

97 SEP -5 PM 3: 45

August 25, 1997

Kevin Tinsley Alameda County Department of Environmental Health **UST Local Oversight Program** 1131 Harbor Bay Parkway, 2nd Floor Alameda, CA 94502

Re: Second Quarter 1997 Monitoring Report

Former Exxon Service Station 3055 35th Avenue Oakland, California Cambria Project #13-105-107

Dear Mr. Tinsley:

On behalf of Mr. Lynn Worthington of Golden Empire Properties, Cambria Environmental Technology, Inc. (Cambria) is presenting the second quarter 1997 ground water monitoring results for the site referenced above. Presented below are the second quarter 1997 activities and the anticipated third quarter 1997 activities.

SECOND QUARTER 1997 ACTIVITIES

on this investigation was submitted on June 27, 1997.

Quarterly Ground Water Sampling: On June 25, 1997, Cambria collected ground water samples from wells MW-1, MW-2, MW-3 and MW-4. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as diesel (TPHd), benzene, toluene, ethylbenzene and xylenes (BTEX), and methyl tert-butyl ether (MTBE). Cambria also gauged the site wells, measured dissolved oxygen (DO) concentrations and checked for liquid-phase hydrocarbons (LPH). No LPH were detected.

Additional Work: Cambria conducted a subsurface investigation during the second quarter and submitted an Investigation Report on May 23, 1997. A Risk-Based Corrective Action Analysis based

ENVIRONMENTAL

CAMBRIA

TECHNOLOGY, INC.

1144 65TH STREET,

SUITE B

OAKLAND,

CA 94608

PH: (510) 420-0700

Fax: (510) 420-9170

ANTICIPATED THIRD QUARTER 1997 ACTIVITIES

Quarterly Ground Water Sampling: Cambria will gauge the site wells, measure DO concentrations, check the wells for LPH, and collect water samples from the wells. Cambria will tabulate the data and prepare a quarterly monitoring report.

CLOSING

We appreciate the opportunity to work with you on this project. Please call if you have any questions or comments.

Sincerely,

Cambria Environmental Technology, Inc.

Maureen Feineman

Staff Geologist

Khaled B. Rahman, R.G., C.H.G.

