boot Unit H, Section 35, T21S, R37E

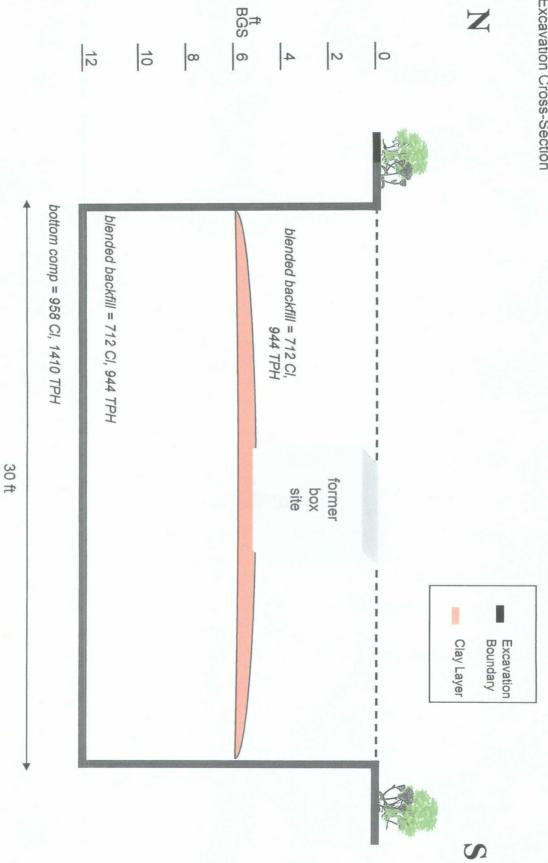


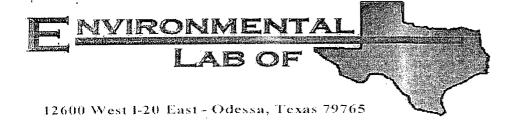
excavation, facing north

10/20/2005



Excavation Cross-Section







Analytical Report

Prepared for:

Roy Rascon
Rice Operating Co.
122 W. Taylor
Hobbs, NM 88240

Project: BD Jct. H-35
Project Number: None Given
Location: None Given

Lab Order Number: 5J03006

Report Date: 10/11/05

Project Number: BD Jct. H-35 Project Number: None Given Project Manager: Roy Rascon Fax: (505) 397-1471
Reported:

Reported: 10/11/05 12:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Vert. @ Source @ 14'	5J03006-01	Soil	09/30/05 11:00	09/30/05 17:45



Project: BD Jct. H-35 Project Number: None Given

Project Manager: Roy Rascon

Fax: (505) 397-1471 Reported: 10/11/05 12:39

Organics by GC **Environmental Lab of Texas**



Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vert. @ Source @ 14' (5J03006-01) Se	oil								
Benzene	3.05	0.200	mg/kg dry	200	EJ50306	10/03/05	10/04/05	EPA 8021B	
Toluene	13.5	0.200	п	+1	**	II	п	H	
Ethylbenzene	17.5	0.200	n	n	It	11	н	H	
Xylenc (p/m)	33.9	0.200	п	**	n	II.	0	31	
Xylene (o)	14.0	0.200	"	41		11	н	u	
Surrogate: a,a,a-Trifluorotoluene		137 %	80-1	20	п	"	11	"	S-04
Surrogate: 4-Bromofluorobenzene		125 %	80-1	20	"	"	"	"	S-04
Gasoline Range Organics C6-C12	1850	10.0	mg/kg dry	1	EJ50309	10/03/05	10/04/05	EPA 8015M	
Diesel Range Organics >C12-C35	4000	10.0	11	n	II	11	ıı	**	
Total Hydrocarbon C6-C35	5850	10.0	n .	п	п	II.	u	10	•
Surrogate: 1-Chlorooctane		119 %	70-1	30	11	"	"	11	
Surrogate: 1-Chlorooctadecane		118 %	70-1	30	"	n	"	,,	

Project: BD Jct. H-35

Project Number: None Given Project Manager: Roy Rascon Fax: (505) 397-1471

Reported: 10/11/05 12:39

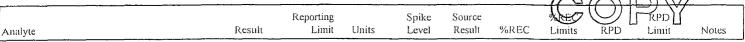
General Chemistry Parameters by EPA / Standard Methods **Environmental Lab of Texas**

·	COPY								
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vert. @ Source @ 14' (5J03000	5-01) Soil								
Chloride % Moisture	817 . 12.4	10.0 0.1	mg/kg %	20 1	EJ50605 EJ50404	10/05/05 10/03/05	10/06/05	EPA 300.0 % calculation	

Project: BD Jct. H-35 Project Number: None Given Project Manager: Roy Rascon

Fax: (505) 397-1471 Reported: 10/11/05 12:39

Organics by GC - Quality Control



Blank (EJ50306-BLK1)	Prepared & Analyzed: 10/03/05											
Benzene	ND	0.0250	mg/kg wet									
Toluene	ND	0.0250	lr .									
Ethylbenzene	ND	0.0250	n									
Xylenc (p/m)	ND	0.0250	u				•					
Xylene (o)	ŃD	0.0250	п									
Surrogate: a,a,a-Trifluorotoluene	38.7		ug/kg	40.0		96.8	80-120					
Surrogate: 4-Bromofluorobenzene	37.4		"	40.0		93.5	80-120					
LCS (EJ50306-BS1)				Prepared &	& Analyz	ed: 10/03/0	05					
Benzene	0.0534	0.00100	mg/kg wet	0.0500		107	80-120					
oluene	0.0533	0.00100	II	0.0500		107	80-120					
thylbenzene	0.0593	0.00100	0	0.0500		119	80-120					
(ylene (p/m)	0.109	0.00100	и	0.100		109	80-120					
ylene (o)	0.0595	0.00100	11	0.0500		119	80-120					
urrogate: a.a,a-Trifluorotoluene	41.1		ug/kg	40.0		103	80-120					
rrogate: 4-Bromofluorobenzene	43.5		"	40.0		109	80-120					
alibration Check (EJ50306-CCV1)				Prepared:	10/03/05	Analyzed	: 10/04/05					
Benzene	49.6		ug/kg	50.0		99.2	80-120					
oluene	48.9		U	50.0		97.8	80-120					
thylbenzene	54.7		IJ	50.0		109	80-120					
ylene (p/m)	102		II	100		102	80-120					
ylene (o)	57.7		11	50.0		115	80-120					
urrogate: a,a,a-Trifluorotoluene	38.4	·	"	40.0		96.0	0-200					
urrogate: 4-Bromofluorobenzene	39.7		11	40.0		99.2	0-200					
1atrix Spike (EJ50306-MS1)	Sou	ırce: 5I3000	04-02	Prepared:	10/03/05	Analyzed	: 10/04/05					
Benzene	0.0525	0.00100	mg/kg dry	0.0524	ND	100	80-120					
oluene	0.0523	0.00100	n	0.0524	ND	99.8	80-120					
hylbenzene	0.0571	0.00100	н	0.0524	ND	109	80-120					
ylenc (p/m)	0.106	0.00100	n	0.105	ND	101	80-120					
ylene (o)	0.0563	0.00100	II	0.0524	ND	107	80-120					
nrogate: a.a.a-Trifluorotoluene	38.6		ug/kg	40:0		96.5	80-120					
urrogate: 4-Bromofluorobenzene	34.3		"	40.0		85.8	80-120					

