Report Number : 48916

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 3/20/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Tert-Butanol	48928-06	<5.0	200	200	200	205	ug/L	EPA 8260B	3/17/06	99.9	102	2.58	70-130	25
Methyl-t-Butyl Ether	48928-06	<0.50	40.0	40.0	35.0	41.4	ug/L	EPA 8260B	3/17/06	87.5	103	16.6	70-130	25
Benzene	48916-12	<0.50	40.0	40.0	42.3	41.0	ug/L	EPA 8260B	3/16/06	106	103	3.09	70-130	25
Toluene	48916-12	<0.50	40.0	40.0	39.5	38.4	ug/L	EPA 8260B	3/16/06	98.8	96.1	2.77	70-130	25
Tert-Butanol	48916-12	<5.0	200	200	208	207	ug/L	EPA 8260B	3/16/06	104	104	0.174	70-130	25
Methyl-t-Butyl Ether	48916-12	1.2	40.0	40.0	43.2	42.5	ug/L	EPA 8260B	3/16/06	105	103	1.86	70-130	25
Benzene	48916-15	35	40.0	40.0	72.2	69.0	ug/L	EPA 8260B	3/16/06	92.4	84.5	8.90	70-130	25
Toluene	48916-15	3.0	40.0	40.0	39.0	37.2	ug/L	EPA 8260B	3/16/06	90.0	85.4	5.26	70-130	25
Tert-Butanol	48916-15	<5.0	200	200	182	179	ug/L	EPA 8260B	3/16/06	91.0	89.6	1.66	70-130	25
Methyl-t-Butyl Ether	48916-15	7.1	40.0	40.0	50.9	50.6	ug/L	EPA 8260B	3/16/06	110	109	0.633	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48916

QC Report : Laboratory Control Sample (LCS)

Date : 3/20/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	3/16/06	104	70-130
Toluene	40.0	ug/L	EPA 8260B	3/16/06	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/16/06	97.5	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/16/06	104	70-130
Benzene	40.0	ug/L	EPA 8260B	3/17/06	101	70-130
Toluene	40.0	ug/L	EPA 8260B	3/17/06	98.9	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/17/06	96.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/17/06	104	70-130
Benzene	40.0	ug/L	EPA 8260B	3/17/06	106	70-130
Toluene	40.0	ug/L	EPA 8260B	3/17/06	104	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/17/06	97.8	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/17/06	100	70-130
Benzene	40.0	ug/L	EPA 8260B	3/16/06	95.5	70-130
Toluene	40.0	ug/L	EPA 8260B	3/16/06	98.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/16/06	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/16/06	98.4	70-130
Benzene	40.0	ug/L	EPA 8260B	3/17/06	109	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48916

QC Report : Laboratory Control Sample (LCS)

Date : 3/20/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	3/17/06	109	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/17/06	102	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/17/06	105	70-130
Benzene	40.0	ug/L	EPA 8260B	3/16/06	100	70-130
Toluene	40.0	ug/L	EPA 8260B	3/16/06	95.5	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/16/06	98.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/16/06	103	70-130
Benzene	40.0	ug/L	EPA 8260B	3/16/06	94.6	70-130
Toluene	40.0	ug/L	EPA 8260B	3/16/06	90.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/16/06	88.8	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/16/06	115	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 48916

Page 1 of 3

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Scott Ferriman

California EDF Report? ☒ Yes ☐ No

Company / Address: Blue Rock Env. Inc. 535 3rd St. Ste. 100 Eureka, CA

Sampling Company Log Code:

Phone #: (707) 441-1934 Fax #: (707) 441-1949

Global ID: T0602300085

Project #: FNC-3 P.O. #:

EDF Deliverable To (Email Address): scott@bluerockenv.com

Project Name: Fortuna Beacon

Sampler Signature: James Linderman

Project Address: 390 S. Fortuna Blvd Fortuna, CA

Analysis Request

Sample Designation	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO_3	None	Water	Soil	Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TAT ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk	For Lab Use Only
MW-1	3/8/06	1545	3					X			X				X	X	X											X	01
MW-2	3/8/06	1340	3					X			X				X	X	X											X	02
MW-3	3/8/06	1430	3					X			X				X	X	X											X	03
MW-4	3/8/06	1505	3					X			X				X	X	X											X	04
MW-5	3/8/06	1650	3					X			X				X	X	X											X	05
~~MW-6~~			3					X			X				X	X	X											X	
MW-7	3/8/06	815	3					X			X				X	X	X											X	06
MW-11	3/9/06	1340	3					X			X				X	X	X											X	07
MW-12	3/9/06	1400	3					X			X				X	X	X											X	08
MW-13	3/9/06	905	3					X			X				X	X	X											X	09

Relinquished by:	Date	Time	Received by:
James Linderman	3/14/06		Fed Ex
	031506	1303	Received by Laboratory: Kiff Analytical [signature]

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
2.6	JLB	031506	1303	[illegible]	Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 48916

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Scott Ferriman

California EDF Report? ☒ Yes ☐ No

Company / Address: Blue Rock Env. Inc. 535 3rd st. Ste. 100 Eureka, CA

Sampling Company Log Code:

Phone #: (707) 441-1934 Fax #: (707) 441-1949

Global ID: T0602300085

Project #: ENC-3 P.O. #:

EDF Deliverable To (Email Address): scott@bluerockenv.com

Project Name: Fortuna Beacon

Sampler Signature: Nance Linderman

Project Address: 390 S. Fortuna Blvd Fortuna, CA

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar	Preservative: HCl	HNO_3	None	Matrix: Water	Soil	Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TAT: 12 hr	24 hr	48 hr	72 hr	1 wk	For Lab Use Only
MW-14	3/8/06	1245	3					X			X				X	X	X															X	10
MW-15	3/8/06	1215	3					X			X				X	X	X															X	11
DW-1	3/9/06	1040	3					X			X				X	X	X															X	12
DW-2	3/8/06	1310	3					X			X				X	X	X															X	13
DW-3	3/9/06	1320	3					X			X				X	X	X															X	14
RW-5	3/8/06	1610	3					X			X				X	X	X															X	15
MW-17A	3/9/06	1115	3					X			X				X	X	X															X	16
MW-17B	3/9/06	1135	3					X			X				X	X	X															X	17
MW-18A	3/9/06	1155	3					X			X				X	X	X															X	18
MW-18B	3/9/06	1215	3					X			X				X	X	X															X	19

Relinquished by:	Date	Time	Received by:
Nance Linderman	3/14/06		Fed Ex
	031506	1503	KIFF Analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 48916

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Scott Ferriman

California EDF Report? ☒ Yes ☐ No

Company / Address: Blue Rock Env. Inc. 535 3rd St. Ste. 100 Eureka, CA

Sampling Company Log Code:

Phone #: (707) 441-1934 Fax #: (707) 441-1949

Global ID: T0602300085

Project #: ENC-3 P.O. #:

EDF Deliverable To (Email Address): scott@bluerockenv.com

Project Name: Fortuna Beacon

Sampler Signature: James Lindemann

Project Address: 390 S. Fortuna Blvd Fortuna, CA

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar		Preservative: HCl	HNO_3	None			Matrix: Water	Soil	Air		MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)				TAT: 12 hr / 24 hr / 48 hr / 72 hr / 1 wk	For Lab Use Only
MW-19A	3/9/06	1235	3						X					X					X	X	X														X	20
MW-19B	3/9/06	1255	3						X					X					X	X	X														X	21