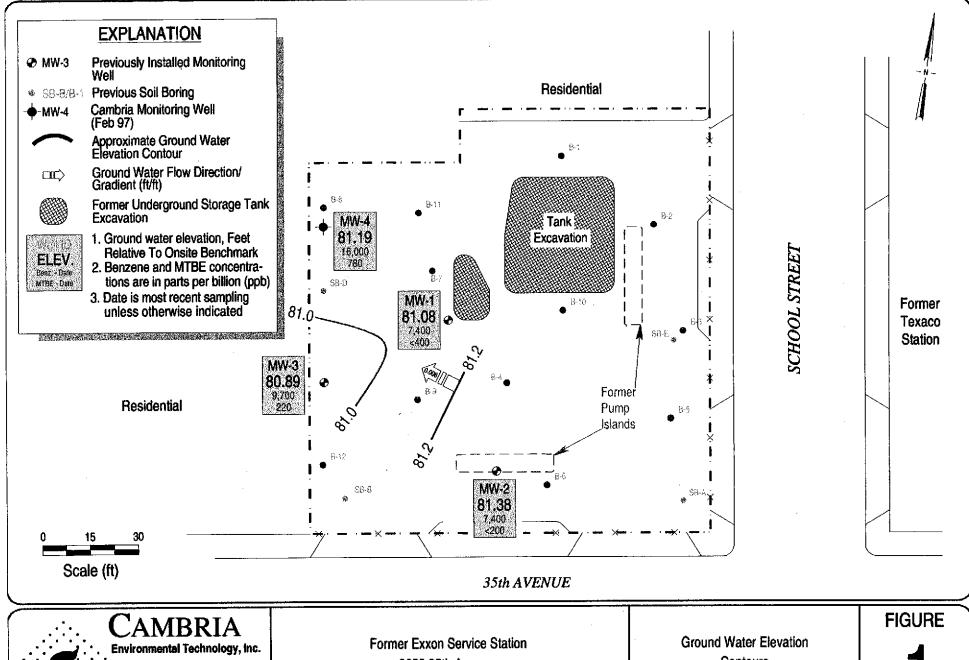
Senior Geologist

Attachments: A - Analytic Report for Ground Water Sampling

cc: Mr. Lynn Worthington, Golden Empire Properties, Inc., 5942 MacArthur Boulevard, Suite B,

Oakland, CA 94605

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Former Exxon Service Station 3055 35th Avenue Oakland, California

F:\PROJECT\SB-2004\OAK-002\FIGURES\GW-ELEV.DWG

Ground Water Elevation Contours June 25, 1997

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Table 1. Ground Water Elevation and Analytic Data - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

Well ID	Date	GW	LPH	GW	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DO
(quarters sampled)		Depth (ft)	(ft)	Elev. (ft)	-		cor	ncentrations in	parts per billio	n (μg/L) ——			(mg/L)
MW-1	5/25/94	16.79	Sheen	84.06	120,000	25,000	<50,000	22,000	17,000	2,800	16,000		
(all)	7/19/94	20.77		80.08					***				
TOC = 100.85	8/18/94	21.04	Sheen	79.81	925,000			16,500	6,200	1,000	9,400		
	11/11/94	15.80	•	85.05	57,000			14,000	4,400	1,400	6,400		
	2/27/95	15.53		85.32	45,000			2,900	2,500	760	4,100		
	5/23/95	15.29		85.56	22,000		_	9,900	990	790	2,000		_
	8/22/95	20.90		79.95	23,000			6,900	340	1,200	1,900		
	11/29/95	22.19		78.66	37,000			9,900	530	1,600	2,900		
	2/21/96	11.69		89.16	33,000	4,300		10,000	480	1,000	1,800	3,300	
	5/21/96	14.62		86.23	36,000	8,500		8,500	1,400	1,300	2,800	1,900	
	8/22/96	22.30		78.55	41,000	6,200		8,600	1,300	1,500	2,900	<200	8.0
	11/27/96	17.24	Sheen	83.61	38,000	6,100		9,600	950	1,600	3,100	<400	5.6
	3/20/97	16.65		84.20	33,000	10,000	***	6,100	560	970	2,200	<400	8.5
	6/25/97	19.77		81,08	31,000	7,400"	aliajona ali ris i	7,400	440	890	1,800	<400	3.7
MW-2	5/25/94	15.65		84.35	61,000	6,900	<5,000	9,900	7,400	960	4,600		
(all)	7/19/94	19.81	·	80.19									
TOC = 100.00	8/18/94	20.37		79.63	88,000			10,750	10,500	1,850	9,600		
	11/11/94	15.52		84.48	54,000	_		5,900	6,700	1,300	7,500	v=-	
	2/27/95	14.46	Sheen	85.54	44,000			5,100	5,300	930	6,400		
	5/23/95	14.17		85.83	33,000		_	8,200	5,600	900	6,600		
	8/22/95	19.80		80.20	38,000		_	6,400	5,000	1,100	5,600		
	11/29/95	21.05		78.95	46,000			7,100	5,300	1,300	6,000		
	2/21/96	10.53		89.47	59,000			8,000	6,000	1,800	8,900	4,500	
	5/21/96	13.47		86.53	51,000	3,400	_	8,200	5,200	1,300	6,600	2,400	
	8/22/96	19.12		80.88	37,000	5,700		5,100	3,500	960	4,500	<200	3.0
	11/27/96	16.61	Sheen	83.39	54,000	10,000		9,800	7,000	1,800	7,900	<2,000	3.1
	3/20/97	15.39		84.61	27,000	6,100		3,700	2,300	580	2,800	<400	8.1
	6/25/97	18.62	e per ja den ja kullisti ili. Per ja la Lauren ja ja kunna	81.38	42,000	7,800°		7,400	3,800	1,200	5,700	<200	0.9
MW-3	5/25/94	13.93	Sheen	82.94	56,000	14,000	<50,000	14,000	14,000	1,300	11,000		
(all)	7/19/94	17.04		79.83					·				
TOC = 96.87	8/18/94	17.75		79.12	116,000			28,300	26,000	2,400	15,000		
100 - 70.07	11/11/94	17.80		79.07	89,000			1,600	1,900	1,900	14,000		