Project: BD Jct. H-35 Project Number: None Given Project Manager: Roy Rascon

Fax: (505) 397-1471 Reported: 10/11/05 12:39

Organics by GC - Quality Control **Environmental Lab of Texas**



Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ50306 - EPA 5030C (GC)									·	
Matrix Spike Dup (EJ50306-MSD1)	Soi	ırce: 51300	04-02	Prepared:	10/03/05	Analyzed	: 10/04/05			
Benzene	0.0603	0.00100	mg/kg dry	0.0524	ND	115	80-120	14.0	20	
Toluene	0.0601	0.00100	"	0.0524	ND	115	80-120	14.2	20	
Ethylbenzene	0.0626	0.00100	lt.	0.0524	ND	119	80-120	8.77	20	
Xylene (p/m)	0.118	0.00100	ti .	0.105	ND	112	80-120	10.3	20	
Xylene (o)	0.0620	0.00100	D	0.0524	ND	118	80-120	9.78	20	
Surrogate: a,a,a-Trifluorotoluene	45.9		ug/kg	40.0		115	80-120			
Surrogate: 4-Bromofluorobenzene	42.0		"	40.0		105	80-120			
Batch EJ50309 - Solvent Extraction	(GC)									
Blank (EJ50309-BLK1)				Prepared:	10/03/05	Analyzed	: 10/04/05			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet					**************	·	
Diesel Range Organics >C12-C35	ND	10.0	п							
Total Hydrocarbon C6-C35	ND	10.0	n							
Surrogate: 1-Chlorooctane	40.3		mg/kg	50.0		80.6	70-130			and the second second second
Surrogate: 1-Chlorooctadecane	48.6		,,	50.0		97.2	70-130			
LCS (EJ50309-BS1)				Prepared:	10/03/05	Analyzed	: 10/04/05			
Gasoline Range Organics C6-C12	400	10.0	mg/kg wet	500		80.0	75-125			
Diesel Range Organics >C12-C35	420	10.0	ii	500		84.0	75-125			
Total Hydrocarbon C6-C35	820	10.0	11	1000		82.0	75-125			
Surrogate: 1-Chlorooctane	52.7		mg/kg	50.0		1 ()5	70-130			
Surrogate: 1-Chlorooctadecane	53.1		<i>"</i>	50.0		106	70-130			
Calibration Check (EJ50309-CCV1)				Prepared:	10/03/05	Analyzed	: 10/04/05			
Gasoline Range Organics C6-C12	414		mg/kg	500		82.8	80-120			
Diesel Range Organics >C12-C35	453		II .	500		90.6	80-120			
Total Hydrocarbon C6-C35	867		н	1000		86.7	80-120			
Surrogate: 1-Chlorooctane	48.2		n	50.0	·	96.4	0-200			
Surrogate: 1-Chlorooctadecane	48.5		"	50.0		97.0	0-200			

Project: BD Jct. H-35

Project Number: None Given Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported: 10/11/05 12:39

Organics by GC - Quality Control

Environmental Lab of Tex

		Reporting		Spike	Source		_		RPD	— Ц
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
[, t										

7 mary to						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				, , , , ,
Batch EJ50309 - Solvent Extraction (GC)									
Matrix Spike (EJ50309-MS1)	Sour	Source: 5J03018-03			10/03/05	Analyzed:	10/04/05			
Gasoline Range Organics C6-C12	515	10.0	mg/kg dry	652	ND	79.0	75-125			
Diesel Range Organics >C12-C35	573	10.0	н	652	ND	87.9	75-125			
Total Hydrocarbon C6-C35	1090	10.0	n	1300	ND	83.8	75-125			
Surrogate: 1-Chlorooctane	54.8		mg/kg	50.0		110	70-130			
Surrogate: 1-Chlorooctadecane	60.4		n .	50.0		121	70-130			
Matrix Spike Dup (EJ50309-MSD1)	Sour	ce: 5J030	18-03	Prepared:	10/03/05	Analyzed:	10/04/05			
Gasoline Range Organics C6-C12	519	10.0	mg/kg dry	652	ND	79.6	75-125	0.774	20	
Diesel Range Organics >C12-C35	557	10.0	**	652	ND	85.4	75-125	2.83	20	
Total Hydrocarbon C6-C35	1080	10.0	H	1300	ND	83.1	75-125	0.922	20	
Surrogate: 1-Chlorooctane	53.3		mg/kg	50.0		107	70-130			***************************************
Surrogate: 1-Chlorooctadecane	58.1		**	50.0		116	70-130			

Chloride

Project: BD Jct. H-35 Project Number: None Given

Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported: 10/11/05 12:39

General Chemistry Parameters by EPA / Standard Methods - Quality Control

	Environmental Lab of Texas										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD_	KPD Limit	Notes	
Batch EJ50404 - General Preparation	(Prep)										
Blank (EJ50404-BLK1)				Prepared:	10/03/05	Analyzed:	10/04/05				
% Solids	100		%							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Duplicate (EJ50404-DUP1)	Sou	ırce: 5J0300	5-01	Prepared:	10/03/05	Analyzed:	10/04/05				
% Solids	91.3		%		92.1			0.872	20	ALCOHOL STREET	
Batch EJ50605 - Water Extraction											
Blank (EJ50605-BLK1)				Prepared:	10/05/05	Analyzed:	10/06/05				
Chloride	ND	0.500	mg/kg								
LCS (EJ50605-BS1)				Prepared:	10/05/05	Analyzed:	10/06/05				
Chloride	8.93		mg/L	10.0		89.3	80-120				
Calibration Check (EJ50605-CCV1)				Prepared:	10/05/05	Analyzed:	10/06/05				
Chloride	9.42		mg/L	10.0		94.2	80-120				
Duplicate (EJ50605-DUP1)	Sou	ırce: 5J0301	Prepared:	10/05/05	Analyzed:	10/06/05					