Relinquished by:	Date	Time	Received by:
James Lindemann	3/14/06		Fed Ex
	03/15/06	1303	Kiff Analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 47758
Date : 1/9/2006

Scott Ferriman
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 3 Water Samples
Project Name : Former Fortuna Beacon
Project Number : FNC-3

Dear Mr. Ferriman,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 47758

Date : 1/9/2006

Project Name : **Former Fortuna Beacon**

Project Number : **FNC-3**

Sample : **EX-1** Matrix : Water Lab Number : 47758-01

Sample Date :1/3/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**250**	0.50	ug/L	EPA 8260B	1/5/2006
Toluene	**9.0**	0.50	ug/L	EPA 8260B	1/5/2006
Ethylbenzene	**19**	0.50	ug/L	EPA 8260B	1/5/2006
Total Xylenes	**14**	0.50	ug/L	EPA 8260B	1/5/2006
Methyl-t-butyl ether (MTBE)	**8.6**	0.50	ug/L	EPA 8260B	1/5/2006
TPH as Gasoline	**1100**	50	ug/L	EPA 8260B	1/5/2006
Toluene - d8 (Surr)	97.0		% Recovery	EPA 8260B	1/5/2006
4-Bromofluorobenzene (Surr)	97.0		% Recovery	EPA 8260B	1/5/2006

Sample : **EX-2** Matrix : Water Lab Number : 47758-02

Sample Date :1/3/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1400**	15	ug/L	EPA 8260B	1/6/2006
Toluene	**5700**	15	ug/L	EPA 8260B	1/6/2006
Ethylbenzene	**2200**	15	ug/L	EPA 8260B	1/6/2006
Total Xylenes	**12000**	25	ug/L	EPA 8260B	1/5/2006
Methyl-t-butyl ether (MTBE)	**< 15**	15	ug/L	EPA 8260B	1/6/2006
TPH as Gasoline	**68000**	1500	ug/L	EPA 8260B	1/6/2006
Toluene - d8 (Surr)	93.9		% Recovery	EPA 8260B	1/6/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	1/6/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 47758

Date : 1/9/2006

Project Name : **Former Fortuna Beacon**

Project Number : **FNC-3**

Sample : **EFF Main** Matrix : Water Lab Number : 47758-03

Sample Date :1/3/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	1/5/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	1/5/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	1/5/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	1/5/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	1/5/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	1/5/2006
Toluene - d8 (Surr)	97.4		% Recovery	EPA 8260B	1/5/2006
4-Bromofluorobenzene (Surr)	97.6		% Recovery	EPA 8260B	1/5/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 47758

Date : 1/9/2006

QC Report : Method Blank Data

Project Name : **Former Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/6/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/6/2006
Toluene - d8 (Surr)	99.1		%	EPA 8260B	1/6/2006
4-Bromofluorobenzene (Surr)	97.2		%	EPA 8260B	1/6/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/5/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/5/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/5/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/5/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/5/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/5/2006
Toluene - d8 (Surr)	97.3		%	EPA 8260B	1/5/2006
4-Bromofluorobenzene (Surr)	96.0		%	EPA 8260B	1/5/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/5/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 47758

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 1/9/2006

Project Name : **Former Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	47752-03	<0.50	39.8	39.1	44.4	44.6	ug/L	EPA 8260B	1/6/06	112	114	2.34	70-130	25
Toluene	47752-03	<0.50	39.8	39.1	42.4	42.7	ug/L	EPA 8260B	1/6/06	107	109	2.30	70-130	25
Tert-Butanol	47752-03	<5.0	199	195	198	208	ug/L	EPA 8260B	1/6/06	99.8	106	6.53	70-130	25
Methyl-t-Butyl Ether	47752-03	<0.50	39.8	39.1	38.2	38.8	ug/L	EPA 8260B	1/6/06	96.0	99.4	3.49	70-130	25
Benzene	47755-01	<0.50	40.0	40.0	42.4	41.9	ug/L	EPA 8260B	1/5/06	106	105	1.03	70-130	25
Toluene	47755-01	<0.50	40.0	40.0	40.4	39.8	ug/L	EPA 8260B	1/5/06	101	99.4	1.49	70-130	25
Tert-Butanol	47755-01	<5.0	200	200	199	202	ug/L	EPA 8260B	1/5/06	99.4	101	1.81	70-130	25
Methyl-t-Butyl Ether	47755-01	<0.50	40.0	40.0	35.6	35.3	ug/L	EPA 8260B	1/5/06	89.0	88.3	0.842	70-130	25
Benzene	47755-07	<0.50	40.0	40.0	44.2	42.4	ug/L	EPA 8260B	1/5/06	110	106	4.13	70-130	25
Toluene	47755-07	<0.50	40.0	40.0	46.9	44.6	ug/L	EPA 8260B	1/5/06	117	112	4.96	70-130	25
Tert-Butanol	47755-07	<5.0	200	200	214	208	ug/L	EPA 8260B	1/5/06	107	104	2.57	70-130	25
Methyl-t-Butyl Ether	47755-07	7.0	40.0	40.0	43.3	42.2	ug/L	EPA 8260B	1/5/06	90.8	88.0	3.14	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 47758

QC Report : Laboratory Control Sample (LCS)

Date : 1/9/2006

Project Name : **Former Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	1/6/06	114	70-130
Toluene	40.0	ug/L	EPA 8260B	1/6/06	109	70-130
Tert-Butanol	200	ug/L	EPA 8260B	1/6/06	102	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/6/06	97.8	70-130
Benzene	40.0	ug/L	EPA 8260B	1/5/06	101	70-130
Toluene	40.0	ug/L	EPA 8260B	1/5/06	100	70-130
Tert-Butanol	200	ug/L	EPA 8260B	1/5/06	97.7	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/5/06	90.4	70-130
Benzene	40.0	ug/L	EPA 8260B	1/5/06	106	70-130
Toluene	40.0	ug/L	EPA 8260B	1/5/06	117	70-130
Tert-Butanol	200	ug/L	EPA 8260B	1/5/06	107	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/5/06	92.6	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 47758

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Scott Ferriman

California EDF Report? ☐ Yes ☒ No

Company / Address: Blue Rock Env. Inc. 535 3rd St. Ste. 100 Eureka, CA

Sampling Company Log Code:

Phone #: (707) 441-1934 Fax #: (707) 441-1949

Global ID:

Project #: FNC-3 P.O. #:

EDF Deliverable To (Email Address):

Project Name: Former Fortuna Beacon

Sampler Signature: James Linderman

Project Address: 390 S. Fortuna Blvd. Fortuna, CA

Analysis Request

Sample Designation	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO_3	None	Water	Soil	Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TAT ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk	For Lab Use Only
✓ Ex-1	1/3/06	10:35	3					X			X				X	X	X											X	01
✓ Ex-2	↓	10:45	3					X			X				X	X	X											X	02
✓ EFF Main	↓	10:25	3					X			X				X	X	X											X	03

Relinquished by:	Date	Time	Received by:
James Linderman	1/3/06		Fed Ex
	010406	1145	Received by Laboratory: Thomas Ahern Kiff Analytical LLC

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
3.4	TJA	010406	1135	IR-1	Yes No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 48701
Date : 3/9/2006

Scott Ferriman
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 3 Water Samples
Project Name : Fortuna Beacon
Project Number : FNC-3

Dear Mr. Ferriman,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 48701
Date : 3/9/2006

