PURGING DATA

Job No.: NC-24 **Location:** 2160 Central Ave. **Date:** 3/6/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-4			---	---	---
Calc. purge	12:30	0.25	102	55.1	5.43
volume	12:35	3.50	95	54.5	5.31
6.60	12:40	6.60	95	54.6	5.30

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

Clear/mod./mod./no sheen/no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 12:45

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-5			---	---	---
Calc. purge	12:50	0.25	47	59.5	5.90
volume	12:55	2.75	48	59.1	6.00
5.73	13:00	5.75	48	58.6	6.05

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

Clear/mod./mod./no sheen/odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 13:05

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-6			---	---	---
Calc. purge	13:10	0.25	38	57.4	5.92
volume	13:15	3.25	38	57.7	5.87
6.12	13:20	6.15	38	57.7	5.85

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

Clear/mod./mod./no sheen/no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 13:25

PURGING DATA

Job No.: NC-24 **Location:** 2160 Central Ave. **Date:** 3/6/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-7			---	---	---
Calc. purge	13:30	0.25	62	61.3	6.06
volume	13:35	2.75	68	62.0	6.21
5.37	13:40	5.40	68	62.1	6.27

Sample for: ~~TPHg~~ ~~TPHd~~ 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
clear/mod./mod./no sheen/odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 13:45

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-8			---	---	---
Calc. purge	13:50	0.25	85	57.4	5.73
volume	13:55	3.75	87	57.8	5.76
7.56	14:00	7.55	91	58.1	5.83

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
Clear/mod/mod/no sheen/no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 14:05

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-9			---	---	---
Calc. purge	14:10	0.25	78	55.1	6.01
volume	14:15	3.00	74	55.8	6.01
6.03	14:20	6.00	74	55.6	6.02

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
Clear/mod./mod./no sheen/no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 14:25

PURGING DATA

Job No.: NC-24 **Location:** 2160 Central Ave. **Date:** 3/6/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-10			---	---	---
Calc. purge	15:10	0.25	64	60.1	5.94
volume	15:15	3.50	76	60.6	5.89
7.41	15:20	7.40	69	60.5	5.92

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
Clear / mod / mod / no sheen / no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 15:25

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-11			---	---	---
Calc. purge	14:50	0.25	89	60.6	5.74
volume	14:55	3.50	108	61.3	5.69
7.41	15:00	7.40	109	61.3	5.70

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
Clear / mod / mod / no sheen / no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 15:05

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-12			---	---	---
Calc. purge	14:30	0.25	87	59.6	6.12
volume	14:35	3.75	95	60.6	6.17
7.83	14:40	7.80	93	60.6	6.18

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
Clear / mod / mod / no sheen / no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 14:45

NC-24
Former Mckinleyville BP
REMEDIATION SYSTEM O&M FORM

DATE	11/24/06
TECH.	AL

	ARRIVAL	DEPARTURE	
Time	1500		
SYSTEM STATUS	up	up	(up/down)
Auto ~~Manual~~ Dilution Valve Position	40	40	% open
Vacuum (**AV**)	15	15	in. H2O
TPH Concentration In (**Influent**)	150	100	ppm
Well + Dilution Air Flow Rate (**V1**)	263		scfm
Oxidizer Pressure (**OP1**)	—	—	in. H2O
Temperature Controller (**T1**)	733		°F
Recirculation valve position	3		# Turns open
TPH Concentration Out (**Effluent**)	~~[illegible]~~	~~[illegible]~~	ppm
Unit Operational Time		9663	hours

~~[illegible]~~ Chart Tape

	CHECKED	REPLACED
Water Knockout Liquid level	✓	
Sparge Air Compressor Filter	✓	
Grease Zerk Fittings	✓	
Blower Oil	✓	

Extraction Wells	**Vac.** in. H2O	**depth to water** feet	**valve position** % open (on/off)	**OVM reading** ppm
VE-1	15	≈10	50	
VE-2	↓	↓	50	
VE-3			100	
VE-4			100	
VE-5			100	
VE-6 (MW-5)			100	

Air Sparging Wells	**sparge press.** in. SCFM	**depth to water** feet	**valve position** % open (on/off)
SW-1		≈10	off
SW-2		↓	off
SW-3	6		100
SW-4	6		↓
SW-5	4.6	↓	
SW-6	5.4		

Remarks: _____

Water Drums Onsite _____

NC-24
Former Mckinleyville BP
REMEDIATION SYSTEM O&M FORM

DATE	2/24/06
TECH.	AL TL

	ARRIVAL	DEPARTURE	
Time	08:30	~~1230~~ 1300	
SYSTEM STATUS	up	up	(up/down)
Manual Dilution Valve Position	~~0~~	~~0~~	% open
Vacuum (**AV**)	10	10	in. H2O
TPH Concentration In (**Influent**)		~~0~~	ppm
Well + Dilution Air Flow Rate (**V1**)	235		scfm
Oxidizer Pressure (**OP1**)	~~0~~	~~0~~	in. H2O
Temperature Controller (**T1**)	690	690	°F
Recirculation valve position	3	3	# Turns open
TPH Concentration Out (**Effluent**)		~~0~~	ppm
Unit Operational Time		10239	hours

~~[illegible]~~ (~~Clock Total Hrs~~) Chart tape

	CHECKED	REPLACED
Water Knockout Liquid level	✓	
Sparge Air Compressor Filter	✓	
Grease Zerk Fittings	✓	
Blower Oil	✓	

Extraction Wells	**Vac.** in. H2O	**depth to water** feet	**valve position** % open (on/off)	**OVM reading** ppm
VE-1	~~0~~	≈10	~~0~~	—
VE-2	40	≈10	100%	—
VE-3	20	≈9	100	—
VE-4	14	≈8	25%	—
VE-5	20	≈10	100	—
VE-6 (MW-5)	12	≈10	100	—

PSI / CFM

Air Sparging Wells	**sparge press.** in. SCFM	**depth to water** feet	**valve position** % open (on/off)
SW-1	7/2	≈10	100
SW-2	7/2	↓	↓
SW-3	6/2	↓	↓
SW-4	6/2	↓	↓
SW-5	6/2	↓	↓
SW-6	6/2	↓	↓

→ Initially no vac on 1, 2, 3, 4 & 6

Remarks: Opened all well – Troubleshoot wells w/ no vac at well head – Cleaned all lines – syst running steady state – Adjust sparge pressure down to 2 scfm

Water Drums Onsite

NC-24
Former Mckinleyville BP
REMEDIATION SYSTEM O&M FORM

DATE	3/21/00
TECH.	[illegible]

	ARRIVAL	DEPARTURE	
Time	1315	1515	
SYSTEM STATUS	up	up	(up/down)
Manual Dilution Valve Position	~~0~~	~~0~~	% open
Vacuum (**AV**)	20	20	in. H2O
TPH Concentration In (**Influent**)	—	50	ppm
Well + Dilution Air Flow Rate (**V1**)	296	—	scfm
Oxidizer Pressure (**OP1**)	—	—	in. H2O
Temperature Controller (**T1**)	776	—	°F
Recirculation valve position	4	4	# Turns open
TPH Concentration Out (**Effluent**)	—	~~0~~	ppm
Unit Operational Time		10786	hours

From chart tape

	CHECKED	REPLACED
Water Knockout Liquid level	✓	
Sparge Air Compressor Filter	✓	
Grease Zerk Fittings	✓	
Blower Oil	✓	

Extraction Wells	**Vac.** in. H2O	**depth to water** feet	**valve position** % open (on/off)	**OVM reading** ppm
VE-1	~~0~~	≈ 8	~~0~~	
VE-2	20	↓	up	
VE-3	22	↓	↓	
VE-4	25	↓	↓	
VE-5	20	↓	↓	
VE-6 (MW-5)	18	↓	↓	

Air Sparging Wells	**sparge press.** psi ~~in.~~ SCFM	**depth to water** feet	**valve position** % open (on/off)
SW-1	8 / 2.2	≈ 8	up
SW-2	8 / 2.0	↓	↓
SW-3	8 / 2.0	↓	↓
SW-4	8 / 2.1	↓	↓
SW-5	8 / 2.0	↓	↓
SW-6	9 / 2.4	↓	↓

Remarks: _____

Water Drums Onsite _____

APPENDIX B

KIFF Analytical LLC

Report Number : 48075
Date : 2/2/2006

Andrew LoCicero
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 2 Vapor Samples
Project Name : Former Central BP
Project Number : NC-24

Dear Mr. LoCicero,

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 : 48075

Date : 2/2/2006

Project Name : **Former Central BP**

Project Number : **NC-24**

Sample : **Effluent 1/24/06** Matrix : Air Lab Number : 48075-01

Sample Date :1/24/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.20**	0.20	mg/m3	EPA 8260B	1/26/2006
Toluene	**< 0.20**	0.20	mg/m3	EPA 8260B	1/26/2006
Ethylbenzene	**< 0.20**	0.20	mg/m3	EPA 8260B	1/26/2006
Total Xylenes	**< 0.20**	0.20	mg/m3	EPA 8260B	1/26/2006
Methyl-t-butyl ether (MTBE)	**< 0.20**	0.20	mg/m3	EPA 8260B	1/26/2006
Benzene (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	1/26/2006
Toluene (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	1/26/2006
Ethylbenzene (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	1/26/2006
Total Xylenes (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	1/26/2006
Methyl-t-butyl ether (in ppmv)	**< 0.10**	0.10	ppmv	EPA 8260B	1/26/2006
TPH as Gasoline	**< 20**	20	mg/m3	EPA 8260B	1/26/2006
TPH as Gasoline (in ppmv)	**< 5.0**	5.0	ppmv	EPA 8260B	1/26/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	1/26/2006
4-Bromofluorobenzene (Surr)	97.5		% Recovery	EPA 8260B	1/26/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48075

Date : 2/2/2006

Project Name : **Former Central BP**

Project Number : **NC-24**

Sample : **Influent 1/24/06** Matrix : Air Lab Number : 48075-02

Sample Date :1/24/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.46**	0.20	mg/m3	EPA 8260B	1/26/2006
Toluene	**3.9**	0.20	mg/m3	EPA 8260B	1/26/2006
Ethylbenzene	**0.48**	0.20	mg/m3	EPA 8260B	1/26/2006
Total Xylenes	**2.9**	0.20	mg/m3	EPA 8260B	1/26/2006
Methyl-t-butyl ether (MTBE)	**< 0.20**	0.20	mg/m3	EPA 8260B	1/26/2006
Benzene (in ppmv)	**0.14**	0.050	ppmv	EPA 8260B	1/26/2006
Toluene (in ppmv)	**1.0**	0.050	ppmv	EPA 8260B	1/26/2006
Ethylbenzene (in ppmv)	**0.11**	0.050	ppmv	EPA 8260B	1/26/2006
Total Xylenes (in ppmv)	**0.66**	0.050	ppmv	EPA 8260B	1/26/2006
Methyl-t-butyl ether (in ppmv)	**< 0.10**	0.10	ppmv	EPA 8260B	1/26/2006
TPH as Gasoline	**25**	20	mg/m3	EPA 8260B	1/26/2006
TPH as Gasoline (in ppmv)	**6.3**	5.0	ppmv	EPA 8260B	1/26/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	1/26/2006
4-Bromofluorobenzene (Surr)	96.3		% Recovery	EPA 8260B	1/26/2006

Approved By: Joel Kiff

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

Report Number : 48075

Date : 2/2/2006

QC Report : Method Blank Data

Project Name : **Former Central BP**

Project Number : **NC-24**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	1/26/2006
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	1/26/2006
Ethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	1/26/2006
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	1/26/2006
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	1/26/2006
Benzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	1/26/2006
Toluene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	1/26/2006
Ethylbenzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	1/26/2006
Total Xylenes (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	1/26/2006
Methyl-t-butyl ether (in ppmv)	< 0.10	0.10	ppmv	EPA 8260B	1/26/2006
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	1/26/2006
TPH as Gasoline (in ppmv)	< 5.0	5.0	ppmv	EPA 8260B	1/26/2006
Toluene - d8 (Surr)	98.6		%	EPA 8260B	1/26/2006
4-Bromofluorobenzene (Surr)	93.2		%	EPA 8260B	1/26/2006