25.0

mg/kg

315

4.55

20

Project: BD Jct. H-35 Project Number: None Given

Fax: (505) 397-1471

Reported: 10/11/05 12:39

Notes and Definitions

Project Manager: Roy Rascon

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect S-04

DET Analyte DETECTED

Analyte NOT DETECTED at or above the reporting limit ND

Not Reported NR

Sample results reported on a dry weight basis dry

Relative Percent Difference RPD

LCS Laboratory Control Spike

Matrix Spike MS

Duplicate Dup

Report Approved By: Kala ar 3

10-12-05

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

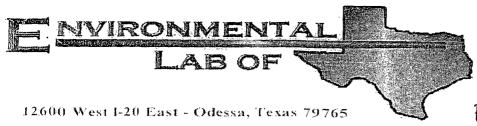
This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

	•						П		<u> </u>	eiuberio2-e19) TAT H2UF	1	<u> </u>	<u> </u>								7				S S S S S S S S S S S S S S S S S S S
-	1	,																			ra ·			 3	
	CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST	12					1 }				 	1	!						-		0			1102 glass 11/1022(+166)	
	REO	$\dot{\mathcal{L}}$					1 -				 	-							 					tloz glass w/tabett	ì
	SIS	11									1										2 TL	in	بل ن	<u>.</u>	Š
	JALY	1-					Analyze For	\forall		91EX 80218/5030		-						<u>.</u>			Sample Containers Infact? Temperature Upon Recent	ent	٥	3	ć
	D A k	(2)					Inalyz			zelibsiovime2	<u> </u>	<u> </u>									ne is	Comment	Ŋ	Λ.7 Ω,	٥
	AN	1					12		<u> </u>	ssinavV	!								_	<u> </u>	and a	υ No	Sec.	<u>8</u>	
	ORD	\bigcirc						1	1 Se	Metals: As Ag Ba Cd Cr Pb Hg	<u> </u>		<u> </u>	-					<u> </u>	1	G CE	0	Q.	Ö.	J
	REC	120	'.]					TOTAL:		ORO/ORO METON HAT	1>	 		1				<u> </u>	l l		enic	Labora	•	V	j
	λOΥ	ame	Pioject #:	Project Loc:	PO #:		11	· =	-	1.91± H9T 3001/201 XT H9T	-	-	<u> </u>							!	l distance	1	*•••••••••••••••••••••••••••••••••••••	<u></u>	
	ISTC	of N	o o o o	jecl	-				-	TOT I BAR (CO) ROT	abla		-					<u> </u>	<u>'</u>	<u> </u>			Time 7.64	Thms (74.5)	1
	FCL	Project Mame:	-	Pro			<u> </u>		\vdash	Citier (specify).		İ	Ì			Ì	-				1	- {			
	Ŏ N	D.							Ľ	lios	1	İ				i							(A)	Date G. S. C. S.	Ş
	SHAL					•			Matrix	Agibul2													Date	e S	
	0	}	j							Valer												ľ			
	^					-				Ctiner (Spectify)	1				1					1		-		**	7
	\supset					=				anoM	 	<u> </u>	<u> </u>					<u> </u>		<u> </u>	1				
									Preservative	FOS-H	!	 						<u> </u>			1				
	[O]	,				6	1		esel	HOEN	-	 	<u> </u>						-		1				
,		7				ω			ā	HCI HNO ²	1	-				\dashv					1	-	•		
(()									931 OME:	-	-	-						-	 	İ				
		ļ				0				No. of Containers						T					1)		1
((_((1 .		}		1	1							<u>'</u>	-	1		L		3
			·			Fак Na:					00												5		
				.		ű				baldma2 amīī	1.3				}			,				1	De	- 3	1
			ļ	-	Ī						-													ō 🖫	
								•	F		12												W &	Э. Н	2
									}	baldms2 ajs0	0-0													aived by BLOT.	
					9				İ		9-30-0												Received by:	Recaived to	1
December 1			لے	1	75				-		16	<u> </u>										-		1 1	4
/D			preating	· . Ì	386																		7:45	Time 7.45	
ď	800 7.13	g	- 1	ONTON	2		2																= <u>;</u>	F. 1	
\times	Plione: 915-563-1800 Fax: 915-563-1713	Rascon	ੋਰ	7		1393-9174	LEOSTAN NO															-			4
H	15-51 15-5	S	7	. 9	Hobbs, NM	- - - - - - - - - -					1												9-30-05	Date S	
-	எ எ	\sim			1	20	6			HELD CODE	19					- 1					1		Date (ري _ت ي ا	7
_	frone: Fax:)			- H.				. o	0					.						-		7	7
	ď		-11	192 M.	à	W /			į	ᇤ	40	1													
) Jan	RICE	\ \d	9	77					& Scupel					1					-		Z		
undin		(X	M	<u> </u>	1	SO	4				50												ζ,	\ \	
÷ 0			i			1 1/2	<				1	1	Ì			l							PJ CON	2	\
E		3ger:	Jame	633	/Zlp:	20 7	1 1 1				VERY.				İ								Ch	7	1
1){	st 53	Man	ny A	Addı	State	hon	igna				<u> </u>	1									is.		X	١٠٠٧	1
_) Ea. 797('Project Manager:	Соппряпу Магпе	Company Address:	Clty/State/Zlp:_	Telephone No:	Sampler Signature:		200000	7	Ō										flori			1	4
Ö	11-2(xas	.Proj	ပိ	omp	Ç	-	amp														true			d by	1
Environmental Lab of Texas	12600 West I-20 East Odessa, Texas 79763	•		ũ			ம்			CAST AND STATE OF THE STATE OF											Special instructions:	-	Relinquished by:	Relinguished by	1
سَعَ	600 l									X 18	1)ecír			elinq	1
	2 0 0									77.7 E	Ī										Š		<u> </u>	D,	1