Table 1. Ground Water Elevation and Analytic Data - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

Well ID	Date	GW	LPH	GW	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	МТВЕ	DO
(quarters sampled)		Depth (ft)	(ft)	Elev. (ft)	←		co	ncentrations in	parts per billio	n (μg/L)		<u> </u>	(mg/L)
	2/27/95	11.86	Sheen	85,01	250,000			22,000	26,000	7,800	21,000	***	
	5/23/95	11.60	Sheen	85.27	310,000			18,000	17,000	4,500	2,800		
	8/22/95	17.10		79. 77	74,000	***		14,000	13,000	1,900	11,000		
	11/29/95	16.34		80.53	220,000			25,000	25,000	3,500	19,000		
	2/21/96	7.92		88.95	60,000			10,000	7,800	1,500	8,800	3,400	
	5/21/96	10.86	Sheen	86.01	69,000	13,000		17,000	9,400	1,700	9,400	2,600	
	8/22/96	16.50		80.37	94,000	16,000		17,000	15,000	2,100	12,000	330	2.0
	11/27/96	13.47	Sheen	83.40	82,000	24,000		14,000	13,000	2,400	13,000	<1,000	2.4
	3/20/97	12.86	_	84.01	56,000	11,000		9,900	6,900	1,300	8,000	3,500	9.0
	6/25/97	15,98	d Hilliam de Higgiero de la pro- prio de la proprio de la pro- prio de la proprio de la pro- prio de la proprio de la pro-	80.89	49,000	7,700 ⁶		9,700	7,100	1,300	7,000	220	5.8
MW-4	3/20/97	13.75		83.59	47,000	3,100		11,000	4,500	1,100	5,200	3,400	8.4
(all) TOC = 97.34	6/25/97	16.15		± 81,19	61,000	5,800°	religio il l'America	16,000	6,100	1,500	5,900	780°	1:4

Abbreviations:

TOC = Top of casing elevation with respect to an onsite benchmark

GW = Ground water

LPH = Liquid-phase hydrocarbons

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

TPHd = Total petroleum hydrocarbons as diesel by modified EPA Method 8015

TPHmo = Total petroleum hydrocarbons as motor oil by modified EPA Method 8015

Benzene, Ethylbenzene, Toluene, and Xylenes by EPA Method 8020

MTBE = Methyl Tertiary-Butyl Ether by EPA Method 8020

DO = Dissolved oxygen

μg/L = micrograms per liter, which is equivalent to parts per billion in water

mg/l = milligrams per liter, which is equivalent to parts per million in water

Notes:

a = Result has an atypical pattern for diesel analysis

b = Result appears to be a lighter hydrocarbon than diesel

c = There is a >40% difference between primary and confirmation analysis

TOC Elevation of Well MW-4 surveyed relative to an arbitrary site datum by David Hop Licensed Surveyor on April 19, 1997

CAMBRIA

ATTACHMENT A

Analytic Report for Ground Water Sampling

LEGEND

Analytical Services

3636 N. Laughlin Road, Suite 110 Santa Rosa, California 95403 707.526.7200 Fax 707.541.2333 E-Mail: info@legendlab.com

John Espinoza Cambria Env. Technology 1144 65th Street Suite C Oakland, CA 94608 Date: 07/09/1997

LEGEND Client Acct. No: 98900

LEGEND Job No: 97.01189 Received: 06/27/1997

Client Reference Information

Oak-002/Project No. 13-105-107

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety. Facsimile transmission of this report is non-confidential. If received in error, please contact sender immediately at the number listed and return the information to us by mail. Please refer to the enclosed "Key to Result Flags" for definition of terms. Should you have questions regarding procedures or results, please feel free to call me at (707) 541-2313.