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. 48075

Page ___ of ___

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew Lolicero

California EDF Report? ☐ Yes ☑ No

Company / Address: Blue Rock Env. 535 3rd St. #100 Eureka CA 95501

Sampling Company Log Code:

Phone #: 7074411434 Fax #: 7074411949

Global ID:

Project #: NC-24 P.O. #:

EDF Deliverable To (Email Address):

Project Name: Former Central BP

Sampler Signature:

Project Address: 2160 Central Ave McKinleyville CA

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar		Preservative: HCl	HNO_3	None	Ahark		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
Effluent 1/24/06	1/24/06	1650					1					X				X			X	X	X														X	01
Influent 1/24/06	1/24/06	1710					1					X				X			X	X	X														X	02

Relinquished by	Date	Time	Received by
[signature]	1/25/06	1400	FED EX
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	012606	1035	[signature] Kiff Analytical LLC

Remarks: results in ppmv + mg/m³

Bill to: BR Fuels City

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 : 48610
Date : 3/3/2006

Andrew LoCicero
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 2 Vapor Samples
Project Name : Former Central BP
Project Number : NC-24

Dear Mr. LoCicero,

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 : 48610

Date : 3/3/2006

Project Name : **Former Central BP**

Project Number : **NC-24**

Sample : **Influent 2/24/06** Matrix : Air Lab Number : 48610-01

Sample Date :2/24/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**3.0**	0.20	mg/m3	EPA 8260B	2/25/2006
Toluene	**29**	0.20	mg/m3	EPA 8260B	2/25/2006
Ethylbenzene	**5.7**	0.20	mg/m3	EPA 8260B	2/25/2006
Total Xylenes	**41**	0.20	mg/m3	EPA 8260B	2/25/2006
Methyl-t-butyl ether (MTBE)	**< 0.20**	0.20	mg/m3	EPA 8260B	2/25/2006
Benzene (in ppmv)	**0.91**	0.050	ppmv	EPA 8260B	2/25/2006
Toluene (in ppmv)	**7.5**	0.050	ppmv	EPA 8260B	2/25/2006
Ethylbenzene (in ppmv)	**1.3**	0.050	ppmv	EPA 8260B	2/25/2006
Total Xylenes (in ppmv)	**9.4**	0.050	ppmv	EPA 8260B	2/25/2006
Methyl-t-butyl ether (in ppmv)	**< 0.10**	0.10	ppmv	EPA 8260B	2/25/2006
TPH as Gasoline	**360**	20	mg/m3	EPA 8260B	2/25/2006
TPH as Gasoline (in ppmv)	**90**	5.0	ppmv	EPA 8260B	2/25/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/25/2006
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	2/25/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48610

Date : 3/3/2006

Project Name : **Former Central BP**

Project Number : **NC-24**

Sample : **Effluent 2/24/06** Matrix : Air Lab Number : 48610-02

Sample Date :2/24/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.20**	0.20	mg/m3	EPA 8260B	2/25/2006
Toluene	**< 0.20**	0.20	mg/m3	EPA 8260B	2/25/2006
Ethylbenzene	**< 0.20**	0.20	mg/m3	EPA 8260B	2/25/2006
Total Xylenes	**< 0.20**	0.20	mg/m3	EPA 8260B	2/25/2006
Methyl-t-butyl ether (MTBE)	**< 0.20**	0.20	mg/m3	EPA 8260B	2/25/2006
Benzene (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	2/25/2006
Toluene (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	2/25/2006
Ethylbenzene (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	2/25/2006
Total Xylenes (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	2/25/2006
Methyl-t-butyl ether (in ppmv)	**< 0.10**	0.10	ppmv	EPA 8260B	2/25/2006
TPH as Gasoline	**< 20**	20	mg/m3	EPA 8260B	2/25/2006
TPH as Gasoline (in ppmv)	**< 5.0**	5.0	ppmv	EPA 8260B	2/25/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/25/2006
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	2/25/2006

Approved By: Joel Kiff

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

Report Number : 48610

Date : 3/3/2006

QC Report : Method Blank Data

Project Name : **Former Central BP**

Project Number : **NC-24**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	2/24/2006
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	2/24/2006
Ethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	2/24/2006
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	2/24/2006
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	2/24/2006
Benzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	2/24/2006
Toluene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	2/24/2006
Ethylbenzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	2/24/2006
Total Xylenes (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	2/24/2006
Methyl-t-butyl ether (in ppmv)	< 0.10	0.10	ppmv	EPA 8260B	2/24/2006
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	2/24/2006
TPH as Gasoline (in ppmv)	< 5.0	5.0	ppmv	EPA 8260B	2/24/2006
Toluene - d8 (Surr)	101		%	EPA 8260B	2/24/2006
4-Bromofluorobenzene (Surr)	99.8		%	EPA 8260B	2/24/2006

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. 48610

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew Locicero

California EDF Report? ☐ Yes ☑ No

Company / Address: Blue Rock Env. 535 3rd St. #110 Eureka CA 95501

Sampling Company Log Code:

Phone #: 707 441 1931

Fax #:

Global ID:

Project #: NC-24

P.O. #:

EDF Deliverable To (Email Address):

Project Name: ~~BP~~ Former Central BP

Sampler Signature:

Project Address: 2160 Central Ave McKinleyville CA

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar		Preservative: HCl	HNO_3	None	Blank		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
✓ Influent 2/24/08	2/24/08	1230					1					X				X			X	X	X														X	01
✓ Effluent 2/24/08	2/24/08	1245					1					X				X			X	X	X														X	02

Relinquished by	Date	Time	Received by
	2/24/08	1400	PEO EX
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	022508	1645	Thomas Alvarez Kiff Analytical LLC

Remarks: results in ppmv & mg/m³

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 : 48765
Date : 03/14/2006

Andrew LoCicero
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 12 Water Samples
Project Name : PICO
Project Number : NC-24

Dear Mr. LoCicero,

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 : 48765
Date : 03/14/2006

Subject : 12 Water Samples
Project Name : PICO
Project Number : NC-24

Case Narrative

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for sample MW-7.

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48765

Date : 03/14/2006

Project Name : **PICO**

Project Number : **NC-24**

Sample : **MW-1** Matrix : Water Lab Number : 48765-01

Sample Date :03/06/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	03/08/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	03/08/2006
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	03/08/2006

Sample : **MW-2** Matrix : Water Lab Number : 48765-02

Sample Date :03/06/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	03/08/2006
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	03/08/2006
4-Bromofluorobenzene (Surr)	94.4		% Recovery	EPA 8260B	03/08/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48765

Date : 03/14/2006

Project Name : **PICO**

Project Number : **NC-24**

Sample : **MW-3** Matrix : Water Lab Number : 48765-03

Sample Date :03/06/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	03/08/2006
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	03/08/2006
4-Bromofluorobenzene (Surr)	93.8		% Recovery	EPA 8260B	03/08/2006

Sample : **MW-4** Matrix : Water Lab Number : 48765-04

Sample Date :03/06/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	03/08/2006
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	03/08/2006
4-Bromofluorobenzene (Surr)	95.7		% Recovery	EPA 8260B	03/08/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48765

Date : 03/14/2006

Project Name : **PICO**

Project Number : **NC-24**

Sample : **MW-5** Matrix : Water Lab Number : 48765-05

Sample Date :03/06/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**21**	0.50	ug/L	EPA 8260B	03/09/2006
Toluene	**47**	0.50	ug/L	EPA 8260B	03/09/2006
Ethylbenzene	**11**	0.50	ug/L	EPA 8260B	03/09/2006
Total Xylenes	**150**	0.50	ug/L	EPA 8260B	03/09/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
TPH as Gasoline	**1300**	50	ug/L	EPA 8260B	03/09/2006
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	03/09/2006
4-Bromofluorobenzene (Surr)	96.2		% Recovery	EPA 8260B	03/09/2006

Sample : **MW-6** Matrix : Water Lab Number : 48765-06

Sample Date :03/06/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	03/09/2006
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	03/09/2006
4-Bromofluorobenzene (Surr)	92.9		% Recovery	EPA 8260B	03/09/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48765
Date : 03/14/2006

Project Name : **PICO**
Project Number : **NC-24**

Sample : **MW-7** Matrix : Water Lab Number : 48765-07
Sample Date :03/06/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**16**	1.0	ug/L	EPA 8260B	03/09/2006
Toluene	**72**	1.0	ug/L	EPA 8260B	03/09/2006
Ethylbenzene	**120**	1.0	ug/L	EPA 8260B	03/09/2006
Total Xylenes	**1200**	1.0	ug/L	EPA 8260B	03/09/2006
Methyl-t-butyl ether (MTBE)	**< 1.0**	1.0	ug/L	EPA 8260B	03/09/2006
TPH as Gasoline	**6500**	100	ug/L	EPA 8260B	03/09/2006
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	03/09/2006
4-Bromofluorobenzene (Surr)	95.0		% Recovery	EPA 8260B	03/09/2006
TPH as Diesel (Silica Gel)	**< 1500**	1500	ug/L	M EPA 8015	03/09/2006
Octacosane (Diesel Surrogate)	91.0		% Recovery	M EPA 8015	03/09/2006

Sample : **MW-8** Matrix : Water Lab Number : 48765-08
Sample Date :03/06/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	03/08/2006
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	03/08/2006
4-Bromofluorobenzene (Surr)	93.7		% Recovery	EPA 8260B	03/08/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48765

Date : 03/14/2006

Project Name : **PICO**

Project Number : **NC-24**

Sample : **MW-9** Matrix : Water Lab Number : 48765-09

Sample Date :03/06/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	03/09/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	03/09/2006
4-Bromofluorobenzene (Surr)	94.2		% Recovery	EPA 8260B	03/09/2006

Sample : **MW-10** Matrix : Water Lab Number : 48765-10

Sample Date :03/06/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	03/09/2006
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	03/09/2006
4-Bromofluorobenzene (Surr)	94.0		% Recovery	EPA 8260B	03/09/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48765

Date : 03/14/2006

Project Name : **PICO**

Project Number : **NC-24**

Sample : **MW-11** Matrix : Water Lab Number : 48765-11

Sample Date :03/06/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	03/09/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	03/09/2006
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	03/09/2006
4-Bromofluorobenzene (Surr)	94.6		% Recovery	EPA 8260B	03/09/2006

Sample : **MW-12** Matrix : Water Lab Number : 48765-12

Sample Date :03/06/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.5**	0.50	ug/L	EPA 8260B	03/08/2006
Toluene	**5.7**	0.50	ug/L	EPA 8260B	03/08/2006
Ethylbenzene	**1.3**	0.50	ug/L	EPA 8260B	03/08/2006
Total Xylenes	**70**	0.50	ug/L	EPA 8260B	03/08/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	03/08/2006
TPH as Gasoline	**710**	50	ug/L	EPA 8260B	03/08/2006
Toluene - d8 (Surr)	95.4		% Recovery	EPA 8260B	03/08/2006
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	03/08/2006

Approved By: Joel Kiff

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

Report Number : 48765

Date : 03/14/2006

QC Report : Method Blank Data

Project Name : **PICO**

Project Number : **NC-24**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	03/10/2006
Octacosane (Diesel Surrogate)	82.2		%	M EPA 8015	03/08/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	03/08/2006
Toluene - d8 (Surr)	99.7		%	EPA 8260B	03/08/2006
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	03/08/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	03/08/2006
Toluene - d8 (Surr)	96.2		%	EPA 8260B	03/08/2006
4-Bromofluorobenzene (Surr)	104		%	EPA 8260B	03/08/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	03/08/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	03/08/2006
Toluene - d8 (Surr)	101		%	EPA 8260B	03/08/2006
4-Bromofluorobenzene (Surr)	91.4		%	EPA 8260B	03/08/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	03/09/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	03/09/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	03/09/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	03/09/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	03/09/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	03/09/2006
Toluene - d8 (Surr)	99.2		%	EPA 8260B	03/09/2006
4-Bromofluorobenzene (Surr)	92.3		%	EPA 8260B	03/09/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 48765