Environmental Lab of Texas Variance / Corrective Action Report – Sample Log-In

Date/Time:	R. C. C.					
Sample Receipt Checklist Temperature of container/cooler?	Client: Rice Operating					
Sample, Receipt Checklist	Date/Time: 09-30-05 @ 1745					
Sample Receipt Checklist Comparature of container/cooler? Yes No -2.0 C	Order #: 5 J 0 3 0 0 6		(COP		
Semperature of container/cooler? Yes No						
Semperature of container/cooler? Yes No	Sample Receip	t Checkli	st			
Dustody Seals intact on shipping container/cooler? Dustody Seals intact on sample bottles? Class of Seals intact on sample bottles? Class of Seals intact on sample bottles? Class of Seals intact on sample bottles? Class of Seals intact on sample bottles? Class of Seals intact on sample seals of Seals o				-2.0	C	
Custody Seals intact on sample bottles? Chain of custody present? Chain of custody present? Chain of custody signed when relinquished and received? Chain of custody signed when relinquished and received? Chain of custody signed when relinquished and received? Chain of custody signed when relinquished and received? Chain of custody agrees with sample label(s) Container labels legible and intact? Camples In proper container/bottle? Samples in proper container/bottle? Samples properly preserved? Camples properly preserved? Containers documented on Chain of Custody? Containers	Shipping container/cooler in good condition?	(Yes)	No			
Custody Seals intact on sample bottles? Chain of custody present? Chain of custody present? Chain of custody signed when relinquished and received? Chain of custody signed when relinquished and received? Chain of custody signed when relinquished and received? Chain of custody signed when relinquished and received? Chain of custody agrees with sample label(s) Container labels legible and intact? Camples In proper container/bottle? Samples in proper container/bottle? Samples properly preserved? Camples properly preserved? Containers documented on Chain of Custody? Containers		(Yes)	No	Not presen	t	
Chain of custody present? Aample Instructions complete on Chain of Custody? Chain of Custody signed when relinquished and received? Chain of Custody agrees with sample label(s) Container labels legible and intact? Container labels legible and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact? Complete and intact and intac		Yes	No	Not presen	t	
Chain of Custody signed when relinquished and received? Chain of custody agrees with sample label(s) Container labels legible and intact? Cample Matrix and properties same as on chain of custody? Camples in proper container/bottle? Camples proper container/bottle? Camples properly preserved? Camples bottles intact? Container do n Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers apple amount for indicated test? All samples received within sufficient hold time? Cost amples have zero headspace? Contact Person: Conta		(Yes)	No			
Chain of Custody signed when relinquished and received? Chain of custody agrees with sample label(s) Container labels legible and intact? Cample Matrix and properties same as on chain of custody? Camples in proper container/bottle? Camples proper container/bottle? Camples properly preserved? Camples bottles intact? Container do n Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers apple amount for indicated test? All samples received within sufficient hold time? Cost amples have zero headspace? Contact Person: Conta	Sample Instructions complete on Chain of Custody?	res	No			
Chain of custody agrees with sample label(s) Container labels legible and intact? Container labels legible and intact? Container labels legible and intact? Container labels legible and intact? Container labels legible and intact? Comparison of custody? Container labels legible and container/bottle? Comparison of custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented for indicated test? Containers ample amount for indicated test? Containers ample amount for indicated test? Containers ample amount for indicated test? Containers ample amount for indicated test? Containers ample amount for indicated test? Containers ample amount for indicated test? Containers ample amount for indicated test? Containers ample amount for indicated test? Containers a	Chain of Custody signed when relinguished and received?	res	No			
Container labels legible and intact? Sample Matrix and properties same as on chain of custody? Samples in proper container/bottle? Samples properly preserved? Samples properly preserved? Samples bottles intact? Preservations documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Sufficient sample amount for indicated test? All samples received within sufficient hold time? VOCC samples have zero headspace? Other observations: Variance Documentation: Contact Person: - Date/Time: Contacted by: Regarding: Corrective Action Taken:						
Samples in proper container/bottle? Samples in proper container/bottle? Samples properly preserved? Sample bottles intact? Preservations documented on Chain of Custody? Containers documented on Cha						
Samples in proper container/bottle? Samples properly preserved? Samples properly preserved? Sample bottles intact? Preservations documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? Sufficient sample amount for indicated test? All samples received within sufficient hold time? VOC samples have zero headspace? Other observations: Variance Documentation: Contact Person: - Date/Time: Contacted by: Regarding: Corrective Action Taken:						
Samples properly preserved? Samples bottles intact? Preservations documented on Chain of Custody? Containers documented on Chain of Custody? Sufficient sample amount for indicated test? All samples received within sufficient hold time? VOC samples have zero headspace? Other observations: Variance Documentation: Contact Person: - Date/Time: Contacted by: Regarding: Corrective Action Taken:						
Sample bottles intact? Preservations documented on Chain of Custody? Sufficient sample amount for indicated test? All samples received within sufficient hold time? VOC samples have zero headspace? Other observations: Variance Documentation: Contact Person: Date/Time: Contacted by: Regarding: Corrective Action Taken:						
Preservations documented on Chain of Custody? Containers documented on Chain of Custody? Sufficient sample amount for indicated test? All samples received within sufficient hold time? VOC samples have zero headspace? Variance Documentation: Contact Person: - Date/Time: Contacted by: Regarding: Corrective Action Taken:						
Containers documented on Chain of Custody? Sufficient sample amount for indicated test? All samples received within sufficient hold time? VOC samples have zero headspace? Other observations: Variance Documentation: Contact Person: - Date/Time: Contacted by: Regarding: Corrective Action Taken:						
Sufficient sample amount for indicated test? All samples received within sufficient hold time? VOC samples have zero headspace? Other observations: Variance Documentation: Contact Person: - Date/Time: Contacted by: Regarding: Corrective Action Taken:						
All samples received within sufficient hold time? VOC samples have zero headspace? Other observations: Variance Documentation: Contact Person: Date/Time: Contacted by: Regarding: Corrective Action Taken:						
Other observations: Variance Documentation: Contact Person: Date/Time: Contacted by: Regarding: Corrective Action Taken:						
Variance Documentation: Contact Person: Date/Time: Contacted by: Regarding: Corrective Action Taken:				Not Applicat	\lambda	
Contact Person: Date/Time: Contacted by: Regarding: Corrective Action Taken:	Strict object valions.					
	Contact Person: Date/Time:			Contacted b	y:	
				·		
						



30 x 25' x 12'