Subject : 3 Water Samples
Project Name : Fortuna Beacon
Project Number : FNC-3

Case Narrative

Matrix Spike/Matrix Spike Duplicate Results associated with sample EX-2 INF for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

Approved By: Joel Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48701

Date : 3/9/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Sample : **EX-1 INF** Matrix : Water Lab Number : 48701-01

Sample Date :3/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**470**	1.0	ug/L	EPA 8260B	3/4/2006
Toluene	**180**	0.50	ug/L	EPA 8260B	3/4/2006
Ethylbenzene	**110**	0.50	ug/L	EPA 8260B	3/4/2006
Total Xylenes	**150**	0.50	ug/L	EPA 8260B	3/4/2006
Methyl-t-butyl ether (MTBE)	**24**	0.50	ug/L	EPA 8260B	3/4/2006
TPH as Gasoline	**3300**	50	ug/L	EPA 8260B	3/4/2006
Toluene - d8 (Surr)	97.0		% Recovery	EPA 8260B	3/4/2006
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	3/4/2006

Sample : **EX-2 INF** Matrix : Water Lab Number : 48701-02

Sample Date :3/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**500**	4.0	ug/L	EPA 8260B	3/5/2006
Toluene	**1300**	4.0	ug/L	EPA 8260B	3/5/2006
Ethylbenzene	**410**	4.0	ug/L	EPA 8260B	3/5/2006
Total Xylenes	**2400**	15	ug/L	EPA 8260B	3/4/2006
Methyl-t-butyl ether (MTBE)	**< 4.0**	4.0	ug/L	EPA 8260B	3/5/2006
TPH as Gasoline	**17000**	400	ug/L	EPA 8260B	3/5/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	3/5/2006
4-Bromofluorobenzene (Surr)	95.8		% Recovery	EPA 8260B	3/5/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48701

Date : 3/9/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Sample : **EFF-Main** Matrix : Water Lab Number : 48701-03

Sample Date :3/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/3/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/3/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/3/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/3/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/3/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/3/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	3/3/2006
4-Bromofluorobenzene (Surr)	96.0		% Recovery	EPA 8260B	3/3/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48701

Date : 3/9/2006

QC Report : Method Blank Data

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/4/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/3/2006
Toluene - d8 (Surr)	102		%	EPA 8260B	3/3/2006
4-Bromofluorobenzene (Surr)	97.3		%	EPA 8260B	3/3/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/5/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/5/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/5/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/5/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/5/2006
Toluene - d8 (Surr)	102		%	EPA 8260B	3/5/2006
4-Bromofluorobenzene (Surr)	94.2		%	EPA 8260B	3/5/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/3/2006
Toluene - d8 (Surr)	97.4		%	EPA 8260B	3/3/2006
4-Bromofluorobenzene (Surr)	108		%	EPA 8260B	3/3/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48701

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 3/9/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	48703-02	<0.50	38.5	39.6	40.5	41.6	ug/L	EPA 8260B	3/4/06	105	105	0.179	70-130	25
Toluene	48703-02	<0.50	38.5	39.6	39.4	40.8	ug/L	EPA 8260B	3/4/06	102	103	0.508	70-130	25
Tert-Butanol	48703-02	<5.0	192	198	196	197	ug/L	EPA 8260B	3/4/06	102	99.7	2.04	70-130	25
Methyl-t-Butyl Ether	48703-02	<0.50	38.5	39.6	38.0	39.5	ug/L	EPA 8260B	3/4/06	98.9	99.7	0.835	70-130	25
Benzene	48701-03	<0.50	40.0	40.0	41.3	39.3	ug/L	EPA 8260B	3/3/06	103	98.2	5.06	70-130	25
Toluene	48701-03	<0.50	40.0	40.0	40.8	38.4	ug/L	EPA 8260B	3/3/06	102	95.9	6.27	70-130	25
Tert-Butanol	48701-03	11	200	200	220	219	ug/L	EPA 8260B	3/3/06	104	104	0.409	70-130	25
Methyl-t-Butyl Ether	48701-03	<0.50	40.0	40.0	40.0	38.6	ug/L	EPA 8260B	3/3/06	100	96.5	3.61	70-130	25
Benzene	48722-01	<0.50	40.0	40.0	40.8	40.1	ug/L	EPA 8260B	3/5/06	102	100	1.81	70-130	25
Toluene	48722-01	<0.50	40.0	40.0	41.5	40.7	ug/L	EPA 8260B	3/5/06	104	102	1.96	70-130	25
Tert-Butanol	48722-01	<5.0	200	200	214	214	ug/L	EPA 8260B	3/5/06	107	107	0.0417	70-130	25
Methyl-t-Butyl Ether	48722-01	150	40.0	40.0	209	206	ug/L	EPA 8260B	3/5/06	141	134	5.38	70-130	25
Benzene	48688-02	<0.50	40.0	40.0	41.5	42.8	ug/L	EPA 8260B	3/3/06	104	107	3.06	70-130	25
Toluene	48688-02	<0.50	40.0	40.0	41.7	43.4	ug/L	EPA 8260B	3/3/06	104	109	4.01	70-130	25
Tert-Butanol	48688-02	<5.0	200	200	198	207	ug/L	EPA 8260B	3/3/06	98.8	104	4.71	70-130	25
Methyl-t-Butyl Ether	48688-02	<0.50	40.0	40.0	38.1	40.1	ug/L	EPA 8260B	3/3/06	95.2	100	5.10	70-130	25
Benzene	48693-09	<0.50	40.0	40.0	41.2	40.4	ug/L	EPA 8260B	3/3/06	103	101	2.08	70-130	25
Toluene	48693-09	<0.50	40.0	40.0	39.4	38.5	ug/L	EPA 8260B	3/3/06	98.4	96.3	2.15	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48701

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 3/9/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Tert-Butanol	48693-09	19	200	200	221	221	ug/L	EPA 8260B	3/3/06	101	101	0.179	70-130	25
Methyl-t-Butyl Ether	48693-09	300	40.0	40.0	341	338	ug/L	EPA 8260B	3/3/06	93.7	87.7	6.60	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48701

QC Report : Laboratory Control Sample (LCS)

Date : 3/9/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	3/4/06	105	70-130
Toluene	40.0	ug/L	EPA 8260B	3/4/06	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/4/06	99.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/4/06	101	70-130
Benzene	40.0	ug/L	EPA 8260B	3/3/06	90.4	70-130
Toluene	40.0	ug/L	EPA 8260B	3/3/06	94.0	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/3/06	98.8	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/3/06	92.1	70-130
Benzene	40.0	ug/L	EPA 8260B	3/5/06	90.5	70-130
Toluene	40.0	ug/L	EPA 8260B	3/5/06	98.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/5/06	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/5/06	98.4	70-130
Benzene	40.0	ug/L	EPA 8260B	3/3/06	109	70-130
Toluene	40.0	ug/L	EPA 8260B	3/3/06	110	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/3/06	104	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/3/06	100	70-130
Benzene	40.0	ug/L	EPA 8260B	3/3/06	91.0	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48701

QC Report : Laboratory Control Sample (LCS)

Date : 3/9/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	3/3/06	91.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/3/06	95.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/3/06	92.2	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 48701

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Scott Ferrimark

California EDF Report? ☐ Yes ☒ No

Company / Address: Blue Rock Env. - Eureka

Sampling Company Log Code:

Phone #: 707-441-1934 Fax #: 707-441-1949

Global ID:

Project #: FNC-3 P.O. #:

EDF Deliverable To (Email Address):

Project Name: Fortuna Beacon

Sampler Signature: [signature]

Project Address: 390 S. Fortuna Blvd Fortuna, CA

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar		Preservative: HCl	HNO_3	None			Matrix: Water	Soil	Air		MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)				TAT: 12 hr / 24 hr / 48 hr / 72 hr / 1 wk	For Lab Use Only
EX-1 INF	3/2/06	8:25	3						X					X					X	X	X														X	01
EX-2 INF	3/2/06	8:35	3						X					X					X	X	X														X	02
EFF-Main	3/2/06	8:45	3						X					X					X	X	X														X	03

Relinquished by:	Date	Time	Received by:
[signature]	3/2/06		Fed Ex
	030306	1107	Roz McLee (Kiff Analytical)

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
3.8	RLM	030306	1038	IR-1	Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 47415
Date : 12/20/2005

Scott Ferriman
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 12 Soil Samples
Project Name : Former Fortuna Beacon
Project Number : FNC-3

Dear Mr. Ferriman,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 47415
Date : 12/20/2005

Subject : 12 Soil Samples
Project Name : Former Fortuna Beacon
Project Number : FNC-3

Case Narrative

Matrix Spike/Matrix Spike Duplicate Results associated with samples MW-17B@5', MW-18B@10', MW-18B@15', MW-19B@5', MW-19B@10', MW-19B@15', MW-18B@5', MW-18B@20', MW-19B@20', and MW-17B@20' for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

Matrix Spike/Matrix Spike Duplicate Results associated with sample MW-17B @ 20' for the analyte Methyl-t-butyl ether were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Approved By: Joel Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 47415

Date : 12/20/2005

Project Name : **Former Fortuna Beacon**

Project Number : **FNC-3**

Sample : **MW-17B@5'** Matrix : Soil Lab Number : 47415-01

Sample Date :12/12/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/15/2005
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	12/15/2005
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	12/15/2005
4-Bromofluorobenzene (Surr)	95.8		% Recovery	EPA 8260B	12/15/2005

Sample : **MW-17B@10'** Matrix : Soil Lab Number : 47415-02

Sample Date :12/12/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.031**	0.0050	mg/Kg	EPA 8260B	12/17/2005
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/17/2005
Ethylbenzene	**0.023**	0.0050	mg/Kg	EPA 8260B	12/17/2005
Total Xylenes	**0.019**	0.0050	mg/Kg	EPA 8260B	12/17/2005
Methyl-t-butyl ether (MTBE)	**0.010**	0.0050	mg/Kg	EPA 8260B	12/17/2005
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	12/17/2005
Toluene - d8 (Surr)	98.3		% Recovery	EPA 8260B	12/17/2005
4-Bromofluorobenzene (Surr)	91.9		% Recovery	EPA 8260B	12/17/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 47415

Date : 12/20/2005

Project Name : **Former Fortuna Beacon**

Project Number : **FNC-3**

Sample : **MW-17B@15'** Matrix : Soil Lab Number : 47415-03

Sample Date :12/12/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.042**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Toluene	**0.014**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Ethylbenzene	**0.038**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Total Xylenes	**0.088**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Methyl-t-butyl ether (MTBE)	**0.013**	0.0050	mg/Kg	EPA 8260B	12/16/2005
TPH as Gasoline	**3.4**	2.5	mg/Kg	EPA 8260B	12/16/2005
Toluene - d8 (Surr)	96.5		% Recovery	EPA 8260B	12/16/2005
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	12/16/2005

Sample : **MW-17B@20'** Matrix : Soil Lab Number : 47415-04

Sample Date :12/12/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**4.7**	0.25	mg/Kg	EPA 8260B	12/18/2005
Toluene	**25**	0.25	mg/Kg	EPA 8260B	12/18/2005
Ethylbenzene	**7.3**	0.25	mg/Kg	EPA 8260B	12/18/2005
Total Xylenes	**39**	0.25	mg/Kg	EPA 8260B	12/18/2005
Methyl-t-butyl ether (MTBE)	**0.12**	0.0050	mg/Kg	EPA 8260B	12/16/2005
TPH as Gasoline	**390**	20	mg/Kg	EPA 8260B	12/18/2005
Toluene - d8 (Surr)	92.4		% Recovery	EPA 8260B	12/18/2005
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	12/18/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 47415

Date : 12/20/2005

Project Name : **Former Fortuna Beacon**

Project Number : **FNC-3**

Sample : **MW-18B@5'** Matrix : Soil Lab Number : 47415-05

Sample Date :12/12/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.012**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Ethylbenzene	**0.20**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Total Xylenes	**0.43**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/16/2005
TPH as Gasoline	**420**	50	mg/Kg	EPA 8260B	12/18/2005
Toluene - d8 (Surr)	97.1		% Recovery	EPA 8260B	12/16/2005
4-Bromofluorobenzene (Surr)	94.9		% Recovery	EPA 8260B	12/16/2005

Sample : **MW-18B@10'** Matrix : Soil Lab Number : 47415-06

Sample Date :12/12/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.23**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Ethylbenzene	**0.034**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Total Xylenes	**0.48**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Methyl-t-butyl ether (MTBE)	**0.052**	0.0050	mg/Kg	EPA 8260B	12/15/2005
TPH as Gasoline	**4.6**	1.0	mg/Kg	EPA 8260B	12/15/2005
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	12/15/2005
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	12/15/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 47415

Date : 12/20/2005

Project Name : **Former Fortuna Beacon**

Project Number : **FNC-3**

Sample : **MW-18B@15'** Matrix : Soil Lab Number : 47415-07

Sample Date :12/12/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.34**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Ethylbenzene	**0.0079**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Total Xylenes	**0.028**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/15/2005
TPH as Gasoline	**1.7**	1.0	mg/Kg	EPA 8260B	12/15/2005
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	12/15/2005
4-Bromofluorobenzene (Surr)	98.8		% Recovery	EPA 8260B	12/15/2005

Sample : **MW-18B@20'** Matrix : Soil Lab Number : 47415-08

Sample Date :12/12/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.8**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Toluene	**3.7**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Ethylbenzene	**0.65**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Total Xylenes	**2.8**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Methyl-t-butyl ether (MTBE)	**0.0059**	0.0050	mg/Kg	EPA 8260B	12/16/2005
TPH as Gasoline	**21**	1.0	mg/Kg	EPA 8260B	12/16/2005
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	12/16/2005
4-Bromofluorobenzene (Surr)	94.2		% Recovery	EPA 8260B	12/16/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 47415

Date : 12/20/2005

Project Name : **Former Fortuna Beacon**

Project Number : **FNC-3**

Sample : **MW-19B@5'** Matrix : Soil Lab Number : 47415-09

Sample Date :12/12/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/15/2005
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/15/2005
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	12/15/2005
Toluene - d8 (Surr)	98.3		% Recovery	EPA 8260B	12/15/2005
4-Bromofluorobenzene (Surr)	98.5		% Recovery	EPA 8260B	12/15/2005

Sample : **MW-19B@10'** Matrix : Soil Lab Number : 47415-10

Sample Date :12/12/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Methyl-t-butyl ether (MTBE)	**0.0054**	0.0050	mg/Kg	EPA 8260B	12/16/2005
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	12/16/2005
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	12/16/2005
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	12/16/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 47415