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 03/14/2006

Project Name : **PICO**

Project Number : **NC-24**

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
TPH as Diesel	Blank	<50	1000	1000	818	898	ug/L	M EPA 8015	3/8/06	81.8	89.8	9.32	70-130	25
Benzene	48765-01	<0.50	40.0	40.0	38.9	37.5	ug/L	EPA 8260B	3/8/06	97.2	93.8	3.59	70-130	25
Toluene	48765-01	<0.50	40.0	40.0	38.3	37.1	ug/L	EPA 8260B	3/8/06	95.9	92.8	3.27	70-130	25
Tert-Butanol	48765-01	<5.0	200	200	199	197	ug/L	EPA 8260B	3/8/06	99.4	98.4	0.997	70-130	25
Methyl-t-Butyl Ether	48765-01	<0.50	40.0	40.0	43.1	42.6	ug/L	EPA 8260B	3/8/06	108	106	1.21	70-130	25
Benzene	48765-12	1.5	40.0	40.0	42.0	40.4	ug/L	EPA 8260B	3/8/06	101	97.1	4.21	70-130	25
Toluene	48765-12	5.7	40.0	40.0	43.1	41.5	ug/L	EPA 8260B	3/8/06	93.4	89.6	4.23	70-130	25
Tert-Butanol	48765-12	<5.0	200	200	200	199	ug/L	EPA 8260B	3/8/06	100	99.6	0.528	70-130	25
Methyl-t-Butyl Ether	48765-12	<0.50	40.0	40.0	39.5	39.1	ug/L	EPA 8260B	3/8/06	98.7	97.8	0.909	70-130	25
Benzene	48765-08	<0.50	40.0	40.0	36.7	33.4	ug/L	EPA 8260B	3/8/06	91.8	83.6	9.32	70-130	25
Toluene	48765-08	<0.50	40.0	40.0	38.6	34.6	ug/L	EPA 8260B	3/8/06	96.4	86.6	10.8	70-130	25
Tert-Butanol	48765-08	<5.0	200	200	187	173	ug/L	EPA 8260B	3/8/06	93.5	86.5	7.75	70-130	25
Methyl-t-Butyl Ether	48765-08	<0.50	40.0	40.0	39.2	36.3	ug/L	EPA 8260B	3/8/06	98.1	90.8	7.69	70-130	25
Benzene	48768-01	<0.50	40.0	40.0	37.6	36.0	ug/L	EPA 8260B	3/9/06	93.9	90.0	4.27	70-130	25
Toluene	48768-01	<0.50	40.0	40.0	38.2	36.6	ug/L	EPA 8260B	3/9/06	95.4	91.5	4.17	70-130	25
Tert-Butanol	48768-01	<5.0	200	200	185	186	ug/L	EPA 8260B	3/9/06	92.4	93.2	0.925	70-130	25
Methyl-t-Butyl Ether	48768-01	0.54	40.0	40.0	41.5	41.2	ug/L	EPA 8260B	3/9/06	102	102	0.640	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 48765

QC Report : Laboratory Control Sample (LCS)

Date : 03/14/2006

Project Name : **PICO**

Project Number : **NC-24**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	3/8/06	91.4	70-130
Toluene	40.0	ug/L	EPA 8260B	3/8/06	96.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/8/06	97.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/8/06	106	70-130
Benzene	40.0	ug/L	EPA 8260B	3/8/06	98.8	70-130
Toluene	40.0	ug/L	EPA 8260B	3/8/06	95.0	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/8/06	98.8	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/8/06	99.8	70-130
Benzene	40.0	ug/L	EPA 8260B	3/8/06	91.1	70-130
Toluene	40.0	ug/L	EPA 8260B	3/8/06	95.9	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/8/06	89.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/8/06	96.6	70-130
Benzene	40.0	ug/L	EPA 8260B	3/9/06	89.6	70-130
Toluene	40.0	ug/L	EPA 8260B	3/9/06	91.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/9/06	90.1	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/9/06	99.6	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. 48765

Page 1 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew LaGiceno

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: T0602300491

Project #: NC-24 P.O. #:

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

Project Name: PICO

Sampler Signature: James Linderman

Project Address: 2160 Central Ave. McKinleyville, 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) Silica gel	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	3/6/06	11:45	3					X			X				X	X	X															X	01
MW-2		12:05																															02
MW-3		12:25																															03
MW-4		12:45																															04
MW-5		13:05																															05
MW-6		13:25																															06
MW-7		13:45	6																					X									07
MW-8		14:05	3																														08
MW-9		14:25																															09
MW-10		15:25																															10

Relinquished by:	Date	Time	Received by:
James Linderman	3/7/06		Fed Ex
	030806	1115	Ron McAee — Kiff Analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
4.6	RLM	030806	1050	IR-1	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. 48765

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew LoCicero

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: T0602300491

Project #: NC-24

P.O. #:

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

Project Name: PICO

Sampler Signature: Bruce Linderman

Project Address: 2160 Central Ave. Mckinleyville, 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-11	3/6/06	15:05	3						X					X					X	X	X													X	11
MW-12	↓	14:45	3						X					X					X	X	X													X	12

Relinquished by:	Date	Time	Received by:
Bruce Linderman	3/7/06		Fed Ex
	030806	1115	Ron McSen — 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 : 49070
Date : 3/28/2006

Andrew LoCicero
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 2 Vapor Samples
Project Name : Former Central BP
Project Number : NC24

Dear Mr. LoCicero,

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 : 49070

Date : 3/28/2006

Project Name : **Former Central BP**

Project Number : **NC24**

Sample : **Effluent 3/21/06** Matrix : Air Lab Number : 49070-01

Sample Date :3/21/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.20**	0.20	mg/m3	EPA 8260B	3/22/2006
Toluene	**< 0.20**	0.20	mg/m3	EPA 8260B	3/22/2006
Ethylbenzene	**< 0.20**	0.20	mg/m3	EPA 8260B	3/22/2006
Total Xylenes	**< 0.20**	0.20	mg/m3	EPA 8260B	3/22/2006
Methyl-t-butyl ether (MTBE)	**< 0.20**	0.20	mg/m3	EPA 8260B	3/22/2006
Benzene (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	3/22/2006
Toluene (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	3/22/2006
Ethylbenzene (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	3/22/2006
Total Xylenes (in ppmv)	**< 0.050**	0.050	ppmv	EPA 8260B	3/22/2006
Methyl-t-butyl ether (in ppmv)	**< 0.10**	0.10	ppmv	EPA 8260B	3/22/2006
TPH as Gasoline	**< 20**	20	mg/m3	EPA 8260B	3/22/2006
TPH as Gasoline (in ppmv)	**< 5.0**	5.0	ppmv	EPA 8260B	3/22/2006
Toluene - d8 (Surr)	86.9		% Recovery	EPA 8260B	3/22/2006
4-Bromofluorobenzene (Surr)	109		% Recovery	EPA 8260B	3/22/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 49070

Date : 3/28/2006

Project Name : **Former Central BP**

Project Number : **NC24**

Sample : **Influent 3/21/06** Matrix : Air Lab Number : 49070-02

Sample Date :3/21/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.40**	0.20	mg/m3	EPA 8260B	3/22/2006
Toluene	**3.9**	0.20	mg/m3	EPA 8260B	3/22/2006
Ethylbenzene	**0.87**	0.20	mg/m3	EPA 8260B	3/22/2006
Total Xylenes	**4.6**	0.20	mg/m3	EPA 8260B	3/22/2006
Methyl-t-butyl ether (MTBE)	**< 0.20**	0.20	mg/m3	EPA 8260B	3/22/2006
Benzene (in ppmv)	**0.12**	0.050	ppmv	EPA 8260B	3/22/2006
Toluene (in ppmv)	**1.0**	0.050	ppmv	EPA 8260B	3/22/2006
Ethylbenzene (in ppmv)	**0.20**	0.050	ppmv	EPA 8260B	3/22/2006
Total Xylenes (in ppmv)	**1.0**	0.050	ppmv	EPA 8260B	3/22/2006
Methyl-t-butyl ether (in ppmv)	**< 0.10**	0.10	ppmv	EPA 8260B	3/22/2006
TPH as Gasoline	**90**	20	mg/m3	EPA 8260B	3/22/2006
TPH as Gasoline (in ppmv)	**23**	5.0	ppmv	EPA 8260B	3/22/2006
Toluene - d8 (Surr)	87.6		% Recovery	EPA 8260B	3/22/2006
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	3/22/2006

Approved By: Joel Kiff

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

Report Number : 49070

Date : 3/28/2006

QC Report : Method Blank Data

Project Name : **Former Central BP**

Project Number : **NC24**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	3/21/2006
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	3/21/2006
Ethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	3/21/2006
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	3/21/2006
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	3/21/2006
Benzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	3/21/2006
Toluene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	3/21/2006
Ethylbenzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	3/21/2006
Total Xylenes (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	3/21/2006
Methyl-t-butyl ether (in ppmv)	< 0.10	0.10	ppmv	EPA 8260B	3/21/2006
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	3/21/2006
TPH as Gasoline (in ppmv)	< 5.0	5.0	ppmv	EPA 8260B	3/21/2006
Toluene - d8 (Surr)	99.0		%	EPA 8260B	3/21/2006
4-Bromofluorobenzene (Surr)	112		%	EPA 8260B	3/21/2006

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

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Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 49070

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew Lockerd

California EDF Report? ☐ Yes ☑ No

Company / Address: Blue Rock Env. 535 3rd St. #100 Eureka CA 95501

Sampling Company Log Code:

Phone #: 707 441 1934

Fax #: 707 441 1919

Global ID: pdf

Project #: NC 24

P.O. #:

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

Project Name: Former Central BP

Sampler Signature: [signature]

Project Address: 2160 Central Ave McKinleyville CA

Sample Designation	Sampling Date	Sampling Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar		HCl	HNO_3	None	Other		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
Effluent 2/21/06	2/21/06	1450					1					+				+			+	+	+														+	01
Influent 2/21/06	2/21/06	1500					1					+				+			+	+	+														+	02

Relinquished by:	Date	Time	Received by:
[signature]	3/21/06 ~~1500~~	1500	PED EX
	032206	0955	Kim McLee Kiff Analytical

Remarks: results in ppm + ug/m³

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

APPENDIX C

NORTH COAST UNIFIED AIR QUALITY MANAGEMENT DISTRICT

AUTHORITY TO CONSTRUCT

NAC-380

BLUE ROCK ENVIRONMENTAL, INC. FOR LOUISE PIERSON REVOCABLE TRUST

LEGAL OWNER OR OPERATOR:	LOUISE PIERSON REVOCABLE TRUST 1200 W. Harris St. Eureka, CA Responsible official: Doreen Megli Phone: 707-268-1800
CONTRACTOR:	BLUE ROCK ENVIRONMENTAL, INC. 535 Third Street, Suite 100 Eureka, CA 95501 Responsible official: Andrew LoCicero 707-441-1934

BUSINESS ACTIVITY: Groundwater Remediation via Vapor Extraction

EQUIPMENT LOCATED AT: The project is located in the northwestern portion of California within the County of Humboldt, at 2160 Central Avenue, McKinleyville, CA.

Whereas application for an Authority to Construct has been made by Blue Rock Environmental, Inc. on behalf of the Louise Pierson Revocable Trust (hereinafter called the Permittee) pursuant to Regulation 3 of the Rules and Regulations of the North Coast Unified Air Quality Management District (hereinafter called the District), and said application has been reviewed and considered by the Air Pollution Control Officer of said District (hereinafter referred to as the Control Officer or NCUAQMD).