Excavation composite

COPY

Analytical Report

Prepared for:

Roy Rascon
Rice Operating Co.
122 W. Taylor
Hobbs, NM 88240

Project: BD Jct. H-35 (Boot) Project Number: None Given Location: None Given

Lab Order Number: 5J21002

Report Date: 10/26/05

Project: BD Jct. H-35 (Boot)

Project Number: None Given Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported: 10/26/05 14:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5 PT Bttm Comp@ 12 Field	5J21002-01	Soil	10/20/05 08:30	10/21/05 08:00
4 Wall Comp.	5.12.1002-02	Soil	10/20/05 09:42	10/21/05 08:00
Remed. Soil Blended	5J21002-03	Soil	10/20/05 14:00	10/21/05 08:00
Bttm Point #1- #5@ 12'	5J21002-04	Soil	10/20/05 08:20	. 10/21/05 08:00

Project: BD Jct. H-35 (Boot)

Project Number: None Given Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
10/26/05 14:59

Organics by GC Environmental Lab of Texas



Ethylhenzene 3.67 0.0250 "						,				
Benzene 0.962 0.0250 mg/kg dry 25 EJ\$2109 10/21/05 10/21/05 EPA 8021B	Analyte	Result		Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Totluene 3.71 0.0250 " " " " " " " " " " " " " " " " " " "	5 PT Bttm Comp@ 12 Field (5J21002	2-01) Soil								
Totale	Benzene	0.962	0.0250	mg/kg dry	25	EJ52109	10/21/05	10/21/05	EPA 8021B	
Surrogate: a.a.a-Trifluorotoluene	Toluene	3.71	0.0250	n	u	п	ŧI	11	ti .	
Sylence (pm) Surrogate: a.a.a-Triffuorotolutene 135 % 80-120 " " " " " " Surrogate: a.a.a-Triffuorotolutene 88.5 % 80-120 " " " " " " Substitution Surrogate: 4-Bromoflinorobenzene 88.5 % 80-120 " " " " " " " " Substitution Substitution Surrogate: 4-Bromoflinorobenzene 88.5 % 80-120 " " " " " " " " " " " " " " " " " "	Ethylbenzene	3.67	0.0250	11	11	8	11	u	н	
Syrrogate 1.5	Xylene (p/m)	6.57	0.0250	44	11	**	11	п	11	
Surrogate: 4-Bromofluorobenzene 88.5 % 80-120	Xylene (o)	3.47	0.0250	11	11	n	н	11	u	
Casoline Range Organics C6-C12 422 10.0 mg/kg dry 1 E152115 10/21/05 10/22/05 EPA 8015M	Surrogate: a,a,a-Trifluorotoluene		135 %	80-1	20	"	"	"	n .	S-04
Diesel Range Organics > C12-C35	Surrogate: 4-Bromofluorobenzene		88.5 %	80-1	20	n	"	"	u	
Total Hydrocarbon C6-C35	Gasoline Range Organics C6-C12	422	10.0	mg/kg dry	1	EJ52115	10/21/05	10/22/05	EPA 8015M	
Surrogate: I-Chlorooctane Surrogate: I-Chlorooctadecane 115 % 70-130 " " " " " " " " " " " " " " " " " " "	Diesel Range Organics >C12-C35	984	10.0	"	н	п	B	n	и	
Surrogate: -Chlorooctadecane	Total Hydrocarbon C6-C35	1410	10.0	"	μ	H	В	n	и	
Wall Comp. (5J21002-02) Soil Soil	Surrogate: 1-Chlorooctane		115 %	70-1	30	**	"	n	"	
Casoline Range Organics C6-C12 ND 10.0 mg/kg dry 1 EJS2115 10/21/05 10/22/05 EPA 8015M	Surrogate: 1-Chlorooctadecane		104 %	70-1	30	n	"	n .	u	
Casoline Range Organics C6-C12 ND 10.0 mg/kg dry 1 EJS2115 10/21/05 10/22/05 EPA 8015M										
Diesel Range Organics > C12-C35	4 Wall Comp. (5J21002-02) Soil					· · · · · · · · · · · · · · · · · · ·				
Total Hydrocarbon C6-C35	Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52115	10/21/05	10/22/05	EPA 8015M	
Surrogate: I-Chlorooctane	Diesel Range Organics >C12-C35	47.7	10.0	19	n	32	ti	n	и	
Surrogate: 1-Chlorooctadecane S5.8 % 70-130 " " " " " " "	Total Hydrocarbon C6-C35	47.7	10.0	11	11	. "	11	u	и	
Remed. Soil Blended (5J21002-03) Soil Gasoline Range Organics C6-C12 261 10.0 mg/kg dry 1 EJ52115 10/21/05 10/22/05 EPA 8015M Diesel Range Organics > C12-C35 683 10.0 " " " " " " " " " " " " " " " " " "	Surrogate: I-Chlorooctane		120 %	70-1	30	"	n	"	"	
Casoline Range Organics C6-C12 261 10.0 mg/kg dry 1 EJ52115 10/21/05 10/22/05 EPA 8015M	Surrogate: 1-Chlorooctadecane	•	85.8 %	70-1	30	"	" .	"	n .	
Diesel Range Organics > C12-C35 683 10.0 " " " " " " " " "	Remed. Soil Blended (5J21002-03) Soil	il								
Total Hydrocarbon C6-C35	Gasoline Range Organics C6-C12	261	10.0	mg/kg dry	1	EJ52115	10/21/05	10/22/05	EPA 8015M	
Surrogate: I-Chlorooctane	Diesel Range Organics >C12-C35	683	10.0	#1	n	н	U	**	μ	
Surrogate: 1-Chlorooctadecane 99.0 % 70-130 " <td>Total Hydrocarbon C6-C35</td> <td>944</td> <td>10.0</td> <td>h</td> <td>н</td> <td>11</td> <td>н</td> <td>**</td> <td>н</td> <td></td>	Total Hydrocarbon C6-C35	944	10.0	h	н	11	н	**	н	
Bettm Point #1- #5@ 12' (5J21002-04) Soil Benzene 0.349 0.0250 mg/kg dry 25 EJ52109 10/21/05 10/21/05 EPA 8021B Toluene 2.11 0.0250 " " " " " " " " " " " " " " " " " " "	Surrogate: I-Chlorooctane		111 %	70-1	30	n,	"	"	11	
Benzene 0.349 0.0250 mg/kg dry 25 EJ52109 10/21/05 10/21/05 EPA 8021B Toluene 2.11 0.0250 " " " " " " " " " " " " " Ethylbenzene 3.06 0.0250 " " " " " " " " " " " " " " Xylene (p/m) 5.58 0.0250 " " " " " " " " " " " " " Xylene (o) 3.03 0.0250 " " " " " " " " " " " " " " " " Surrogate: a,a,a-Trifluorotoluene 1/4 % 80-120 " " " " " " " " " " " " " " " "	Surrogate: 1-Chlorooctadecane		99.0 %	70-1	30	"	"	"	"	
Toluene 2.11 0.0250 "	Bttm Point #1- #5@ 12' (5J21002-04)	Soil								
Toluene 2.11 0.0250 "	Benzene	0.349	0.0250	mg/kg dry	25	EJ52109	10/21/05	10/21/05	EPA 8021B	
Xylene (p/m) 5.58 0.0250 "	Toluene	2.11	0.0250	11	11	n	п	Ð	н	
Xylene (p/m) 5.58 0.0250 "	Ethylbenzene	3.06	0.0250	n ·		Ð	11	и	, u	
Xylene (o) 3.03 0.0250 "	Xylene (p/m)	5.58	0.0250	0	п	ti.	u	· ·	н	
Surrogate: a,a,a-Trifluorotoluene 114% 80-120 " " " "	Xylene (0)	3.03	0.0250	U		H	н	и	11	
			114%	80-1	20	"	"	"	"	
	•					"	n	n	"	