Submitted by:

Ned Engleson Project Manager

Enclosure(s)

Date: 07/09/1997 ELAP Cert: 2193

Client Acct: 98900 LEGEND Job No: 97.01189

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Ref: Oak-002/Project No. 13-105-107

SAMPLE DESCRIPTION: MW-3

Date Taken: 06/25/1997 Time Taken: 11:40

LEGEND Sample No: 276362

LEGEND Sample No: 276362					•			Run
			Reporting	F		Date	Date	Batch
Parameter	Results	Flags	Limit	Units	Method	Extracted	Analyzed	No.
TPH (Gas/BTXE, Liquid)								
5030/M8015							07/01/1997	3863
DILUTION FACTOR*	50						07/01/1997	3863
as Gasoline	49		2.5	mg/L	5030		07/01/1997	3863
8020 (GC,Liquid)							07/01/1997	3863
Benzene	9,700	PH	250	ug/L	8020		07/02/1997	3864
Toluene	7,100	FH	250	ug/L	8020		07/02/1997	3864
Ethylbenzene	1,300		25	ug/L	8020		07/01/1997	3863
Xylenes (Total)	7,000		25	ug/L	8020		07/01/1997	3863
Methyl-tert-butyl ether	220		100	ug/L	8020		07/01/1997	3863
SURROGATE RESULTS							07/01/1997	3863
Bromofluorobenzene (SURR)	94			% Rec.	5030		07/01/1997	3863

Date: 07/09/1997 ELAP Cert: 2193

Client Acct: 98900 LEGEND Job No: 97.01189

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SAMPLE DESCRIPTION: MW-4

Date Taken: 06/25/1997 Time Taken: 14:10

LEGEND Sample No: 276363

Run

			Reporting	ſ		Date	Date	Batch
Parameter	Results	Flags	Limit	Units	Method	Extracted	Analyzed	No.
TPH (Gas/BTXE, Liquid)								
5030/M8015							07/02/1997	3864
DILUTION FACTOR*	200						07/02/1997	3864
as Gasoline	61		10	mg/L	5030		07/02/1997	3864
8020 (GC, Liquid)							07/02/1997	3864
Benzene	16,000	FH	250	ug/L	8020		07/02/1997	3864
Toluene	6,100		100	ug/L	8020		07/02/1997	3864
Ethylbenzene	1,500		100	ug/L	8020		07/02/1997	3864
Xylenes (Total)	5,900		100	ug/L	8020		07/02/1997	3864
Methyl-tert-butyl ether	780	P	400	ug/L	8020		07/02/1997	3864
SURROGATE RESULTS							07/02/1997	3864
Bromofluorobenzene (SURR)	92			% Rec.	5030		07/02/1997	3864

Client Acct: 98900 LEGEND Job No: 97.01189 Date: 07/09/1997

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SAMPLE DESCRIPTION: MW-1

Date Taken: 06/25/1997 Time Taken: 13:40

LEGEND Sample No: 276364

Run

		Reporting	Ŧ		Date	Date	Batch
Parameter	Results Flags	Limit	Units	Method	Extracted	Analyzed	No.
TPH (Gas/BTXE,Liquid)							
5030/M8015						07/02/1997	3864
DILUTION FACTOR*	200					07/02/1997	3864
as Gasoline	31	10	mg/L	5030		07/02/1997	3864
8020 (GC, Liquid)						07/02/1997	3864
Benzene	7,400	100	ug/L	8020		07/02/1997	3864
Toluene	440	100	ug/L	8020		07/02/1997	3864
Ethylbenzene	890	100	ug/L	8020		07/02/1997	3864
Xylenes (Total)	1,800	100	ug/L	8020		07/02/1997	3864
Methyl-tert-butyl ether	ND	400	ug/L	8020		07/02/1997	3864
SURROGATE RESULTS						07/02/1997	3864
Bromofluorobenzene (SURR)	90		% Rec.	5030		07/02/1997	3864