This is your Authority to Construct and Temporary Permit to Operate (hereinafter called PERMIT) subject to the following terms and conditions:

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Permit Units	**Permit No.**	
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D. Facility Operation		6
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LIST OF ABBREVIATIONS

CARB	California Air Resources Board
CFM	cubic feet per minute
CFR	Code of Federal Regulations
District	North Coast Unified Air Quality Management District
EPA	Environmental Protection Agency
gpm	gallons per minute
LEL	lower explosive limit
OSHA	Occupational Safety and Health Administration
SCFM	standard cubic feet per minute
TPH	total petroleum hydrocarbons

PERMIT UNITS

A. Vapor Extraction System

(1) Permit Number - NAC-380

I. **BASIC EQUIPMENT** - The project consists of the installation and operation of a groundwater vapor extraction system intended to remove gasoline and diesel which have leaked from underground fuel tanks and dispensers. Five 20 foot deep vapor extraction wells and six 25 foot deep air sparge wells will be constructed to provide access to the contaminated soil and groundwater. The vapor extraction wells will be connected with piping to a Solleco 250 CCAT 250 scfm electric catalytic oxidizer at the remediation compound. The air sparge wells will be connected with piping to an air injection manifold located at the remediation compound. The operation will consist of balancing the input sparge pressure with the exit vacuum pressure of the soil vapor extraction blower to maximize the underground sparge vapor capture and subsequent oxidation of contaminants at the surface.

II. EMISSIONS LIMITATION

Emissions shall not exceed the emission limits in the following table:

SUMMARY OF EMISSION LIMITS					
Pollutant	*ppmv*	*lbs/hr*	*lbs/day*	*tons/yr*	*Regulation*
TPH(g)	3569	9.13	219.12	39.99	NSR/PSD
Benzene	0.138	0.00250	0.06008	0.01096	Hot Spot
Toluene	2.4	0.05142	1.23411	0.22523	Hot Spot
Ethylbenzene	2.74	0.06754	1.62106	0.29584	Hot Spot
MTBE	0.069	0.00141	0.03395	0.00620	Hot Spot
Xylene	11.61	0.28620	6.86880	1.25356	Hot Spot

III. COMPLIANCE MONITORING

A. No less than 15 minutes after start-up, the Permittee shall:

1. Analyze exhaust gas stream to determine the flow rate and concentration of benzene, toluene, ethylbenzene, MTBE, xylenes, and TPHg present for each of the first four days of operation and before shutdown periods.

B. After the initial testing required by A.1. is complete, the permittee shall analyze the exhaust gas to determine the concentration of benzene, toluene, ethylbenzene, MTBE, xylenes, and TPHg present 1) once per week and 2) before shutdown periods.

C. The permittee shall calculate the benzene, toluene, ethylbenzene, MTBE, xylenes, and TPHg emission rate in pounds per hour based on the exhaust gas analysis and the operating exhaust flow rate. The air sparge and soil vapor extraction flow rates shall be decreased, if necessary, to demonstrate compliance with the emission limits in Section II.

D. The permittee shall submit the test results and emission calculations to the District within one month of the testing date. Samples shall be analyzed according to modified EPA test method TO-14 or equivalent to determine the concentrations of benzene, toluene, ethylbenzene, MTBE, xylenes, and TPHg.

IV. REPORTING AND RECORDKEEPING - see also General Provisions, section F.

A. The Permittee shall submit to the District within 30 days of the end of each month the following records for each month of operation of the source:

1. Days and hours of operation.
2. Each emission test, analysis or monitoring results logged in for the day of operation they were taken.

B. Any noncompliance with conditions must be reported to the District at the time it was discovered. The submittal shall include the data showing the exceedence as well as the time of occurrence.

GENERAL PROVISIONS

These general provisions apply to all facilities or sources owned or operated by the permittee as detailed in this permit.

A. Permit Validity – This authority to Construct Permit is valid from the date of issuance until a permit to operate for the equipment for which the application was filed is granted or denied or the application is canceled. In the event a permit to operate is not issued within one (1) year from the effective date of this permit, the permit to operate shall be deemed denied. Notwithstanding, upon written request to the APCO, this Authority to Construct permit may be extended by written authorization of the APCO.

B. Fee Payment - The Permittee shall pay an annual permit fee as required in accordance with Regulation 3, Rule 1-300 of the District. Failure to pay these fees will result in forfeiture of this Permit. Operation without a permit subjects the source to potential enforcement action by the District.

C. Fee Payment - The Permittee shall pay an annual permit fee as required in accordance with Regulation 3, Rule 1-300 of the District. Failure to pay these fees will result in forfeiture of this Permit. Operation without a permit subjects the source to potential enforcement action by the District.

D. Inspection and Entry - Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the District or an authorized representative to perform the following:

1. Enter upon the permittee's premises where a regulated facility or emissions-related activity is located or conducted, or where records must be kept under the conditions of this permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the conditions of this permit.

E. Facility Operation

1. Operation under this permit must be conducted in compliance with all data and specifications included in the application which attest to the operator's ability to comply with District Rules and Regulations.

2. All equipment of this permit shall at all times be maintained in good working order and be operated as efficiently as possible so as to minimize air pollutant emissions.

F. Compliance

1. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of Regulation 1 of the District and is grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or for denial of an application for re-issuance of the permit.

2. The need to halt or reduce activity is not a defense. It shall not be a defense for a permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

3. The permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by this permit.

G. Severability - If any term or condition of this permit shall for any reason be adjudged by a court of competent jurisdiction to be invalid, such judgment shall not affect or invalidate the remainder of this permit.

H. Recordkeeping and Reporting

1. The permittee shall retain records of all required monitoring data and support information for a period of at least one (1) year from the date of the sample, measurement, report, or application. Support information includes all maintenance records, and copies of all reports required by this permit.

2. The permittee shall report to the District any deviations from these permit requirements, including those attributable to breakdown conditions, the probable cause of the deviations, and any corrective actions or preventive measures taken. Procedures of Regulation 1, Rule 540 shall be followed in the reporting of such deviations. A breakdown log shall be maintained for recordkeeping purposes[Regulation 1, Rule 540].

I. Transfer of Ownership - In the event of any changes in control or ownership of these facilities, this permit together with its terms and conditions shall be binding on all subsequent owners and operators. This permit is not transferable from one person to another unless such transfer is made through the District. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, a copy of which shall be forwarded to the District. [Regulation 1, Rule 240(j)]

J. Reopening for Cause - This permit may be modified, revoked, reopened, reissued, or terminated for the following reasons:

1. The filing of a request by the permittee for a permit modification, revocation and re-issuance, or termination, or of a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

2. The District determines that the permit contains a material mistake made in establishing the emissions standards or limitations, or other requirements of the permit.

3. The District determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

K. Property Rights - This permit does not convey any property rights of any sort, or any exclusive privilege.

L. Permit Modification - The permittee shall submit an application for any changes to the basic or control equipment for any permit unit in this permit.

M. Prohibitions - These limitations apply to all emissions sources at the permittee's facility unless more specific and limiting requirements are listed for an individual permitted emissions unit in this permit.

1. **Public Nuisance** - The permittee shall not discharge such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health or safety of any such persons or the public or which cause or have an natural tendency to cause injury or damage to business or property.[H&S 41700]

2. **Circumvention** - The permittee shall not construct, erect, modify, operate, or use any equipment which conceals an air contaminant emission, which would otherwise constitute a violation of the limitations of this permit, unless the operation or use of said equipment results in a significant reduction in the total emission of air contaminants.[Rule 400(b)]

3. **Regulation 2, Open Burning Procedures** - The permittee shall not ignite or cause to be ignited or suffer, allow or maintain any open outdoor fire for the disposal of rubber, petroleum or plastic wastes, demolition debris, tires, tar paper, wood waste, asphalt shingles, linoleum, cloth, household garbage or other combustible refuse; or for metal salvage or burning of motor vehicle bodies except as provided in Rule 2-102, Exemptions.

THIS PERMIT BECOMES VOID UPON ANY ALTERATION OF EQUIPMENT

This permit does not authorize the emission of air contaminants in excess of those allowed by the Health and Safety Code of the State of California or the Rules and Regulations of the North Coast Unified Air Quality Management District as stated in this permit. This permit cannot be considered as permission to violate existing laws, ordinances, regulation or statutes of other governmental agencies. The violation of any of these terms and conditions shall be grounds for revocation of this permit, and shall be a violation of District Rules and Regulations.

NORTH COAST UNIFIED AIR QUALITY MANAGEMENT DISTRICT

2300 MYRTLE AVENUE PHONE (707) 443-3093
EUREKA, CALIFORNIA 95501 FAX (707) 443-3099

DATE: 7/15/04 BY: Dave Wunker

DAVE WUNKER,
AIR QUALITY SPECIALIST III
for
LAWRENCE ODLE,
AIR POLLUTION CONTROL OFFICER

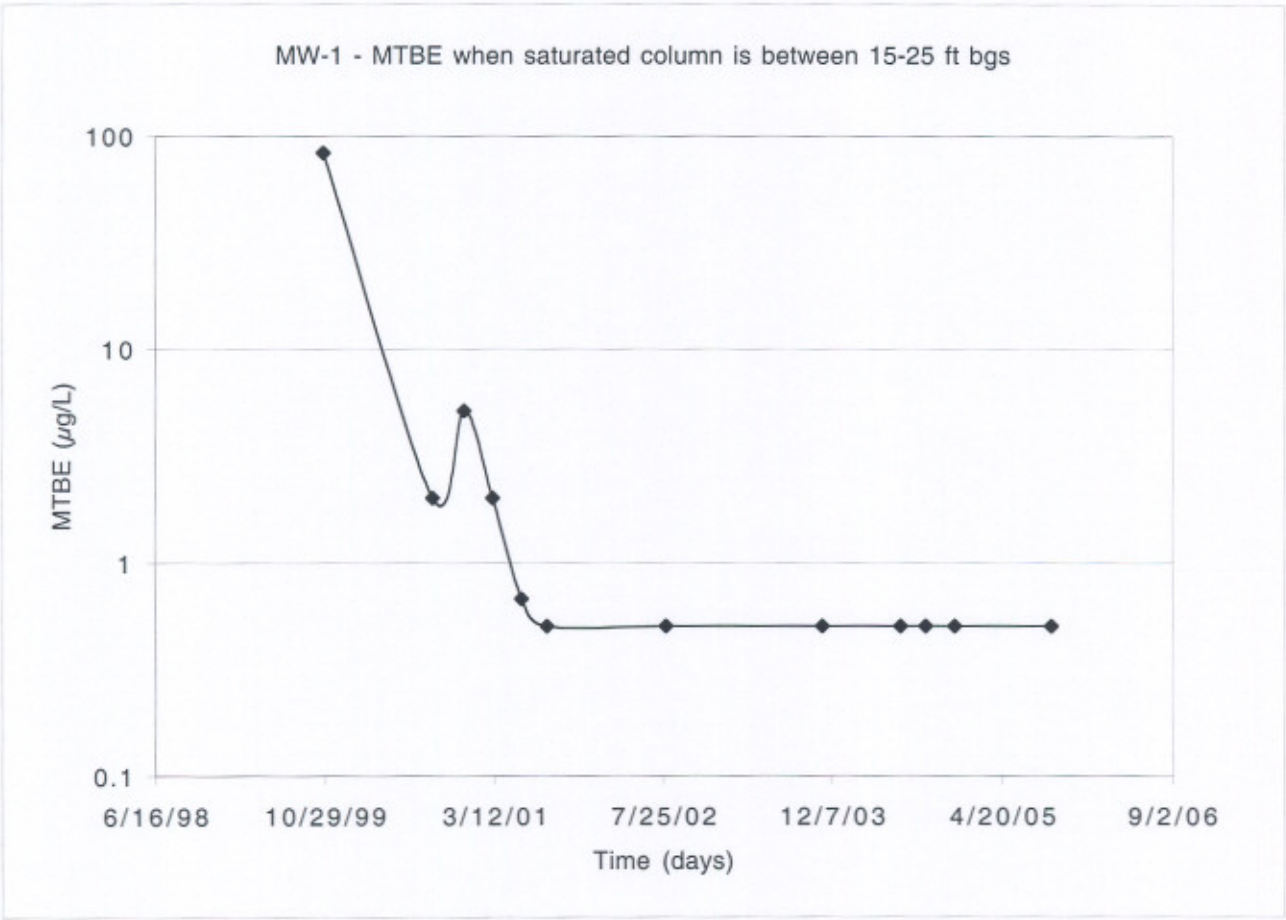
Permit Seal

APPENDIX D

MW-1: MTBE Concentration when saturated column is between 15-25 ft bgs

Date	MTBE value for plot* (μg/L)	MTBE actual value (μg/L)	Depth to Water (ft bgs)
10/25/99	83	83	17.42
9/12/00	2	<2	17.11
12/14/00	5.1	5.1	18.59
3/9/01	2	<2	16.78
6/1/01	0.67	0.67	18.04
8/17/01	0.5	<0.5	19.57
8/5/02	0.5	<0.5	17.01
11/10/03	0.5	<0.5	19.25
6/28/04	0.5	<0.5	15.04
9/8/04	0.5	<0.5	17.87
12/2/04	0.5	<0.5	19.19
9/13/05	0.5	<0.5	18.28