Project: BD Jct. H-35 (Boot)

Project Number: None Given Project Manager: Roy Rascon

Fax: (505) 397-1471 Reported; 10/26/05 14:59

General Chemistry Parameters by EPA / Standard Methods

Environ	mental	Lab	of Teves
1211V SK (284		Lau	UI I EXAN

•	General Chemi	Environn					\bigcirc	(P)	
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
5 PT Bttm Comp@ 12 Field (5J21002-01) Soil								
Chloride	958	10.0	mg/kg	20	EJ52616	10/25/05	10/26/05	EPA 300.0	
% Moisture	28.5	0.1	%	1	EJ52501	10/21/05	10/24/05	% calculation	
4 Wall Comp. (5J21002-02) Se	oil								
Chloride	180	10.0	mg/kg	20	EJ52616	10/25/05	10/26/05	EPA 300.0	
% Moisture	20.8	0.1	%	1	EJ52501	10/21/05	10/24/05	% calculation	
Remed. Soil Blended (5J21002	2-03) Soil								
Chloride	712	10.0	mg/kg	20	EJ52617	10/25/05	10/26/05	EPA 300.0	-
% Moisture	10.5	0.1	%	1	EJ52501	10/21/05	10/24/05	% calculation	
Bttm Point #1- #5@ 12' (5J210	002-04) Soil								
% Moisture	18.4	0.1	%	1	EJ52501	10/21/05	10/24/05	% calculation	

Project: BD Jct. H-35 (Boot)

Project Number: None Given Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported: 10/26/05 17:18

Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source	-	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EJ52109 - EPA 5030C (GC)										
Blank (EJ52109-BLK1)	,			Prepared	& Analyz	ed: 10/21/0	5		·	
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250								
Sthylbenzene	ND	0.0250	11							
Xylene (p/m)	ИD	0.0250	n							
Xylene (o)	ND	0.0250	11							
Surrogate: a,a,a-Trifluorotoluene	34.4		ug/kg	40.0		86.0	80-120			
Surrogate: 4-Bromofluorobenzene	35.9		"	40.0		89.8	80-120			
LCS (EJ52109-BS1)				Prepared:	10/21/05	Analyzed:	10/24/05			
Benzene	0.0546	0.00100	mg/kg wet			109	80-120			
l'oluene	0.0536	0.00100	H	0.0500		107	80-120			
Ethylbenzene	0.0594	0.00100	n	0.0500		119	80-120			
(ylene (p/m)	0.116	0.00100	n n	0.100		116 .	80-120			
Kylene (o)	0.0576	0.00100	51	0.0500		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	36.5		11g/kg	40.0		91.2	80-120			
Surrogate: 4-Bromofluorobenzene	43.5		"	40.0		109	80-120			
Calibration Check (EJ52109-CCV1)				Prepared:	10/21/05	Analyzed:	10/25/05			
Benzene	53.0		ug/kg	50.0		106	80-120			
Foluene	52.2		11	50.0		104	80-120			
Ethylbenzene	57.1		n	50.0		114	80-120			
Kylene (p/m)	108		ti	100		108	80-120			
Xylene (o)	57.9		11	50.0		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.8		"	40.0		94.5	80-120			
Surrogate: 4-Bromofluorobenzene	40.4		"	40.0		101	80-120			
Matrix Spike (EJ52109-MS1)	So	urce: 5J230	04-13	Prepared:	10/21/05	Analyzed:	10/25/05			
Benzene	1.43	0.0250	mg/kg dry	1.33	0.00952	107	80-120			
Coluene	1.46	0.0250	п	1.33	0.0822	104	80-120			
Ethylbenzene	1.67	0.0250	n	1.33	1080.0	120	80-120			
Xylene (p/m)	3.39	0.0250	п	2.66	0.209	120	80-120			
Xylene (o)	1.57	0.0250	n	1.33	0.0990	111	80-120			
Surrogate: a,a,a-Trifluorotoluene	42.7		ug/kg	40.0		107	80-120			

Surrogate: 4-Bromofluorobenzene

94.5

80-120

40.0

37.8

Project: BD Jct. H-35 (Boot)

Project Number: None Given Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported: 10/26/05 17:18