Date: 07/09/1997

Client Acct: 98900 ELAP Cert: 2193 LEGEND Job No: 97.01189 Page: S

Ref: Oak-002/Project No. 13-105-107

SAMPLE DESCRIPTION: MW-2

Date Taken: 06/25/1997

Time Taken: 12:30

LEGEND Sample No: 276365 Run Reporting Date Batch Date Results Flags Limit Units Method Extracted Analyzed No. TPH (Gas/BTXE, Liquid) 5030/M8015 07/01/1997 3863 DILUTION FACTOR* 07/01/1997 3863 100 as Gasoline 42 5.0 mg/L 5030 07/01/1997 3863 8020 (GC, Liquid) --07/01/1997 3863 Benzene 7,400 250 ug/L 8020 07/02/1997 3864 Toluene 07/01/1997 3863 3,800 50 ug/L 8020 Ethylbenzene 3863 1,200 50 ug/L 8020 07/01/1997 Xylenes (Total) 5,700 50 ug/L 8020 07/01/1997 3863 ug/L Methyl-tert-butyl ether ND 200 8020 07/01/1997 3863 SURROGATE RESULTS 3863 07/01/1997 07/01/1997 3863 Bromofluorobenzene (SURR) 98 % Rec. 5030

Date: 07/09/1997 ELAP Cert: 2193

Client Acct: 98900 LEGEND Job No: 97.01189

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Ref: Oak-002/Project No. 13-105-107

SAMPLE DESCRIPTION: MW-3

Date Taken: 06/25/1997 Time Taken: 11:45

LEGEND Sample No: 276366

DEGEMEN SQUIPTE NO: 519200								Kun
			Reporting			Date	Date	Batch
Parameter	Results	Flags	Limit	Units	Method	Extracted	Analyzed	No.
M8015 (EXT., Liquid)						07/01/1997		
DILUTION FACTOR*	5						07/08/1997	1344
as Diesel	7.7	DL	0.2	mg/L	3510		07/08/1997	1344
SURROGATE RESULTS							07/08/1997	1344
Ortho-terphenyl (SURR)	82			% Rec.	3510		07/08/1997	1344

Client Acct: 98900 LEGEND Job No: 97.01189 Date: 07/09/1997

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SAMPLE DESCRIPTION: MW-4

Date Taken: 06/25/1997

Time Taken: 14:15

LEGEND Sample No: 276367								Run
			Reporting	ī		Date	Date	Batch
Parameter	Results	Flags	Limit	Units	Method	Extracted	Analyzed	No.
M8015 (EXT., Liquid)						07/01/1997		
DILUTION FACTOR*	4						07/09/1997	1344
as Diesel	5.8	DL	0.2	mg/L	3510		07/09/1997	1344
SURROGATE RESULTS							07/09/1997	1344
Ortho-terphenyl (SURR)	91			% Rec.	3510		07/09/1997	1344

Client Acct: 98900 LEGEND Job No: 97.01189 Date: 07/09/1997

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Ref: Oak-002/Project No. 13-105-107

SAMPLE DESCRIPTION: MW-1

Date Taken: 06/25/1997 Time Taken: 13:45

LEGEND Sample No: 276368								Run
			Reporting	1		Date	Date	Batch
Parameter	Results	Flags	Limit	Units	Method_	Extracted	Analyzed	No.
MB015 (EXT., Liquid)						07/01/1997		
DILUTION FACTOR*	5						07/08/1997	1344
as Diesel	7.4	D-	0.2	mg/L	3510		07/08/1997	1344
SURROGATE RESULTS							07/08/1997	1344
Ortho-terphenyl (SURR)	99			% Rec.	3510		07/08/1997	1344