Date : 12/20/2005

Project Name : **Former Fortuna Beacon**

Project Number : **FNC-3**

Sample : **MW-19B@15'** Matrix : Soil Lab Number : 47415-11

Sample Date :12/12/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.0075**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Toluene	**0.0055**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Ethylbenzene	**0.011**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Total Xylenes	**0.017**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/16/2005
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	12/16/2005
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	12/16/2005
4-Bromofluorobenzene (Surr)	98.6		% Recovery	EPA 8260B	12/16/2005

Sample : **MW-19B@20'** Matrix : Soil Lab Number : 47415-12

Sample Date :12/12/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.25**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Toluene	**0.33**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Ethylbenzene	**0.24**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Total Xylenes	**0.99**	0.0050	mg/Kg	EPA 8260B	12/16/2005
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/16/2005
TPH as Gasoline	**7.3**	1.0	mg/Kg	EPA 8260B	12/16/2005
Toluene - d8 (Surr)	98.5		% Recovery	EPA 8260B	12/16/2005
4-Bromofluorobenzene (Surr)	94.5		% Recovery	EPA 8260B	12/16/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 47415

Date : 12/20/2005

QC Report : Method Blank Data

Project Name : **Former Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/15/2005
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/15/2005
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/15/2005
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/15/2005
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/15/2005
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	12/15/2005
Toluene - d8 (Surr)	98.6		%	EPA 8260B	12/15/2005
4-Bromofluorobenzene (Surr)	96.3		%	EPA 8260B	12/15/2005
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/15/2005
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/15/2005
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/15/2005
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/15/2005
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/15/2005
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	12/15/2005
Toluene - d8 (Surr)	99.3		%	EPA 8260B	12/15/2005
4-Bromofluorobenzene (Surr)	96.3		%	EPA 8260B	12/15/2005
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	12/16/2005
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/17/2005
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/17/2005
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/17/2005
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/17/2005
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	12/17/2005
Toluene - d8 (Surr)	99.6		%	EPA 8260B	12/17/2005
4-Bromofluorobenzene (Surr)	97.5		%	EPA 8260B	12/17/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 47415

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 12/20/2005

Project Name : **Former Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	47428-03	<0.0050	0.0398	0.0400	0.0388	0.0374	mg/Kg	EPA 8260B	12/15/05	97.7	93.6	4.25	70-130	25
Toluene	47428-03	<0.0050	0.0398	0.0400	0.0382	0.0369	mg/Kg	EPA 8260B	12/15/05	96.0	92.2	4.00	70-130	25
Tert-Butanol	47428-03	0.012	0.199	0.200	0.190	0.181	mg/Kg	EPA 8260B	12/15/05	89.6	84.7	5.68	70-130	25
Methyl-t-Butyl Ether	47428-03	0.045	0.0398	0.0400	0.0619	0.0569	mg/Kg	EPA 8260B	12/15/05	41.5	28.6	36.6	70-130	25
Benzene	47445-01	<0.0050	0.0399	0.0390	0.0399	0.0370	mg/Kg	EPA 8260B	12/15/05	100	94.9	5.32	70-130	25
Toluene	47445-01	<0.0050	0.0399	0.0390	0.0401	0.0370	mg/Kg	EPA 8260B	12/15/05	100	95.0	5.54	70-130	25
Tert-Butanol	47445-01	<0.0050	0.200	0.195	0.183	0.165	mg/Kg	EPA 8260B	12/15/05	91.6	84.7	7.81	70-130	25
Methyl-t-Butyl Ether	47445-01	<0.0050	0.0399	0.0390	0.0377	0.0342	mg/Kg	EPA 8260B	12/15/05	94.5	87.7	7.48	70-130	25
Benzene	47419-04	<0.0050	0.0376	0.0406	0.0347	0.0374	mg/Kg	EPA 8260B	12/16/05	92.4	92.0	0.425	70-130	25
Toluene	47419-04	<0.0050	0.0376	0.0406	0.0330	0.0348	mg/Kg	EPA 8260B	12/16/05	87.9	85.5	2.80	70-130	25
Tert-Butanol	47419-04	<0.0050	0.188	0.203	0.169	0.178	mg/Kg	EPA 8260B	12/16/05	89.9	87.4	2.84	70-130	25
Methyl-t-Butyl Ether	47419-04	0.0088	0.0376	0.0406	0.0382	0.0366	mg/Kg	EPA 8260B	12/16/05	78.3	68.5	13.3	70-130	25
Benzene	47490-01	<0.0050	0.0373	0.0373	0.0341	0.0296	mg/Kg	EPA 8260B	12/17/05	91.3	79.4	14.0	70-130	25
Toluene	47490-01	<0.0050	0.0373	0.0373	0.0366	0.0314	mg/Kg	EPA 8260B	12/17/05	98.1	84.3	15.1	70-130	25
Tert-Butanol	47490-01	0.12	0.186	0.186	0.273	0.244	mg/Kg	EPA 8260B	12/17/05	81.4	65.9	21.0	70-130	25
Methyl-t-Butyl Ether	47490-01	0.037	0.0373	0.0373	0.0582	0.0506	mg/Kg	EPA 8260B	12/17/05	55.7	35.4	44.6	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 47415

QC Report : Laboratory Control Sample (LCS)

Date : 12/20/2005

Project Name : **Former Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	0.0400	mg/Kg	EPA 8260B	12/15/05	102	70-130
Toluene	0.0400	mg/Kg	EPA 8260B	12/15/05	99.8	70-130
Tert-Butanol	0.200	mg/Kg	EPA 8260B	12/15/05	91.8	70-130
Methyl-t-Butyl Ether	0.0400	mg/Kg	EPA 8260B	12/15/05	95.3	70-130
Benzene	0.0394	mg/Kg	EPA 8260B	12/15/05	103	70-130
Toluene	0.0394	mg/Kg	EPA 8260B	12/15/05	102	70-130
Tert-Butanol	0.197	mg/Kg	EPA 8260B	12/15/05	94.8	70-130
Methyl-t-Butyl Ether	0.0394	mg/Kg	EPA 8260B	12/15/05	95.4	70-130
Benzene	0.0370	mg/Kg	EPA 8260B	12/16/05	96.0	70-130
Toluene	0.0370	mg/Kg	EPA 8260B	12/16/05	91.1	70-130
Tert-Butanol	0.185	mg/Kg	EPA 8260B	12/16/05	95.0	70-130
Methyl-t-Butyl Ether	0.0370	mg/Kg	EPA 8260B	12/16/05	76.3	70-130
Benzene	0.0374	mg/Kg	EPA 8260B	12/17/05	92.0	70-130
Toluene	0.0374	mg/Kg	EPA 8260B	12/17/05	91.8	70-130
Tert-Butanol	0.187	mg/Kg	EPA 8260B	12/17/05	90.0	70-130
Methyl-t-Butyl Ether	0.0374	mg/Kg	EPA 8260B	12/17/05	74.2	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 47415

Page 1 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Scott Ferriman

California EDF Report? ☒ Yes ☐ No

Company / Address: Blue Rock Env. Inc, 535 3rd St. Ste. 100 Eureka CA

Sampling Company Log Code:

Phone #: (707) 441-1934 Fax #: (707) 441-1949

Global ID: T0602300085

Project #: FNC-3 P.O. #:

EDF Deliverable To (Email Address): scott@bluerockenv.com

Project Name: Former Fortuna Beacon

Sampler Signature: James Linderman

Project Address: 390 S. Fortuna Blvd Fortuna, CA

Analysis Request

TAT: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TAT	For Lab Use Only
MW-17B @ 5'	12/12/05	9:05		X								X			X	X	X											X	01
MW-17B @ 10'	↓	9:20		↓								↓			↓	↓	↓											↓	02
MW-17B @ 15'	↓	9:30		↓								↓			↓	↓	↓											↓	03
MW-17B @ 20'	↓	9:40		↓								↓			↓	↓	↓											↓	04
MW-18B @ 5'	↓	11:50		↓								↓			↓	↓	↓											↓	05
MW-18B @ 10'	↓	11:55		↓								↓			↓	↓	↓											↓	06
MW-18B @ 15'	↓	12:00		↓								↓			↓	↓	↓											↓	07
MW-18B @ 20'	↓	12:05		↓								↓			↓	↓	↓											↓	08
MW-19B @ 5'	↓	14:20		↓								↓			↓	↓	↓											↓	09
MW-19B @ 10'	↓	14:30		↓								↓			↓	↓	↓											↓	10

Relinquished by:	Date	Time	Received by:
James Linderman	12/13/05		Fed Ex
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	121405	0955	Jason N Hamilton Kiff Analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
0.2°C	[illegible]	121405	0955	IR-4	Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 47414

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Scott Ferriman

California EDF Report? ☒ Yes ☐ No

Company / Address: Blue Rock Env. Inc. 535 3rd st. Ste. 100 Eureka, CA

Sampling Company Log Code:

Phone #: (707) 441-1934 Fax #: (707) 441-1949

Global ID: T0602300085

Project #: FNC-3 P.O. #:

EDF Deliverable To (Email Address): scott@bluerockenv.com

Project Name: Former Fortuna Beacon

Sampler Signature: James Linderman

Project Address: 390 S. Fortuna Blvd. Fortuna, CA

Analysis Request

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TAT ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk	For Lab Use Only
MW-19B @ 15'	12/12/05	14:40		X								X			X	X	X												X	11
MW-19B @ 20'	12/12/05	14:45		X								X			X	X	X												X	12

Relinquished by:	Date	Time	Received by:
James Linderman	12/13/05		Fed Ex
	121405	0955	Received by Laboratory: Jason N Hannaly Kiff Analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
0.2°C	JNH	121405	0955	IR-4	Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 48655
Date : 3/7/2006

Scott Ferriman
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 2 Vapor Samples
Project Name : Fortuna Beacon
Project Number : FNC-3

Dear Mr. Ferriman,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48655

Date : 3/7/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Sample : **INF-MW-6** Matrix : Air Lab Number : 48655-01

Sample Date :2/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**23**	1.5	mg/m3	EPA 8260B	3/2/2006
Toluene	**83**	1.5	mg/m3	EPA 8260B	3/2/2006
Ethylbenzene	**26**	1.5	mg/m3	EPA 8260B	3/2/2006
Total Xylenes	**160**	1.5	mg/m3	EPA 8260B	3/2/2006
Methyl-t-butyl ether (MTBE)	**< 1.5**	1.5	mg/m3	EPA 8260B	3/2/2006
Benzene (in ppmv)	**7.2**	0.40	ppmv	EPA 8260B	3/2/2006
Toluene (in ppmv)	**22**	0.40	ppmv	EPA 8260B	3/2/2006
Ethylbenzene (in ppmv)	**6.0**	0.30	ppmv	EPA 8260B	3/2/2006
Total Xylenes (in ppmv)	**37**	0.30	ppmv	EPA 8260B	3/2/2006
Methyl-t-butyl ether (in ppmv)	**< 0.40**	0.40	ppmv	EPA 8260B	3/2/2006
TPH as Gasoline	**9200**	150	mg/m3	EPA 8260B	3/2/2006
TPH as Gasoline (in ppmv)	**2300**	40	ppmv	EPA 8260B	3/2/2006
Toluene - d8 (Surr)	95.6		% Recovery	EPA 8260B	3/2/2006
4-Bromofluorobenzene (Surr)	93.2		% Recovery	EPA 8260B	3/2/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48655

Date : 3/7/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Sample : **INF -EX-2** Matrix : Air Lab Number : 48655-02

Sample Date :2/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**12**	1.5	mg/m3	EPA 8260B	3/2/2006
Toluene	**96**	1.5	mg/m3	EPA 8260B	3/2/2006
Ethylbenzene	**72**	1.5	mg/m3	EPA 8260B	3/2/2006
Total Xylenes	**430**	1.5	mg/m3	EPA 8260B	3/2/2006
Methyl-t-butyl ether (MTBE)	**< 1.5**	1.5	mg/m3	EPA 8260B	3/2/2006
Benzene (in ppmv)	**3.8**	0.40	ppmv	EPA 8260B	3/2/2006
Toluene (in ppmv)	**25**	0.40	ppmv	EPA 8260B	3/2/2006
Ethylbenzene (in ppmv)	**16**	0.30	ppmv	EPA 8260B	3/2/2006
Total Xylenes (in ppmv)	**98**	0.30	ppmv	EPA 8260B	3/2/2006
Methyl-t-butyl ether (in ppmv)	**< 0.40**	0.40	ppmv	EPA 8260B	3/2/2006
TPH as Gasoline	**10000**	150	mg/m3	EPA 8260B	3/2/2006
TPH as Gasoline (in ppmv)	**2700**	40	ppmv	EPA 8260B	3/2/2006
Toluene - d8 (Surr)	95.8		% Recovery	EPA 8260B	3/2/2006
4-Bromofluorobenzene (Surr)	93.8		% Recovery	EPA 8260B	3/2/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48655

Date : 3/7/2006

QC Report : Method Blank Data

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	2/28/2006
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	2/28/2006
Ethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	2/28/2006
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	2/28/2006
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	2/28/2006
Benzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Toluene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Ethylbenzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Total Xylenes (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Methyl-t-butyl ether (in ppmv)	< 0.10	0.10	ppmv	EPA 8260B	2/28/2006
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	2/28/2006
TPH as Gasoline (in ppmv)	< 5.0	5.0	ppmv	EPA 8260B	2/28/2006
Toluene - d8 (Surr)	100		%	EPA 8260B	2/28/2006
4-Bromofluorobenzene (Surr)	102		%	EPA 8260B	2/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 48655

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Scott Ferriman

California EDF Report? ☐ Yes ☒ No

Company / Address: Blue Rock Env - Eureka

Sampling Company Log Code:

Phone #: 707-441-1934 Fax #: 707-441-1949

Global ID:

Project #: FNC-3 P.O. #:

EDF Deliverable To (Email Address):

Project Name: Fortuna Beacon

Sampler Signature: [signature]

Project Address: 390 S. Fortuna Blvd Fortuna, CA

Analysis Request

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TAT ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk	For Lab Use Only
INF - ~~[illegible]~~ MW-6	2/27/06	19:45					X			X			X		X	X	X												X	01
INF - EX-2	2/28/06	12:05					X			X			X		X	X	X												X	02

Relinquished by:	Date	Time	Received by:
[signature]	2/28/06		Fed Ex
	030106	1100	Received by Laboratory: Jeremy N Hemenway Kiff Analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 48697
Date : 3/9/2006

Scott Ferriman
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 2 Vapor Samples
Project Name : Fortuna Beacon
Project Number : FNC-3

Dear Mr. Ferriman,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 48697

Date : 3/9/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Sample : **INF-EX-1** Matrix : Air Lab Number : 48697-01