Organics by GC - Quality Control Environmental Lab of Texas



Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52109 - EPA 5030C (GC)										
Matrix Spike Dup (EJ52109-MSD1)	Sou	rce: 5J230	04-13	Prepared	: 10/21/05	Analyzed	: 10/25/05	· · · · · · · · · · · · · · · · · · ·		
Benzene	1.36	0.0250	mg/kg dry	1,33	0.00952	102	80-120	4.78	20	·
Toluene	1.40	0.0250	11	1.33	0.0822	99.1	80-120	4.83	20	
Ethylbenzene	1.66	0.0250	II.	1.33	0.0801	119	80-120	0.837	20	
Xylene (p/m)	3.40	0.0250	ıı	2.66	0.209	120	80-120	0.00	20	
Xylene (o)	1.64	0.0250	n	1.33	0.0990	116	80-120	4.41	20	
Surrogate: a,a,a-Trifluorotoluene	40.7		ug/kg	40.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	40.2		,,	40.0		100	80-120			
Batch EJ52115 - Solvent Extraction (GC)					. —				
Blank (EJ52115-BLK1)				Prepared	& Analyze	ed: 10/21/0)5			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	11							
Total Hydrocarbon C6-C35	ND	10.0	11							
Surrogate: 1-Chloroociane	47.5		mg/kg	50.0		95.0	70-130			
Surrogate: 1-Chlorooctadecane	. 43.1		"	50.0		86.2	70-130			
LCS (EJ52115-BS1)				Prepared	& Analyz	ed: 10/21/0)5			
Gasoline Range Organics C6-C12	424	10.0	mg/kg wet	500		84.8	75-125			
Diesel Range Organics >C12-C35	423	10.0	11	500		84.6	75-125			
Total Hydrocarbon C6-C35	847	10.0	11	1000		84.7	75-125			
Surrogate: 1-Chlorooctane	57.8		mg/kg	50.0		116	70-130			
Surrogate: 1-Chlorooctadecane	46.5		"	50.0		93.0	70-130			•
Calibration Check (EJ52115-CCV1)				Prepared	: 10/21/05	Analyzed	: 10/22/05			
Gasoline Range Organics C6-C12	487		mg/kg	500		97.4	80-120			
Diesel Range Organics >C12-C35	597		n	500		119	80-120			
Total Hydrocarbon C6-C35	1080		41	1000		108	80-120			
Surrogate: 1-Chlorooctane	58.1		"	50.0		116	70-130			
Surrogate: 1-Chlorooctadecane	56.6		"	50.0		113	70-130			

Project: BD Jct. H-35 (Boot)

Project Number: None Given Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported: 10/26/05 14:59

Organics by GC - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	CRPD)) RPD) Limit	Notes
Batch EJ52115 - Solvent Extraction	(GC)	-						·		
Matrix Spike (EJ52115-MS1)	Sour	rce: 5J20033	3-04	Prepared	& Analyze	d: 10/21/0)5			
Gasoline Range Organics C6-C12	496	10.0 I	ng/kg dry	575	ND	86.3	75-125			
Diesel Range Organics >C12-C35	503	10.0	u .	575	ND	87.5	75-125			
Total Hydrocarbon C6-C35	999	10.0	u	1150	ND	86.9	75-125			
Surrogate: 1-Chlorooctane	59.1	······	mg/kg	50.0		118	70-130			
Surrogate: 1-Chlorooctadecane	45.2		"	50.0		90.4	70-130			
Matrix Spike Dup (EJ52115-MSD1)	Sour	·ce: 5J20033	3-04	Prepared:	10/21/05	Analyzed	: 10/24/05			
Gasoline Range Organics C6-C12	504	10.0 1	ng/kg dry	575	ND	87.7	75-125	1.60	20	
Diesel Range Organics >C12-C35	494	10.0	u	575	ND	85.9	75-125	1.81	20	
Total Hydrocarbon C6-C35	998	10.0	11	1150	ND	86.8	75-125	0.100	20	
Surrogate: 1-Chlorooctane	59.9		mg/kg	50.0		120	70-130			
Surrogate: 1-Chlorooctadecane	49.2		"	50.0		98.4	70-130			

Project: BD Jct. H-35 (Boot)

Project Number: None Given Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported: 10/26/05 14:59

General Chemistry Parameters by EPA / Standard Methods - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52501 - General Preparation	(Prep)			• • •						
Blank (EJ52501-BLK1)				Prepared:	10/21/05	Analyzed:	10/24/05			
% Solids	100		%							
Duplicate (EJ52501-DUP1)	Sou	ırce: 5J2100	2-01	Prepared:	10/21/05	Analyzed:	10/24/05			
% Solids	71.9		%		71.5			0.558	20	
Batch EJ52616 - Water Extraction										
Blank (EJ52616-BLK1)				Prepared:	10/25/05	Analyzed:	10/26/05			
Chloride	ND	0.500	mg/kg							
LCS (EJ52616-BS1)				, Prepared:	10/25/05	Analyzed:	10/26/05			
Chloride	8.39	-	mg/L	10.0		83.9	80-120			angeling of the control obstantial delication again
Calibration Check (EJ52616-CCV1)				Prepared:	10/25/05	Analyzed:	10/26/05			
Chloride	8.49		mg/L	10.0		84.9	80-120			
Duplicate (EJ52616-DUP1)	Sou	ırce: 5J1900	2-01	Prepared:	10/25/05	Analyzed:	10/26/05			
Chloride	390	10.0	mg/kg		394			1.02	20	
Batch EJ52617 - Water Extraction										
Blank (EJ52617-BLK1)		- 7		Prepared:	10/25/05	Analyzed:	10/26/05			
Chloride	ND	0.500	mg/kg				· · · · · · · · · · · · · · · ·			
LCS (EJ52617-BS1)				Prepared:	10/25/05	Analyzed:	10/26/05			
Chloride	8.21		mg/L	10.0		82.1	80-120			

Project: BD Jct. H-35 (Boot)

Project Number: None Given Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported: 10/26/05 14:59

General Chemistry Parameters by EPA / Standard Methods - Quality Composition Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52617 - Water Extraction									······································	
Calibration Check (EJ52617-CCV1)				Prepared:	10/25/05	Analyzed:	10/26/05			
Chloride	8.37		mg/L	10.0		83.7	80-120			A 444 A 444 A 444 A 444 A 444 A 444 A 444 A 444 A 444 A 444 A 444 A 444 A 444 A 444 A 444 A 444 A 444 A 444 A
Duplicate (EJ52617-DUP1)	Soi	urce: 5J2100	2-03	Prepared:	10/25/05	Analyzed:	10/26/05			
Chloride	766	10.0	mg/kg		712			7.31	20	

Project: BD Jct. H-35 (Boot)

Project Number: None Given Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported: 10/26/05 14:59

Notes and Definitions

COPY

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix eff

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:

Raland K. Tuttle, Lab Manager

Celey D. Keene, Lab Director, Org. Tech Director

Peggy Allen, QA Officer

Date:

Jeanne Mc Murrey, Inorg. Tech Director

LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763

Phone: 915-563-1800 Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

JCT H-35 (Boot)						Analyze For:			(a	Semivolatiles 9TEX 80218/5030 EC, CEC, SAR, ESP Alpt cations/anions, TDS VUSH TAT (Pre-Scheduli	4 V								<i>></i>		50.0	Seals on containers + cooler	402 giass onnce W/labels		
Project Name: 30	Project #:	Project Loc:	PO #:			A	TCLP:	10131		Other (specify): TPH 418.1 TPH 418.1 TPH 418.1 TPH 418.1 TPH 80.15M GROVDRO TPH 80.15M GROVDRO TPH 80.15M GROVDRO	>	`.	<i>\</i>	/	//	/			97		B アミメ Sample Containers Intact? Temperature Upon Receipt: Laboratory Comments:	()	0	Time	0380
								-	/ative Matrix	H ₂ SO ₄ None Other (Specify) Sludge Soit			\ 	<i>></i>	>	\(\)	>	<u>></u>			Study, Run B	Date ()	10/20	Date	10-21-05
				Fax No: 505-397-1471					Freservative	No. of Containers tce Huo, Hci	>	<u>></u>	1 /	, <u> </u>	>	<u>У</u>	>	>			WIT BIEX SI		your		man
		And the second s		Fax N						Dalqma2 SamDled	20.05 830 A	10-20-05 942 A	10-20-05 2:00 K	20-05 8cle A	10-20-05 809 A	10-20-05 813 A	10-20-05 816 A	10-20-05 820 A	10-20-05 0820	,	イチョ かの 猫	Received by:	Cal Na		July of the
	mpany										Field 10-20	2	- 0/	10-20-0	.01	2.0/	2-0/	10.2	,	\neg	CombINE IN	Time	4:30	Time	3,7
Project Manager: Roy Rascon	company Name Rice Operating Company	Company Address: 122 W Taylor	City/State/Zip: Hobbs, NM 88240	Telephone No: 505-393-9174	ture:					FIFLD CODE	577 Bth Comp @ 12	4 wall Camp,	Remed, soil Blended	STIM Point # 1 @ 12'	BITM Peint# 2 @ 12	8TM Point # 3 @ 12	BITM Point #4 @ 12	BITM POINT 45 @ 12'	8400 Point#1-45@12		Special Instructions: Bitting Point it -5	Date /	L. 25	Date	1401
Project Mana	Company Na	Company Addr	City/State/	Telephone	Sampler Signature:					LAB# flab use only)	1-	70	-03 R	8	(B)	8	8 // 8	.) (원	10 K NO-		Special Instructions: <i>B</i> . O(1)	Relinquished by:	16:4/604	Relinquished by:	Survey (1)

Environmental Lab of Texas Variance / Corrective Action Report – Sample Log-In

Client: MVC DP Date/Time: 10/21/05 8-00 Order #: 552100 Initials: Sample Receipt Checklist Temperature of container/cooler? Yes No 1,0 C	
order #:	
Order #: 552100 nitials: Sample Receipt Checklist	
Sample Receipt Checklist	
Sample Receipt Checklist	
emberature of container cooler:	
hipping container/cooler in good condition?	
Sustody Seals intact on shipping container/cooler? Wes No Not present	
sustody Seals intact on sample bottles? (CES No Not present	
hain of custody present? Ves No	
ample Instructions complete on Chain of Custody?	
hain of Custody signed when relinquished and received? No	
Chain of custody agrees with sample label(s) (Yes No	
Container labels legible and intact?	
ample Matrix and properties same as on chain of custody? Yes No	
amples in proper container/bottle?	
amples properly preserved?	
ample bottles intact?	
reservations documented on Chain of Custody?	
Containers documented on Chain of Custody?	
Sufficient sample amount for indicated test?	
All samples received within sufficient hold time?	
/OC samples have zero headspace? No Not Applicable	
Other observations:	
Variance Documentation: Contact Person: Date/Time: Contacted by: Regarding:	· · · · · · · · · · · · · · · · · · ·
Contact Person: Date/Time: Contacted by:	
Contact Person: Date/Time: Contacted by: Regarding: Corrective Action Taken:	
Contact Person: Date/Time: Contacted by: Regarding: Corrective Action Taken:	
Contact Person: Date/Time: Contacted by: Regarding: Corrective Action Taken:	
Contact Person: Date/Time: Contacted by: Regarding: Corrective Action Taken:	

122 WEST TAYLOR

HOBBS, NEW MEXICO 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE

LOT NO: 04-2747 EXP. DATE: 8-1-06

METER READING

ACCURACY:

SERIAL NO: 104412

100 PPM

BALANCE

FILL DATE:

ACCURACY:

SYSTI	EM JUNCTION	TIMU	SECTION	TOWNSHIP	RANGE
30	(Boot) H-35	H	35	215	37E

	• • • • • • • • • • • • • • • • • • • •	•	
SAMPLE	PID RESULT	SAMPLE	PID RESULT
SPT DHERELA	5 8 G		·
4 Dell Cen	79.9		
Acres Silbiani	+627.F		·
Btn Pt 1012'	51.9	7. N	
eHm (+2@12'	19.1		
BHm Pt3@12'	135,6		
BHMPZYBQ!	91.6		
BHM RESER'	40.8		
	,		
	·		
<u></u>			

I certify that I have calibrated the above instrument in accordance to the manufacture operation manual.

2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: Site:

BD

Jct. H-35 boot

10/20/2005

Kevin Collins

Sampler: Date:

Laboratory:

Environmental Lab

of Texas

_								
	Total Xylenes			10.04				8.61
TE (mg/kg)	hyl Be 3.6'						LAB COMPOSITE (mg/kg)	3.06
FIELD COMPOSITE	Toluene		3.71					2.11
	Benzene			0.962				0.349
PID reading	(mdd)	51.9	19.1	135.6	91.6	40.8		
Commonant	Component		2	3	4	5		
Location			bottom	composite at	12 ft BGS			

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be compositing with lab-compositing BTEX samples. Composite laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

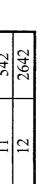
Revised Junction Box Upgrade Work Plan (July 16, 2003)

BD Jct. H-35 boot

unit 'H', Sec. 35, T21S, R37E

Backhoe samples at 10 ft north of junction (source)

	_	,									
CII ppm 47	58	59	128	195	712	312	684	177	205	542	2642
Depth bgs (ft)	2	3	7	5	9	L	8	6	10	11	12



Groundwater = 44 ft