Client Acct: 98900 LEGEND Job No: 97.01189 Date: 07/09/1997

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Ref: Oak-002/Project No. 13-105-107

SAMPLE DESCRIPTION: MW-2

Date Taken: 06/25/1997

Time Taken: 12:30

LEGEND Sample No: 276369								Run
			Reporting	ī		Date	Date	Batch
Parameter	Results	Flags	Limit	Units	Method	Extracted	Analyzed	No.
M8015 (EXT., Liquid)						07/01/1997		
DILUTION FACTOR*	5						07/08/1997	1344
as Diesel	7.8	DL	0.2	mg/L	3510		07/08/1997	1344
SURROGATE RESULTS							07/08/1997	1344
Ortho-terphenyl (SURR)	85			% Rec.	3510		07/08/1997	1344

Client Acct: 98900 LEGEND Job No: 97.01189 Date: 07/09/1997

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CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

		CCV	CCV					
	CCA	Standard	Standard					Run
	Standard	Amount	Amount			Date	Analyst	Batch
Parameter	% Recovery	Found	Expected_	Flags	Units	Analyzed	Initials	Number
TPH (Gas/BTXE, Liquid)								
as Gasoline	95.4	0.477	0.50		mg/L	07/02/1997	cjy	3864
Benzene	94.1	18.81	20.0		ug/L	07/02/1997	cjy	3864
Toluene	93.4	18.68	20.0		ug/L	07/02/1997	сју	3864
Ethylbenzene	100.4	20.07	20.0		ug/L	07/02/1997	. сју	3864
Xylenes (Total)	98.1	58.88	60.0		ug/L	07/02/1997	сју	3864
Methyl-tert-butyl ether	106.9	85.51	80.0		ug/L	07/02/1997	сју	3864
Bromofluorobenzene (SURR)	90.0	90	100		% Rec.	07/02/1997	cjy	3864
M8015 (EXT., Liquid)	•							
as Diesel	109.8	1098	1000		mg/L	07/02/1997	vah	1344
Ortho-terphenyl (SURR)	99.0	99	100		% Rec.	07/02/1997	vah	1344
M8015 (EXT., Liquid)								
as Diesel	106.8	1068	1000		mg/L	07/03/1997	vah	1344
Ortho-terphenyl (SURR)	98.0	98	100		% Rec.	07/03/1997	vah	1344
M8015 (EXT., Liquid)								
as Diesel	113.8	1138	1000		mg/L	07/08/1997	vah	1344
Ortho-terphenyl (SURR)	79.0	79	100		% Rec.	07/08/1997	vah	1344
M8015 (EXT., Liquid)								
as Diesel	106.1	1061	1000		mg/L	07/09/1997	vah	1344
Ortho-terphenyl (SURR)	76.0	76	100		% Rec.	07/09/1997	vah	1344

Client Acct: 98900 LEGEND Job No: 97.01189 Date: 07/09/1997

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METHOD BLANK REPORT

Method

	Blank						Run
	Amount	Reporting			Date	·Analyst	Batch
Parameter	Found	Limit	Flags	Units	Analyzed	Initials	Number
TPH (Gas/BTXE,Liquid)							
as Gasoline	ND	0.050		mg/L	07/02/1997	¢jy	3864
Benzene	ND	0.50		ug/L	07/02/1997	сју	3864
Toluene	ND	0.50		ug/L	07/02/1997	¢ју	3864
Ethylbenzene	ND	0.50		ug/L	07/02/1997	сју	3864
Xylenes (Total)	ND	0.50		ug/L	07/02/1997	⊂jy	3864
Methyl-tert-butyl ether	ND	2.0		ug/L	07/02/1997	¢jy	3864
Bromofluorobenzene (SURR)	93			% Rec.	07/02/1997	сју	3864
M8015 (EXT., Liquid)							
as Diesel	ND	0.050		mg/L	07/02/1997	vah	1344
Ortho-terphenyl (SURR)	101			% Rec.	07/02/1997	vah	1344