Sample Date :3/1/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.27**	0.20	mg/m3	EPA 8260B	3/4/2006
Toluene	**2.4**	0.20	mg/m3	EPA 8260B	3/4/2006
Ethylbenzene	**3.2**	0.20	mg/m3	EPA 8260B	3/4/2006
Total Xylenes	**22**	0.20	mg/m3	EPA 8260B	3/4/2006
Methyl-t-butyl ether (MTBE)	**< 0.20**	0.20	mg/m3	EPA 8260B	3/4/2006
Benzene (in ppmv)	**0.082**	0.050	ppmv	EPA 8260B	3/4/2006
Toluene (in ppmv)	**0.63**	0.050	ppmv	EPA 8260B	3/4/2006
Ethylbenzene (in ppmv)	**0.73**	0.050	ppmv	EPA 8260B	3/4/2006
Total Xylenes (in ppmv)	**5.0**	0.050	ppmv	EPA 8260B	3/4/2006
Methyl-t-butyl ether (in ppmv)	**< 0.10**	0.10	ppmv	EPA 8260B	3/4/2006
TPH as Gasoline	**350**	20	mg/m3	EPA 8260B	3/4/2006
TPH as Gasoline (in ppmv)	**89**	5.0	ppmv	EPA 8260B	3/4/2006
Toluene - d8 (Surr)	97.6		% Recovery	EPA 8260B	3/4/2006
4-Bromofluorobenzene (Surr)	109		% Recovery	EPA 8260B	3/4/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48697

Date : 3/9/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Sample : **INF-MW-17B** Matrix : Air Lab Number : 48697-02

Sample Date :3/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**64**	2.5	mg/m3	EPA 8260B	3/3/2006
Toluene	**390**	2.5	mg/m3	EPA 8260B	3/3/2006
Ethylbenzene	**380**	2.5	mg/m3	EPA 8260B	3/3/2006
Total Xylenes	**1900**	2.5	mg/m3	EPA 8260B	3/3/2006
Methyl-t-butyl ether (MTBE)	**2.7**	2.5	mg/m3	EPA 8260B	3/3/2006
Benzene (in ppmv)	**20**	0.80	ppmv	EPA 8260B	3/3/2006
Toluene (in ppmv)	**100**	0.70	ppmv	EPA 8260B	3/3/2006
Ethylbenzene (in ppmv)	**85**	0.60	ppmv	EPA 8260B	3/3/2006
Total Xylenes (in ppmv)	**440**	0.60	ppmv	EPA 8260B	3/3/2006
Methyl-t-butyl ether (in ppmv)	**0.73**	0.70	ppmv	EPA 8260B	3/3/2006
TPH as Gasoline	**46000**	900	mg/m3	EPA 8260B	3/4/2006
TPH as Gasoline (in ppmv)	**12000**	250	ppmv	EPA 8260B	3/4/2006
Toluene - d8 (Surr)	82.1		% Recovery	EPA 8260B	3/3/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	3/3/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48697

Date : 3/9/2006

QC Report : Method Blank Data

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	3/3/2006
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	3/3/2006
Ethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	3/3/2006
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	3/3/2006
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	3/3/2006
Benzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	3/3/2006
Toluene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	3/3/2006
Ethylbenzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	3/3/2006
Total Xylenes (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	3/3/2006
Methyl-t-butyl ether (in ppmv)	< 0.10	0.10	ppmv	EPA 8260B	3/3/2006
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	3/3/2006
TPH as Gasoline (in ppmv)	< 5.0	5.0	ppmv	EPA 8260B	3/3/2006
Toluene - d8 (Surr)	97.6		%	EPA 8260B	3/3/2006
4-Bromofluorobenzene (Surr)	98.9		%	EPA 8260B	3/3/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 48697

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Scott Ferriman	California EDF Report? ☐ Yes ☒ No
Company / Address: Blue Rock Env - Eureka	Sampling Company Log Code:
Phone #: 707-441-1934 / Fax #: 707-441-1949	Global ID:
Project #: FNC-3 / P.O. #:	EDF Deliverable To (Email Address):
Project Name: Fortuna Beacon	Sampler Signature: [signature]
Project Address: 390 S. Fortuna Blvd Fortuna, CA	

Analysis Request

Sample Designation	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO_3	None	Water	Soil	Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TAT ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk	For Lab Use Only
INF-EX-1	3/1/06	15:00					X			X			X		X	X	X											X	01
INF-MW-17B	3/2/06	8:10					X			X			X		X	X	X											X	02

Relinquished by:	Date	Time	Received by:
[signature]	3/2/06		Fed Ex
	030306	0945	Received by Laboratory: [signature] Kiff Analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 48700
Date : 3/9/2006

Scott Ferriman
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 2 Water Samples
Project Name : Fortuna Beacon
Project Number : FNC-3

Dear Mr. Ferriman,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 48700
Date : 3/9/2006

Subject : 2 Water Samples
Project Name : Fortuna Beacon
Project Number : FNC-3

Case Narrative

Matrix Spike/Matrix Spike Duplicate Results associated with sample INF-EX-2 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

Approved By: Joe Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48700

Date : 3/9/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Sample : **INF-MW-6** Matrix : Water Lab Number : 48700-01

Sample Date :2/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**65**	0.90	ug/L	EPA 8260B	3/4/2006
Toluene	**250**	0.90	ug/L	EPA 8260B	3/4/2006
Ethylbenzene	**73**	0.90	ug/L	EPA 8260B	3/4/2006
Total Xylenes	**680**	1.5	ug/L	EPA 8260B	3/4/2006
Methyl-t-butyl ether (MTBE)	**< 0.90**	0.90	ug/L	EPA 8260B	3/4/2006
TPH as Gasoline	**5700**	90	ug/L	EPA 8260B	3/4/2006
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	3/4/2006
4-Bromofluorobenzene (Surr)	98.5		% Recovery	EPA 8260B	3/4/2006

Sample : **INF-EX-2** Matrix : Water Lab Number : 48700-02

Sample Date :2/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**110**	7.0	ug/L	EPA 8260B	3/5/2006
Toluene	**940**	7.0	ug/L	EPA 8260B	3/5/2006
Ethylbenzene	**680**	7.0	ug/L	EPA 8260B	3/5/2006
Total Xylenes	**5300**	15	ug/L	EPA 8260B	3/4/2006
Methyl-t-butyl ether (MTBE)	**< 7.0**	7.0	ug/L	EPA 8260B	3/5/2006
TPH as Gasoline	**47000**	700	ug/L	EPA 8260B	3/5/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	3/5/2006
4-Bromofluorobenzene (Surr)	96.8		% Recovery	EPA 8260B	3/5/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48700

Date : 3/9/2006

QC Report : Method Blank Data

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/4/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/4/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/4/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/4/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/4/2006
Toluene - d8 (Surr)	104		%	EPA 8260B	3/4/2006
4-Bromofluorobenzene (Surr)	99.5		%	EPA 8260B	3/4/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/5/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/5/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/5/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/5/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/5/2006
Toluene - d8 (Surr)	102		%	EPA 8260B	3/5/2006
4-Bromofluorobenzene (Surr)	94.2		%	EPA 8260B	3/5/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48700