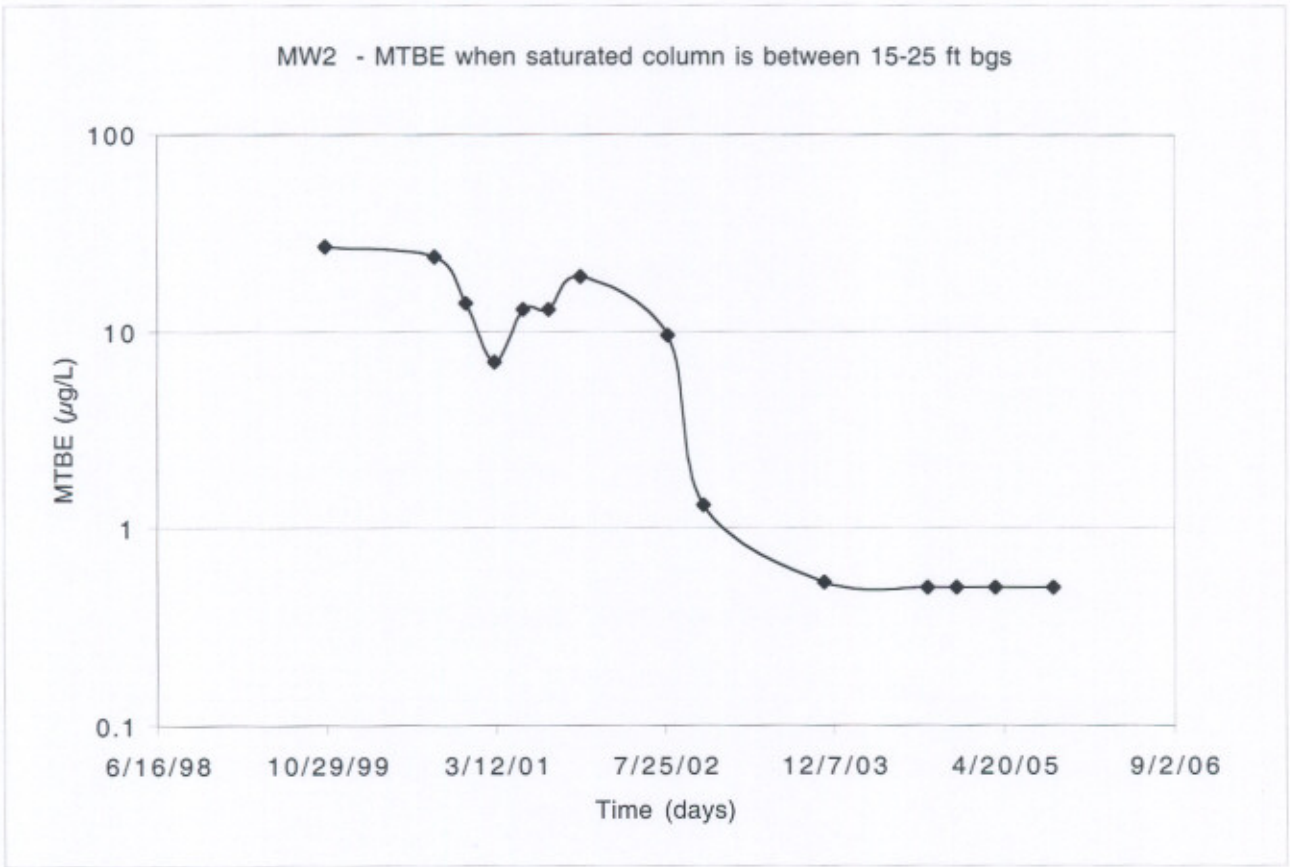
* Detection limit used as MTBE concentration for plot if sample non-detect.
MW-1 well screen 5-25 ft bgs



MW-2: MTBE Concentration when saturated column is between 15-25 ft bgs

Date	MTBE value for plot* (μg/L)	MTBE actual value (μg/L)	Depth to Water (ft bgs)
10/25/99	27	27	16.77
9/12/00	24	24	16.43
12/14/00	14	14	18.16
3/9/01	7.0	7.0	17.04
6/1/01	13	13	17.83
8/17/01	13	13	19.14
11/19/01	19	19	20.55
8/5/02	9.6	9.6	16.15
11/18/02	1.3	1.3	18.96
11/10/03	0.53	0.53	18.47
9/8/04	0.5	<0.5	17.13
12/2/04	0.5	<0.5	18.66
3/27/05	0.5	<0.5	15.19
9/13/05	0.5	<0.5	17.92

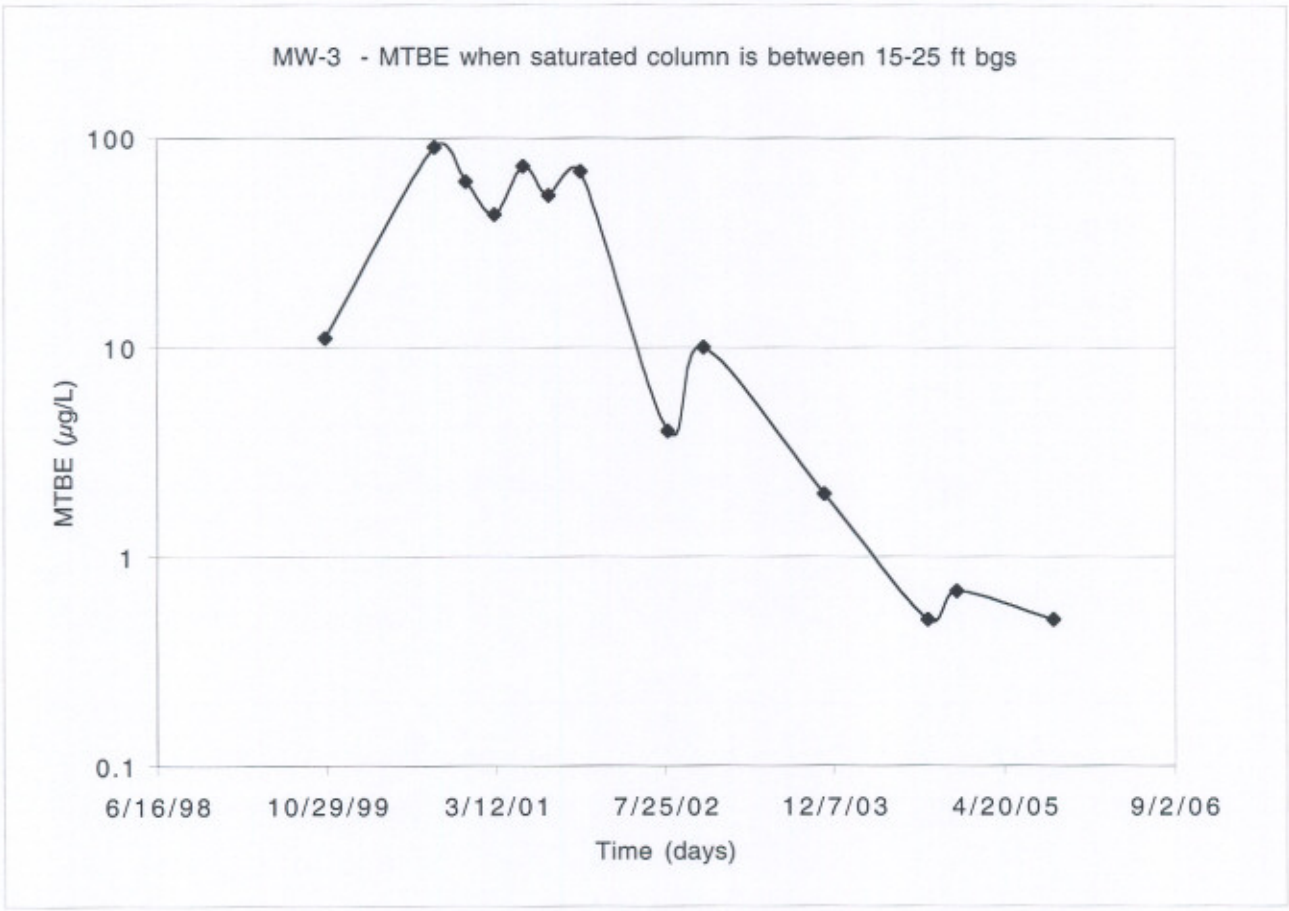
* Detection limit used as MTBE concentration for plot if sample non-detect.
MW-2 well screen 5-25 ft bgs



MW-3: MTBE Concentration when saturated column is between 15-25 ft bgs

Date	MTBE value for plot* (μg/L)	MTBE actual value (μg/L)	Depth to Water (ft bgs)
10/25/99	11	11	16.72
9/12/00	90	90	16.23
12/14/00	62	62	17.67
3/9/01	43	43	15.93
6/1/01	73	73	17.16
8/17/01	53	53	18.65
11/19/01	69	69	20.06
8/5/02	4.0	4.0	16.09
11/18/02	10	10	18.77
11/10/03	2.0	2.0	18.37
9/8/04	0.5	<0.5	16.93
12/2/04	0.68	0.68	18.31
9/13/05	0.5	<0.5	16.76

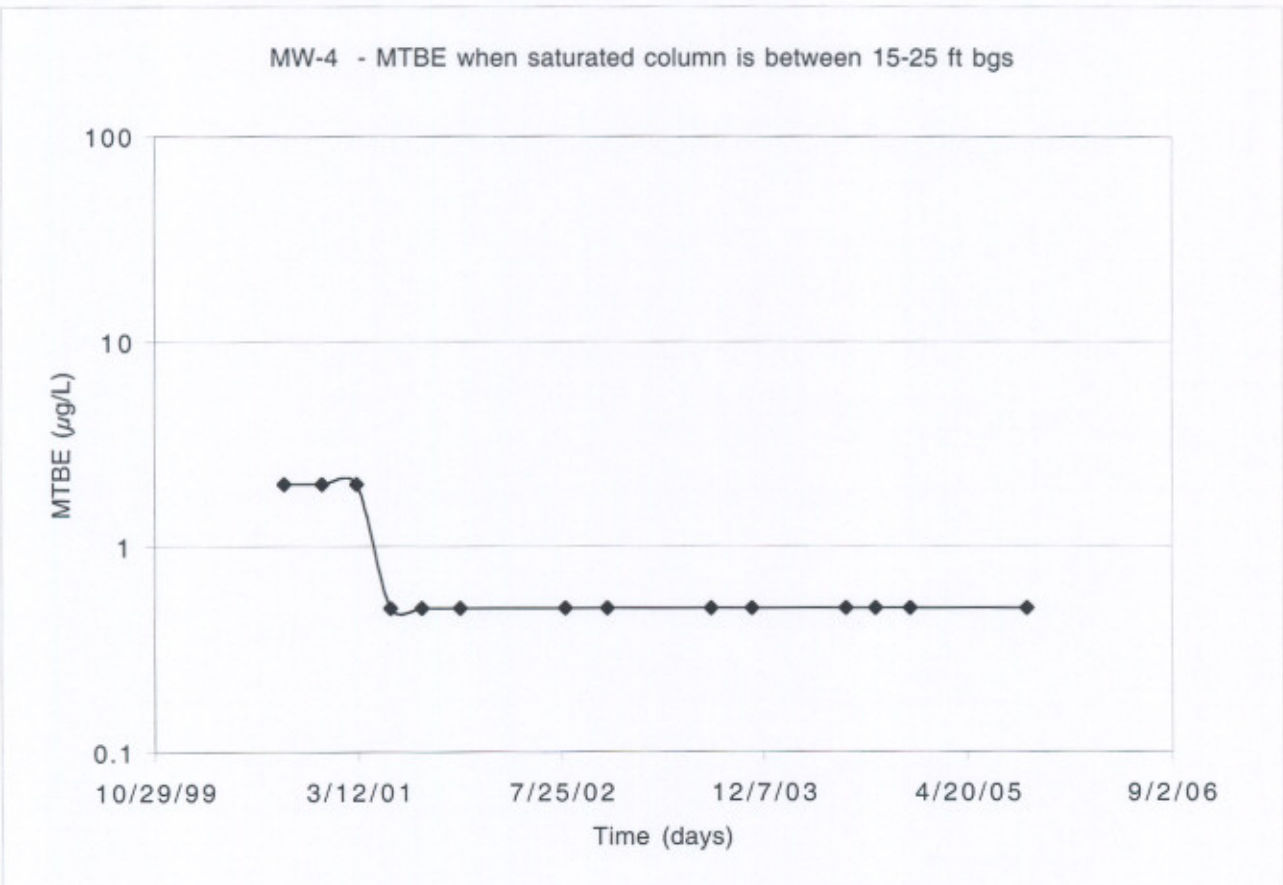
* Detection limit used as MTBE concentration for plot if sample non-detect.
MW-3 well screen 5-25 ft bgs