Client Acct: 98900 LEGEND Job No: 97.01189 Date: 07/09/1997

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE

		Matrix					Matrix					
	Matrix	Spike				Matrix	Spike				÷	
	Spike	Dup		Spike	Sample	Spike	Dup.			Date	Run	Sample
Parameter	% Rec.	% Rec.	RPD	Amount	Conc.	Conc.	Conc.	Flags	Units	Analyzed	Batch	Spiked
TPH (Gas/BTXE, Liquid)												276397
as Gasoline	102.4	92.2	10.4	5.00	0.6	5.72	5.21		mg/L	07/02/1997	3864	276397
Benzene	90.5	94.7	4.5	71.8	97	162	165	PC	ug/L	07/02/1997	3864	276397
Toluene	98.0	99.7	1,7	346	ND	339	345		ug/L	07/02/1997	3864	276397
Bromofluorobenzene (SURR)	101.0	100.0	1.0	100	93	101	100		% Rec.	07/02/1997	3864	276397
M8015 (EXT., Liquid)												276322
as Diesel	111.6	98.9	12.0	1.89	0.07	2.18	1.94	HX	mg/L	07/02/1997	1344	276322
Ortho-terphenyl (SURR)	128.0	115.0	10.7	100	112	128	115		% Rec.	07/02/1997	1344	276322

Client Acct: 98900 LEGEND Job No: 97.01189 Date: 07/09/1997

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LABORATORY CONTROL SAMPLE REPORT

					DUP							
		DUP CS LCS		LCS	LCS	LCS						
	LCS			Amount	Amount	Amount			Date	Analyst	Run	
Parameter	% Rec. % Rec.		RPD	Found	Found	Exp.	Flags	Units	Analyzed	Initials	Batch	
M8015 (EXT., Liquid)												
as Diesel	89.0	89.0				1.00		mg/L	07/02/1997	vah	1344	
Ortho-terphenvl (SURR)	114.0			114		100		% Rec.	07/02/1997	vah	1344	