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 3/9/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	48709-01	<0.50	40.0	40.0	41.2	39.5	ug/L	EPA 8260B	3/4/06	103	98.7	4.37	70-130	25
Toluene	48709-01	<0.50	40.0	40.0	40.3	38.3	ug/L	EPA 8260B	3/4/06	101	95.7	5.17	70-130	25
Tert-Butanol	48709-01	<5.0	200	200	208	210	ug/L	EPA 8260B	3/4/06	104	105	0.930	70-130	25
Methyl-t-Butyl Ether	48709-01	<0.50	40.0	40.0	40.4	38.9	ug/L	EPA 8260B	3/4/06	101	97.4	3.57	70-130	25
Benzene	48722-01	<0.50	40.0	40.0	40.8	40.1	ug/L	EPA 8260B	3/5/06	102	100	1.81	70-130	25
Toluene	48722-01	<0.50	40.0	40.0	41.5	40.7	ug/L	EPA 8260B	3/5/06	104	102	1.96	70-130	25
Tert-Butanol	48722-01	<5.0	200	200	214	214	ug/L	EPA 8260B	3/5/06	107	107	0.0417	70-130	25
Methyl-t-Butyl Ether	48722-01	150	40.0	40.0	209	206	ug/L	EPA 8260B	3/5/06	141	134	5.38	70-130	25
Benzene	48688-02	<0.50	40.0	40.0	41.5	42.8	ug/L	EPA 8260B	3/3/06	104	107	3.06	70-130	25
Toluene	48688-02	<0.50	40.0	40.0	41.7	43.4	ug/L	EPA 8260B	3/3/06	104	109	4.01	70-130	25
Tert-Butanol	48688-02	<5.0	200	200	198	207	ug/L	EPA 8260B	3/3/06	98.8	104	4.71	70-130	25
Methyl-t-Butyl Ether	48688-02	<0.50	40.0	40.0	38.1	40.1	ug/L	EPA 8260B	3/3/06	95.2	100	5.10	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48700

QC Report : Laboratory Control Sample (LCS)

Date : 3/9/2006

Project Name : **Fortuna Beacon**

Project Number : **FNC-3**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	3/4/06	97.7	70-130
Toluene	40.0	ug/L	EPA 8260B	3/4/06	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/4/06	106	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/4/06	102	70-130
Benzene	40.0	ug/L	EPA 8260B	3/5/06	90.5	70-130
Toluene	40.0	ug/L	EPA 8260B	3/5/06	98.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/5/06	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/5/06	98.4	70-130
Benzene	40.0	ug/L	EPA 8260B	3/3/06	109	70-130
Toluene	40.0	ug/L	EPA 8260B	3/3/06	110	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/3/06	104	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/3/06	100	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 48700 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Scott Ferriman

California EDF Report? ☐ Yes ☒ No

Company/Address: Blue Rock Env - Eureka

Recommended but not mandatory to complete this section:
Sampling Company Log Code: - - -

Phone No.: 707-441-1934
FAX No.: 707-441-1949

Global ID: - - - - - - - - - - -

Project Number: FJC-3
P.O. No:

EDF Deliverable To (Email Address):

Project Name: Fortuna Beacon

Sampler Signature: [signature]

Project Address: 390 S. Fortuna Blvd Fortuna, CA

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: SLEEVE	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT: 12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
INF - MW-6	2/27/06	19:30	3		X		X		X						X									X	01
INF - EX-2	2/28/06	12:10	3		X		X		X						X									X	02
~~INF - EX-1~~															~~X~~									~~X~~	
~~INF - MW-4~~															~~X~~									~~X~~	

Relinquished by:	Date	Time	Received by:
[signature]	3/2/06		Fed Ex
	030306	1100	Ron McLee Kiff Analytical

Remarks:
Sample Receipt
Temp °C 3.8 Therm. ID# IR-1
Initial RLM Date 030306
Time 1038 Coolant present: (Y) N

Bill to:

Distribution: White - Lab, Pink - Originator

Forms/coc 121001.fh9

Former Fortuna Beacon
390 South Fortuna Blvd.
Fortuna, CA

SURVEY REPORT

GEO_XY FORMAT

GLOBAL_ ID – **T0602300085**

FIELD_PT_NAME – **MW-17A, MW-17B, MW-18A, MW-18B, MW-19A, MW-19B**

FIELD_POINT_CLASS- **MW**

XY_SURVEY_DATE- **01/25/2006**

Well No. MW-17A	LATITUDE = **40.5887825° N**
	LONGITUDE = **-124.1472941°**
Well No. MW-17B	LATITUDE = **40.5887811° N**
	LONGITUDE = **-124.1473019°**
Well No. MW-18A	LATITUDE = **40.5886846° N**
	LONGITUDE = **-124.1473010°**
Well No. MW-18B	LATITUDE = **40.5886740° N**
	LONGITUDE = **-124.1473080°**
Well No. MW-19A	LATITUDE = **40.5887540° N**
	LONGITUDE = **-124.1470360°**
Well No. MW-19B	LATITUDE = **40.5887683° N**
	LONGITUDE = **-124.1470379°**

XY_METHOD – **CGPS**

XY_DATUM – **NAD 83**

XY_ACC_VAL- **30cm**

XY_SURVEY_ORG – **Blue Rock Environmental, Inc.**

GPS_EQUIP_TYPE – **TXR** (Trimble Pathfinder Pro XR per table 5)

XY_SURVEY_DESC – **3.00'** (GPS antenna height)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 1
Manifest Document No. 8 9 7 7
2. Page 1 of 1
2/2/2006

GENERATOR

3. Generator's Name and Mailing Address
BLUE ROCK ENVIRNMENTAL
635 THIRD STREET, SUITE 100
EUREKA, CA 95501
4. Generator's Phone (707) 441-1934

5. Transporter 1 Company Name: FILTER RECYCLING SVS, INC.-NO
6. US EPA ID Number: C A R 0 0 0 1 2 9 3 0 4
A. Transporter's Phone: (510) 670-9901

7. Transporter 2 Company Name: FILTER RECYCLING SERVICES, INC.
8. US EPA ID Number: C A D 9 8 2 4 4 4 4 8 1
B. Transporter's Phone: (909) 873-4141

9. Designated Facility Name and Site Address
FILTER RECYCLING SERVICES, INC
180 W MONTE AVE
RIALTO, CA 92316
10. US EPA ID Number: C A D 9 8 2 4 4 4 4 8 1
C. Facility's Phone: (909) 421-2012

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
NON HAZARDOUS WASTE SOLID	005	M	06000	G
b.				
c.				
d.				

FILTER RECYCLING SERVICES' RIALTO FACILITY, EPA #CAD982444481 HAS THE APPROPRIATE PERMIT(S) FOR, AND WILL ACCEPT THIS WASTE AS SHIPPED.

D. Additional Descriptions for Materials Listed Above
11A) SOIL CUTTING
BILL TO BLUE ROCK ENVIR
06013118

E. Handling Codes for Wastes Listed Above
01

15. Special Handling Instructions and Additional Information
Wear appropriate protective clothing
24 Hour Emergency Response # (909) 721-2038

P/U JIM SEILER
390 S. FORTUNA BLVD
FORTUNA, CA 95501

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Brenda Chadwick
Signature: Brenda Chadwick
Month Day Year: 10 21 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: STEVEN T. MAXWELL
Signature: [signature]
Month Day Year: 10 21 06

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: STEVEN T. MAXWELL
Signature: [signature]
Month Day Year: 10 21 06

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Steven Masters
Signature: [signature]
Month Day Year: 10 21 06

Printed by J.J. KELLER & ASSOCIATES, INC. Neenah, WI 54957-0368

ORIGINAL - RETURN TO GENERATOR

12-BLC-M5