MW-4: MTBE Concentration when saturated column is between 15-25 ft bgs

Date	MTBE value for plot* (μg/L)	MTBE actual value (μg/L)	Depth to Water (ft bgs)
9/12/00	2	<2	17.56
12/14/00	2	<2	18.88
3/9/01	2	<2	16.52
6/1/01	0.5	<0.5	18.23
8/17/01	0.5	<0.5	19.84
11/19/01	0.5	<0.5	21.28
8/5/02	0.5	<0.5	17.43
11/18/02	0.5	<0.5	20.01
8/1/03	0.5	<0.5	15.18
11/10/03	0.5	<0.5	19.62
6/28/04	0.5	<0.5	15.21
9/8/04	0.5	<0.5	18.25
12/2/04	0.5	<0.5	19.48
9/13/05	0.5	<0.5	18.11

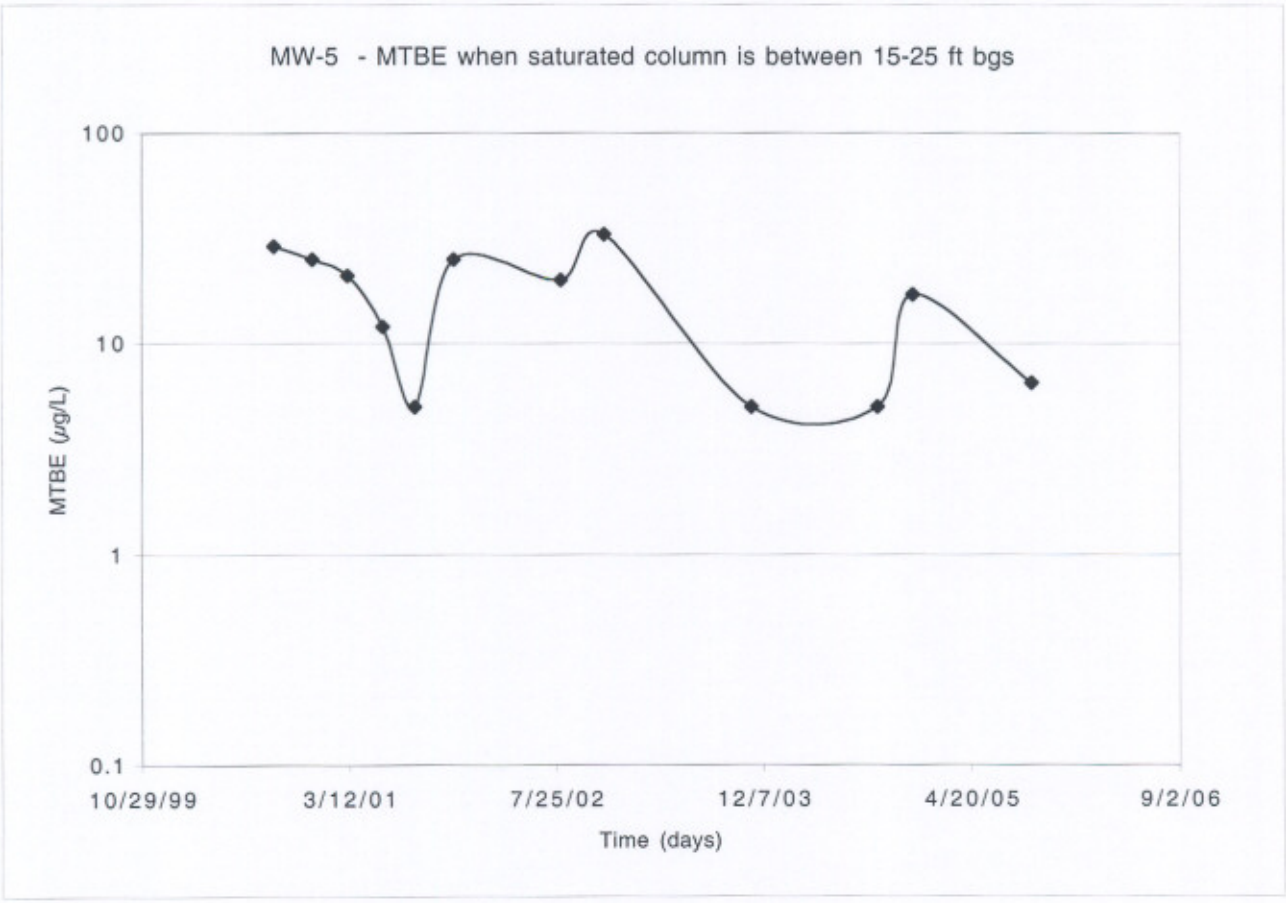
* Detection limit used as MTBE concentration for plot if sample non-detect.
MW-4 well screen 5-25 ft bgs



MW-5: MTBE Concentration when saturated column is between 15-25 ft bgs

Date	MTBE value for plot* (μg/L)	MTBE actual value (μg/L)	Depth to Water (ft bgs)
9/12/00	29	29	15.83
12/14/00	25	25	17.93
3/9/01	21	21	16.56
6/1/01	12	12	17.28
8/17/01	5	<5	18.93
11/19/01	25	25	20.43
8/5/02	20	<20	15.73
11/18/02	33	33	18.91
11/10/03	5	<5	18.06
9/8/04	5	<5	16.16
12/2/04	17	17	18.11
9/13/05	6.5	6.5	16.80

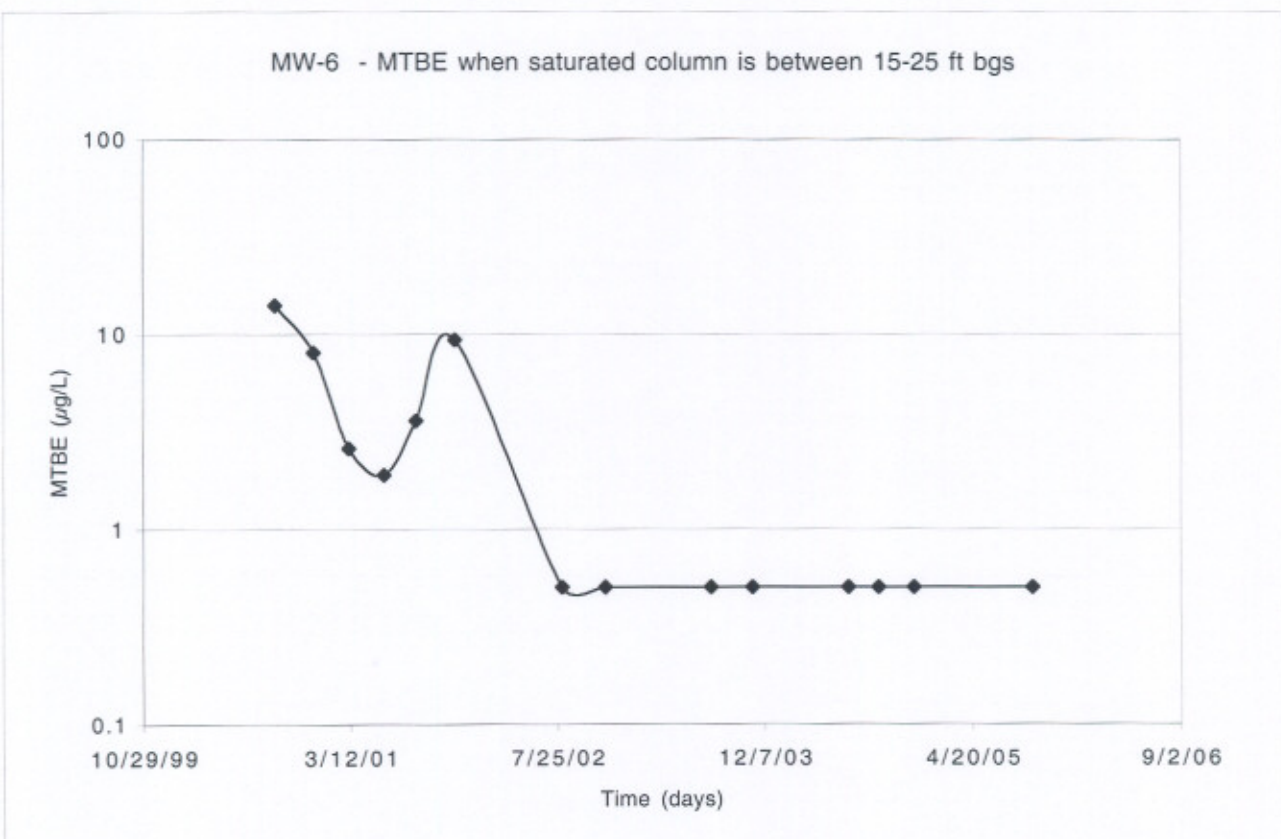
* Detection limit used as MTBE concentration for plot if sample non-detect.
MW-5 well screen 5-25 ft bgs



MW-6: MTBE Concentration when saturated column is between 15-25 ft bgs

Date	MTBE value for plot* (μg/L)	MTBE actual value (μg/L)	Depth to Water (ft bgs)
9/12/00	14	14	17.28
12/14/00	8.1	8.1	18.82
3/9/01	2.6	2.6	17.09
6/1/01	1.9	1.9	18.33
8/17/01	3.6	3.6	19.86
11/19/01	9.4	9.4	21.27
8/5/02	0.5	<0.5	17.23
11/18/02	0.5	<0.5	19.94
8/1/03	0.5	<0.5	15.11
11/10/03	0.5	<0.5	19.44
6/28/04	0.5	<0.5	15.30
9/8/04	0.5	<0.5	18.08
12/2/04	0.5	<0.5	19.43
9/13/05	0.5	<0.5	18.92

