

C A P E
ENVIRONMENTAL
MANAGEMENT
I N C

June 7, 1999

Mr. Larry Seto
Senior Hazardous Materials Specialist
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, #250
Alameda, California 94502-6577

RE: Addendum to the Groundwater Monitoring Report dated April 13, 1999: MTBE Data for Groundwater Samples Collected During the February 22, 1999 Monitoring, Alameda Federal Center, 620 Central Avenue, Alameda, California
STID 4655
CAPE Project No. 2403C.024.001 (CAPE-02)


Dear Mr. Seto:

Please accept this letter and attached data as an addendum to the referenced report and closure request. The laboratory report was prepared by Curtis and Tompkins at the request of Cape Environmental Management, Inc. (CAPE) on behalf of the General Services Administration (GSA) in response to your letter dated April 23, 1999 requesting MTBE data for the groundwater at the site.

The attached report presents data for MTBE and BTEX compounds using EPA Method 8021B. The report shows that for the sample collected from monitoring well MW-1 a concentration of 7.1 micrograms per liter was detected. The samples collected from the other groundwater wells in the program were found to contain concentrations of MTBE below the detection limit of the method used.

CAPE and the GSA are maintaining our request for site closure based on work performed at the site to date. If you have questions or require additional information, please contact the undersigned at 801.943.4144.

Sincerely,
Cape Environmental Management, Inc.


William W. Millar, R.G.
Hydrogeologist



Attachment

cc James Lew/GSA (9PEC) 450 Golden Gate Ave., San Francisco CA 94102
Ando Merendi/GSA (9PMS) 450 Golden Gate Ave., San Francisco CA 94102
John Hochgurtel/CAPE 3631 South Harbor Dr., Suite 130, Santa Ana, CA 92704
Project File

RECEIVED
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BTXE

Client: Cape Environmental, Inc.
Project#: 2403C.024.001
Location: Alameda Fed.

Analysis Method: EPA 8021B
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
138081-001	MW-1	46550	02/22/99	03/02/99	03/02/99	
138081-002	AMW-1	46550	02/22/99	03/02/99	03/02/99	
138081-003	AMW-2	46550	02/22/99	03/03/99	03/03/99	
138081-004	AMW-3	46550	02/22/99	03/03/99	03/03/99	

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CAPE ENVIRONMENTAL
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Matrix: Water

Analyte	Units	138081-001	138081-002	138081-003	138081-004
Diln Fac:		1 <i>MW-1</i>	1 <i>AMW-1</i>	1 <i>AMW-2</i>	1 <i>AMW-3</i>
MTBE	ug/L	7.1	<2	<2	<2
Benzene	ug/L	<0.5	<0.5	<0.5	<0.5
Toluene	ug/L	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	0.68	<0.5	<0.5	<0.5
m,p-Xylenes	ug/L	0.56	0.6	<0.5	<0.5
o-Xylene	ug/L	<0.5	<0.5	<0.5	<0.5
Surrogate					
Trifluorotoluene	%REC	89	90	89	79
Bromofluorobenzene	%REC	92	94	91	82

Lab #: 138081

BATCH QC REPORT



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Page 1 of 1

BTXE

Client: Cape Environmental, Inc.
Project#: 2403C.024.001
Location: Alameda Fed.

Analysis Method: EPA 8021B
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 46550
Units: ug/L
Diln Fac: 1

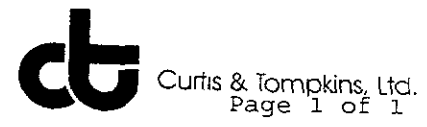
Prep Date: 03/02/99
Analysis Date: 03/02/99

MB Lab ID: QC91949

Analyte	Result	
MTBE	<2.0	
Benzene	<0.5	
Toluene	<0.5	
Ethylbenzene	<0.5	
m,p-Xylenes	<0.5	
o-Xylene	<0.5	
Surrogate	%Rec	Recovery Limits
Trifluorotoluene	85	51-143
Bromofluorobenzene	89	37-146

Lab #: 138081

BATCH QC REPORT



BTXE

Client: Cape Environmental, Inc.	Analysis Method: EPA 8021B
Project#: 2403C.024.001	Prep Method: EPA 5030
Location: Alameda Fed.	

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water	Prep Date: 03/02/99
Batch#: 46550	Analysis Date: 03/02/99
Units: ug/L	
Diln Fac: 1	

BS Lab ID: QC91950

Analyte	Spike Added	BS	%Rec #	Limits
MTBE	20	14.88	74	66-126
Benzene	20	18.16	91	65-111
Toluene	20	17.78	89	76-117
Ethylbenzene	20	18.73	94	71-121
m,p-Xylenes	40	37.63	94	80-123
o-Xylene	20	18.43	92	75-127
Surrogate			%Rec	Limits
Trifluorotoluene			89	51-143
Bromofluorobenzene			93	37-146

BSD Lab ID: QC91951

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
MTBE	20	15.8	79	66-126	6	12
Benzene	20	17.63	88	65-111	3	10
Toluene	20	17.39	87	76-117	2	10
Ethylbenzene	20	18.17	91	71-121	3	11
m,p-Xylenes	40	36.6	92	80-123	3	10
o-Xylene	20	17.72	89	75-127	4	11
Surrogate			%Rec	Limits		
Trifluorotoluene			83	51-143		
Bromofluorobenzene			87	37-146		

* Column to be used to flag recovery and RPD that are with an asterisk
 * Values outside of QC limits
 RPD = 0 out of 6 outside limits
 Spike Recovery = 0 out of 11 outside limits

CHAIN OF CUSTODY FORM

Analyses

Curtis & Tompkins, Ltd.

Analytical Laboratories, Since 1878



2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

C&T
LOGIN #

138001

Sampler: Bill Millan

Project No: CAPE-02 2403C.024.001

Report To: Bill Millan

Project Name: ALAMEDA FED. CENTER

Company: CAPE

Project P.O.: 2403C.024.001

Telephone: 801/943-4144

Turnaround Time: NORMAL

Fax: 801/942-1852

Lab Number	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative				Field Notes	
			Soil	Water	Waste		HCl	H ₂ SO ₄	HNO ₃	ICE		
	MW-1	2-22-99		X		6	X			X		8015 DIESEL 8015 GAS / BTX 016 5520 HOU 8010
	AMW-1	"		X		6	X			X		
	AMW-2	"		X		6	X			X		
	AMW-3	"		X		6	X			X		

Notes:

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