KEY TO RESULT FLAGS

```
: RPD between sample duplicates exceeds 30%.
     : RPD between sample duplicates or MS/MSD exceeds 20%.
*M
     : Correlation coefficient for the Method of Standard Additions is less than 0.995.
     : Sample result is less than reported value.
<
     : Value is between Method Detection Limit and Reporting Limit.
B-I
     : Analyte found in blank and sample.
B-0
     : The result confirmed by secondary column or GC/MS analysis.
C
     : Cr+6 not analyzed; Total Chromium concentration below Cr+6 regulatory level.
CNA
COMP : Sample composited by equal volume prior to analysis.
     : 2-Chloroethylvinyl ether cannot be determined in a preserved sample.
CV
     : Due to the sample matrix, constant weight could not be achieved.
CWT
     : The result has an atypical pattern for Diesel analysis.
D-
     : The result for Diesel is an unknown hydrocarbon which consists of a single peak.
D1
     : ND for hydrocarbons, non-discrete baseline rise detected.
DB
     : The result appears to be a heavier hydrocarbon than Diesel.
DH
     : The result appears to be a lighter hydrocarbon than Diesel.
DL
     : Elevated Reporting Limit due to Matrix.
DR
     : Surrogate diluted out of range.
DS
     : The result for Diesel is an unknown hydrocarbon which consists of several peaks.
DΧ
     : Compound quantitated at a 2X dilution factor.
FΑ
     : Compound quantitated at a 5X dilution factor.
FB
     : Compound quantitated at a 10% dilution factor.
FC
     : Compound quantitated at a 20% dilution factor.
FD
     : Compound quantitated at a 50% dilution factor.
FΕ
      : Compound quantitated at a 100% dilution factor.
FF
      : Compound quantitated at a 200% dilution factor.
FG
      : Compound quantitated at a 500X dilution factor.
FΗ
      : Compound quantitated at a 1000X dilution factor.
\Gamma T
      : Compound quantitated at a greater than 1000x dilution factor.
Fil
      : Compound quantitated at a 25% dilution factor.
 FK
      : Compound quantitated at a 250X dilution factor.
 FL
        The result has an atypical pattern for Gasoline.
 G-
        The result for Gasoline is an unknown single peak.
 G1
      : The result appears to be a heavier hydrocarbon than Gasoline.
 GH
      : The result appears to be a lighter hydrocarbon than Gasoline.
 GL
      : The result for Gasoline is an unknown hydrocarbon which consists of several peaks.
 GX
      : Analysis performed outside of the method specified holding time.
 HT
      : Confirmation analyzed outside of the method specified holding time.
 HTC
      : Prep procedure performed outside of the method specified holding time.
 HTP
      : Received after holding time expired, analyzed ASAP after receipt.
 HTR
      : Peaks detected within the quantitation range do not match standard used.
 HX
      : Value is estimated.
 J
      : Matrix Interference Suspected.
      : Value determined by Method of Standard Additions.
 MSA* : Value obtained by Method of Standard Additions; Correlation coefficient is <0.995.
      : Sample spikes outside of QC limits; matrix interference suspected.
 NI1
       : Sample concentration is greater than 4X the spiked value; the spiked value is
 NI2
         considered insignificant.
       : Matrix Spike values exceed established QC limits, post digestion spike is in
 NI3
         control.
       : MS/MSD outside of control limits, serial dilution within control.
  NI4
       : There is >40% difference between primary and confirmation analysis.
  Þ
       : pH of sample > 2; sample analyzed past 7 days.
  ₽7
       : Refer to subcontract laboratory report for QC data.
  RSC
       : Matrix interference confirmed by repeat analysis.
  S2
       : Thiocyanate not analyzed separately; total value is below the Reporting Limit for
  SCN
         Free Cyanide.
       : Analysis performed by Selective Ion Monitoring.
  SIM
       : Conc. of the total analyte ND; therefore this analyte is ND also.
  UMDL : Undetected at the Method Detection Limit.
       : Unable to perform requested analysis.
```

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KEY TO ABBREVIATIONS

: Initial Calibration Verification Standard (External Standard).

: Average; sum of measurements divided by number of measurements.

19/Kg : Concentration in units of milligrams of analyte per kilogram of sample.

: Concentration in units of milligrams of analyte per liter of sample.

aL/L/hr : Milliliters per liter per hour.

4PN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.

I/A : Not applicable.

NA : Not analyzed.

ıean

ag/L

ug/L

ND : Not detected.

TTU : Nephelometric turbidity units.

RPD : Relative percent difference.

SNA : Standard not available.

ug/Kg : Concentration in units of micrograms of analyte per kilogram of sample.

: Concentration in units of micrograms of analyte per liter of sample.

umhos/cm : Micromhos per centimeter.

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A n a l y 6636 N. I 6anta Ros 707.526.7 6AMPLE PRINT NAM	CHAIN OF CUSTODY RECORD COMPANY AMBRITA FIVE TECH ADDRESS 1/44 65 th ST. PHONE 5/0-4/20 0700 FAX 5/0-4/20-9/70 PROJECT NAME/LOCATION DAK-00 Z PROJECT NUMBER 13-105-107 PROJECT MANAGER TOWN Esquare ANALYSES TURE # and Type of Containers											P.O LEC To assist Is this wo compliant Is this wo	REPORT TO: Jehn Espland ZA INVOICE TO: P.O. NO. LEGEND QUOTE NO. To assist us in selecting the proper method Is this work being conducted for regulatory compliance monitoring? Yes No. No.												
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