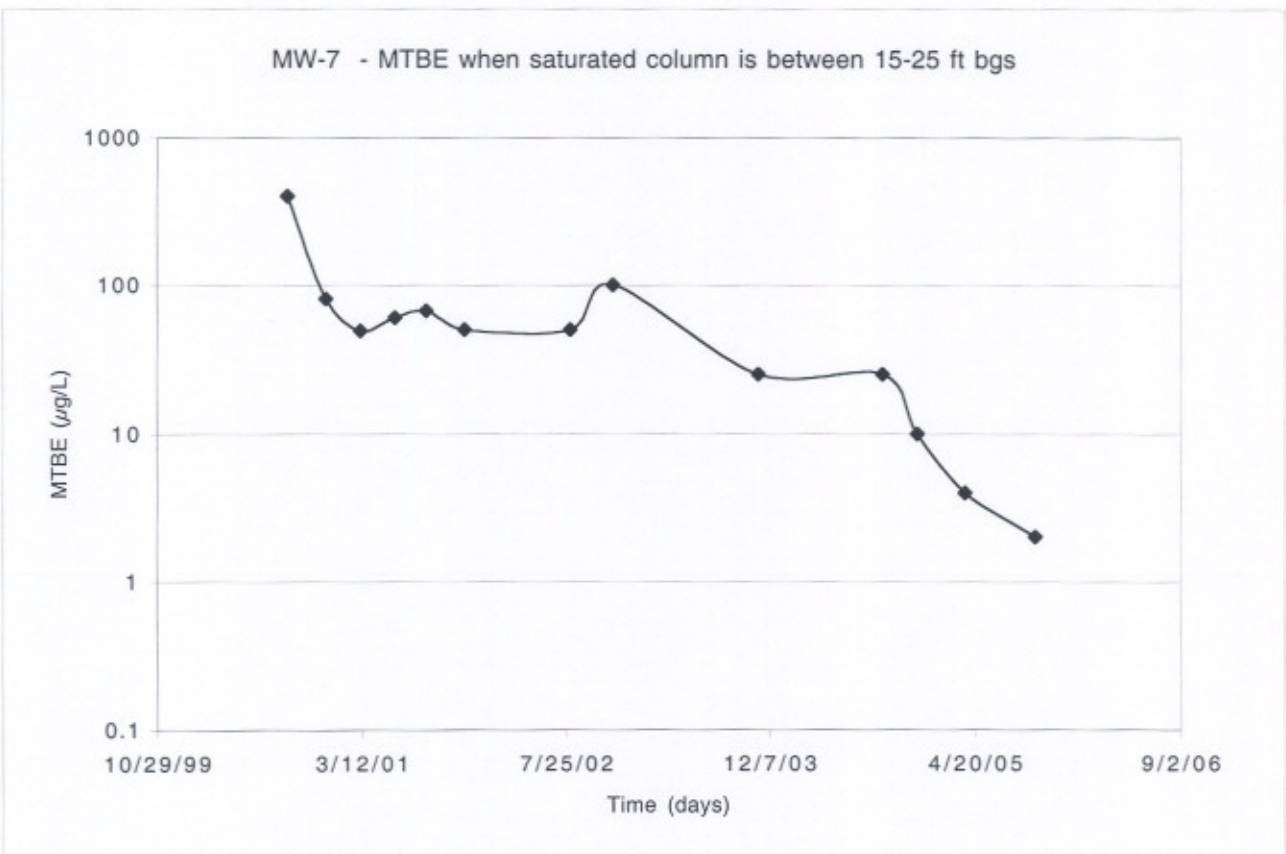
* Detection limit used as MTBE concentration for plot if sample non-detect.
MW-6 well screen 5-25 ft bgs



MW-7: MTBE Concentration when saturated column is between 15-25 ft bgs

Date	MTBE value for plot* (μg/L)	MTBE actual value (μg/L)	Depth to Water (ft bgs)
9/12/00	400	<400	16.26
12/14/00	81	81	18.27
3/9/01	49	49	17.04
6/1/01	60	60	17.89
8/17/01	67	67	19.23
11/19/01	50	<50	20.64
8/5/02	50	<50	16.06
11/18/02	100	<100	19.12
11/10/03	25	<25	18.53
9/8/04	25	<25	17.04
12/2/04	10	<10	18.64
3/27/05	4	<4	15.24
9/13/05	2	<2	21.31

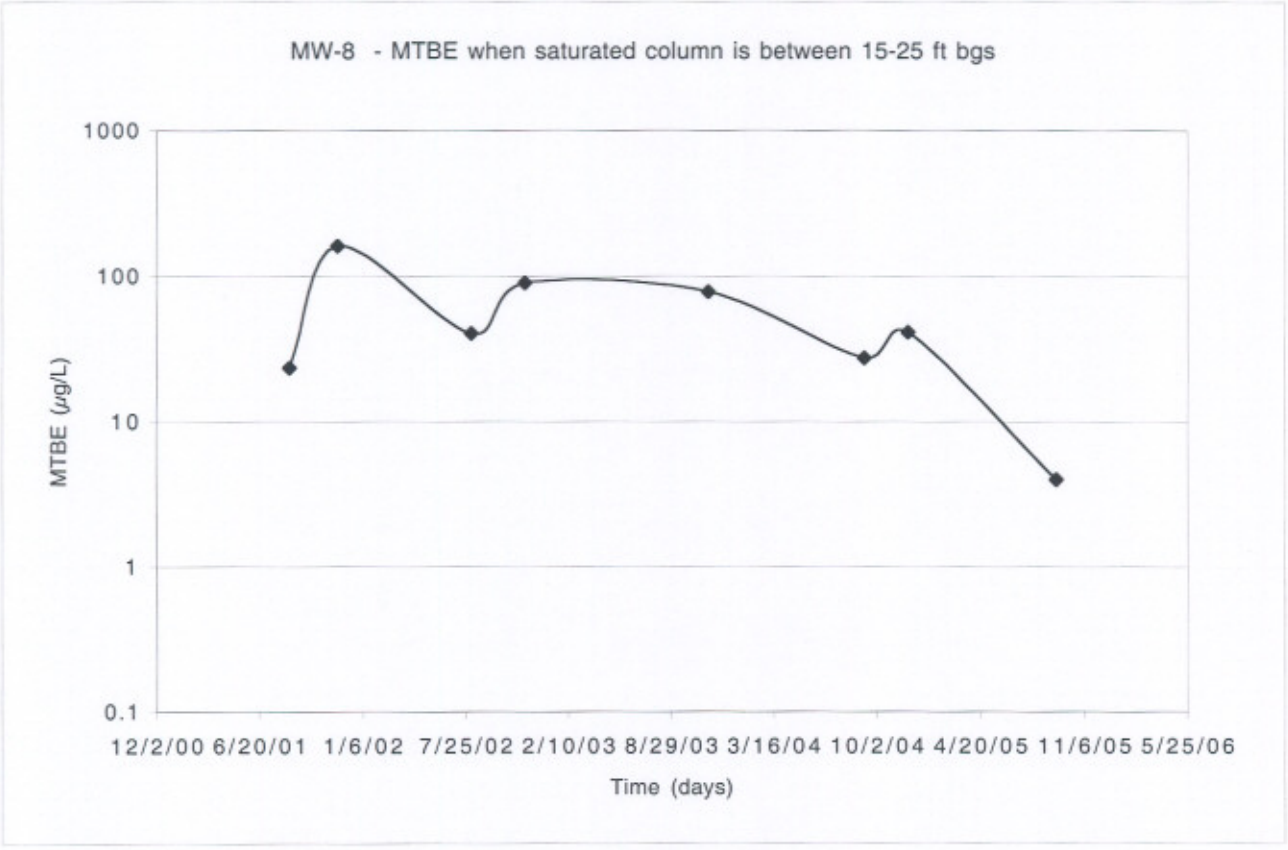
* Detection limit used as MTBE concentration for plot if sample non-detect.
MW-7 well screen 5-25 ft bgs



MW-8: MTBE Concentration when saturated column is between 15-25 ft bgs

Date	MTBE value for plot* (μg/L)	MTBE actual value (μg/L)	Depth to Water (ft bgs)
8/17/01	23	23	18.58
11/19/01	160	160	19.99
8/5/02	40	40	15.90
11/18/02	89	89	18.53
11/10/03	78	78	18.16
9/8/04	27	27	16.77
12/2/04	41	41	18.17
9/13/05	4.0	4.0	16.94

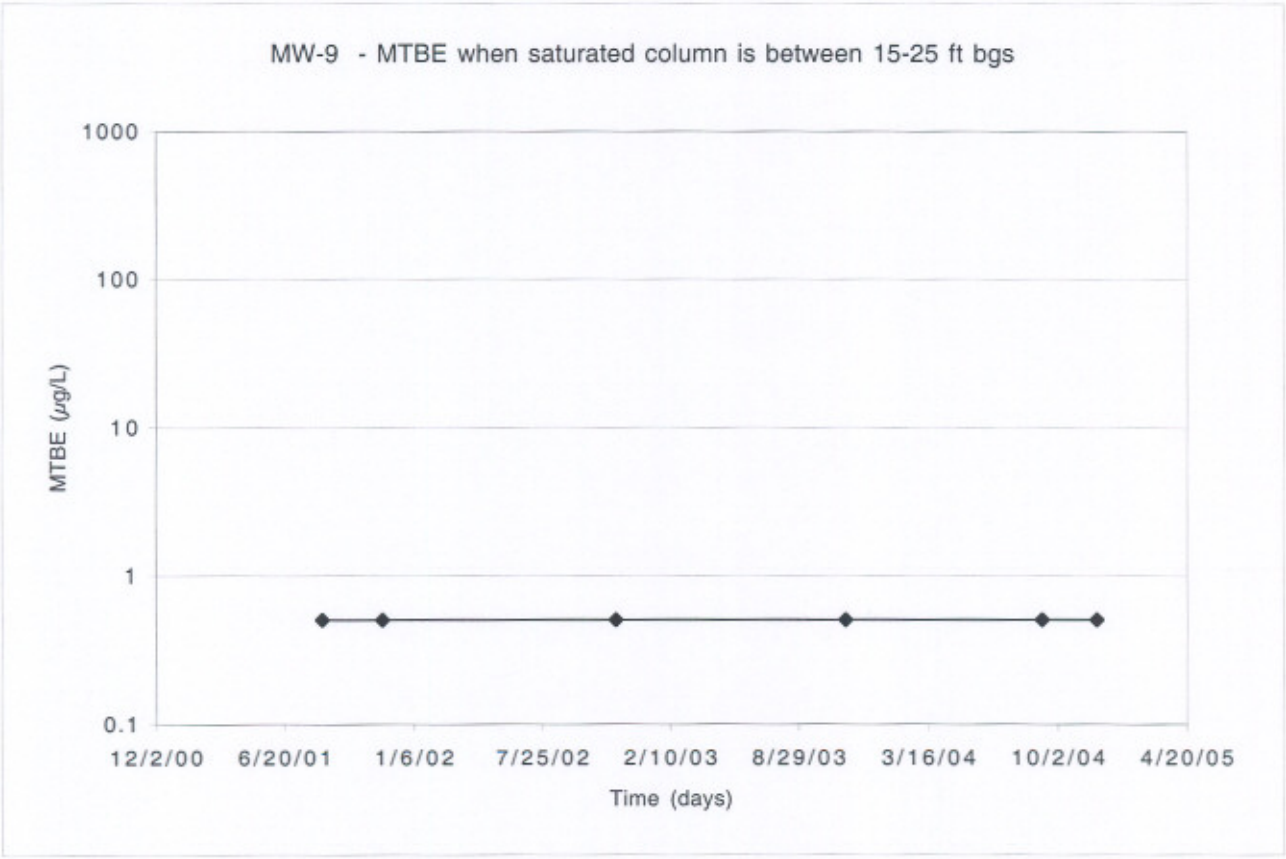
* Detection limit used as MTBE concentration for plot if sample non-detect.
MW-8 well screen 5-25 ft bgs



MW-9: MTBE Concentration when saturated column is between 15-25 ft bgs

Date	MTBE value for plot* (μg/L)	MTBE actual value (μg/L)	Depth to Water (ft bgs)
8/17/01	0.5	<0.5	17.41
11/19/01	0.5	<0.5	18.66
11/18/02	0.5	<0.5	17.32
11/10/03	0.5	<0.5	16.95
9/8/04	0.5	<0.5	15.47
12/2/04	0.5	<0.5	17.02

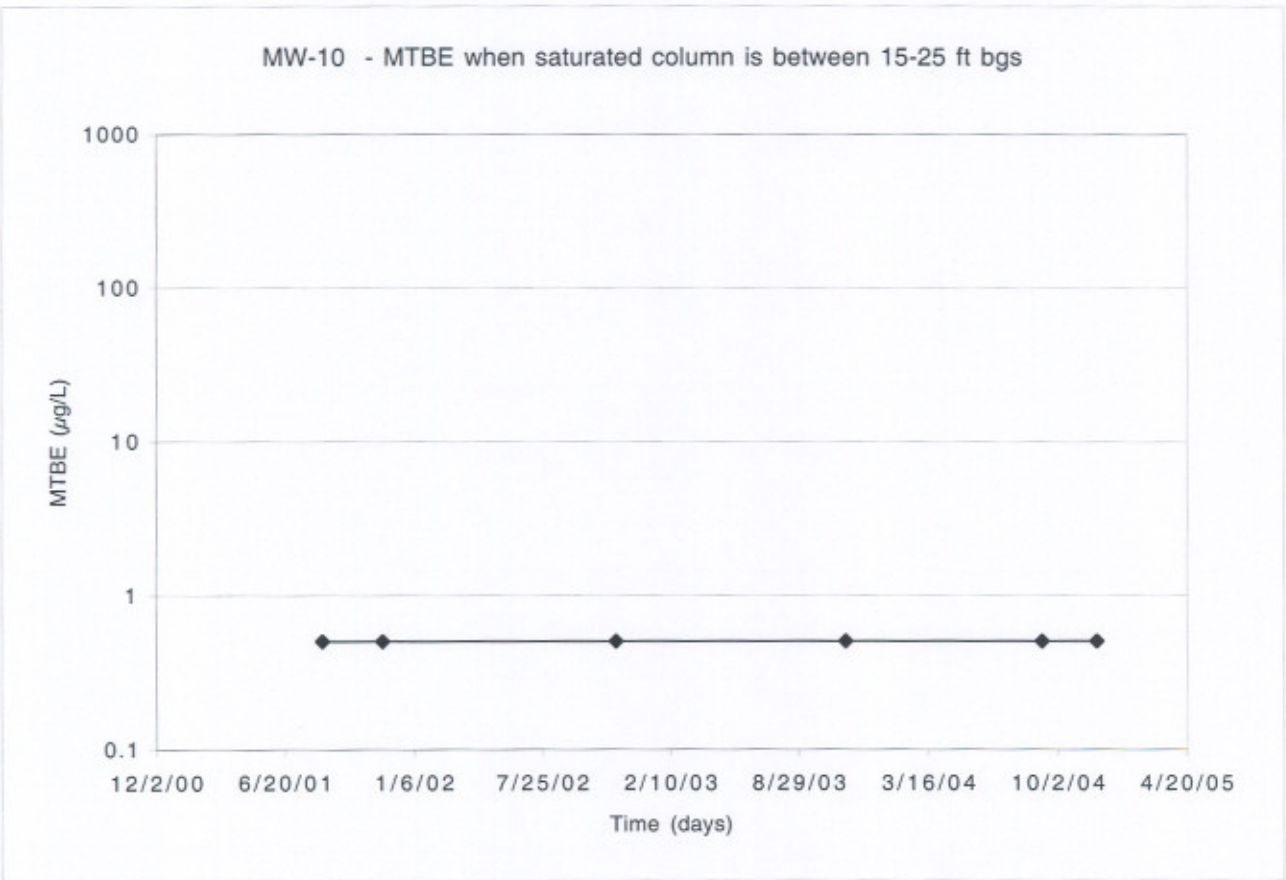
* Detection limit used as MTBE concentration for plot if sample non-detect.
MW-9 well screen 5-25 ft bgs



MW-10: MTBE Concentration when saturated column is between 15-25 ft bgs

Date	MTBE value for plot* (μg/L)	MTBE actual value (μg/L)	Depth to Water (ft bgs)
8/17/01	0.5	<0.5	17.41
11/19/01	0.5	<0.5	18.66
11/18/02	0.5	<0.5	17.32
11/10/03	0.5	<0.5	16.95
9/8/04	0.5	<0.5	15.47
12/2/04	0.5	<0.5	17.02

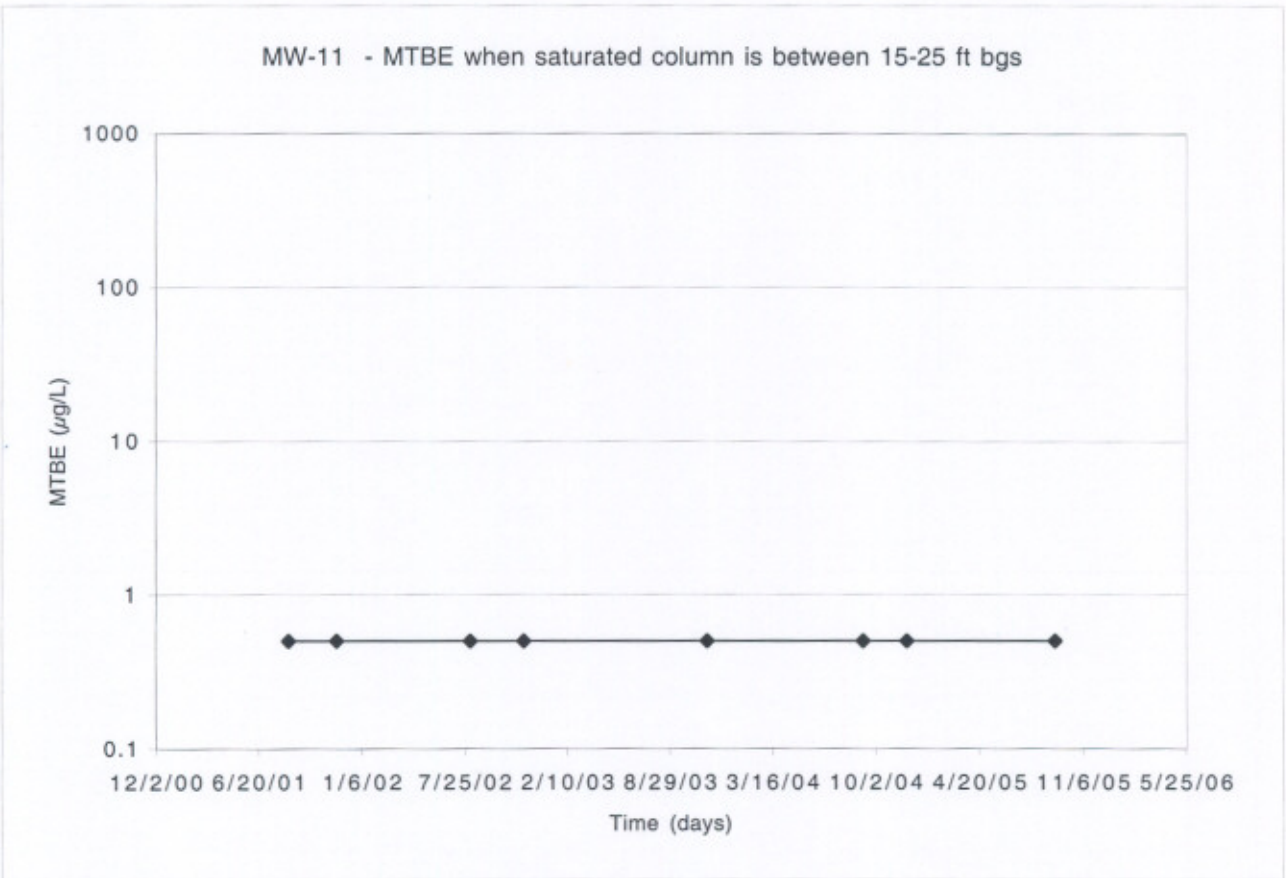
* Detection limit used as MTBE concentration for plot if sample non-detect.
MW-10 well screen 5-25 ft bgs



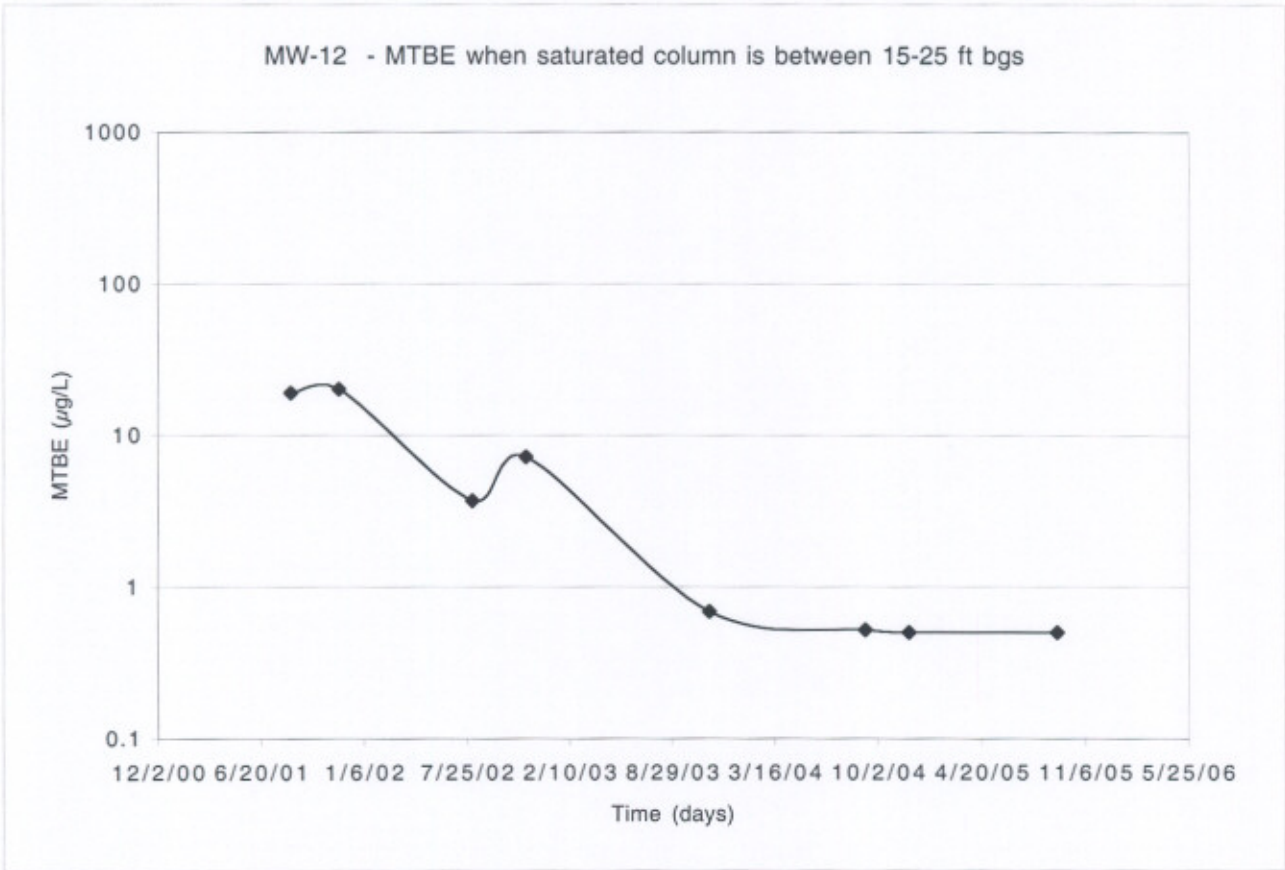
MW-11: MTBE Concentration when saturated column is between 15-25 ft bgs

Date	MTBE value for plot* (μg/L)	MTBE actual value (μg/L)	Depth to Water (ft bgs)
8/17/01	0.5	<0.5	18.28
11/19/01	0.5	<0.5	19.83
8/5/02	0.5	<0.5	15.39
11/18/02	0.5	<0.5	18.31
11/10/03	0.5	<0.5	17.71
9/8/04	0.5	<0.5	16.26
12/2/04	0.5	<0.5	17.90
9/13/05	0.5	<0.5	16.07

* Detection limit used as MTBE concentration for plot if sample non-detect.
MW-11 well screen 5-25 ft bgs



MW-12: MTBE Concentration when saturated column is between 15-25 ft bgs

Date	MTBE value for plot* (μg/L)	MTBE actual value (μg/L)	Depth to Water (ft bgs)
8/17/01	19	19	18.31
11/19/01	20	20	19.77
8/5/02	3.7	3.7	15.55
11/18/02	7.2	7.2	18.36
11/10/03	0.69	0.69	17.80
9/8/04	0.52	0.52	16.37
12/2/04	0.5	<0.5	17.91
9/13/05	0.5	<0.5	16.64

* Detection limit used as MTBE concentration for plot if sample non-detect.
MW-12 well screen 5-25 ft bgs