HOLLIS St.
PROJECT
HSP

October 11, 1995

Ms. Susan Hugo
Alameda County Health Care Services Agency
Environmental Protection Division
1131 Harbor Bay Parkway #250
Alameda, CA. 94502-6577

Re: Groundwater Report

Dear Ms. Hugo,

Enclosed is the sampling report of the monitoring well located at 6050 Hollis Street in Emeryville for your review.

We will continue to monitor this well on a quarterly basis for the next year and send you the reports per your recommendations.

If you have any questions, please contact us.

Sincerely,

Debra S. Baker

Debra S. Baker
Property Manager

Enclosure

6050 Hollis St., Emeryville, CA 94608 ● *telephone:* (510) 653-6871 ● *fax* (510) 653-6988
mailing address: P.O. Box 8685, Emeryville, CA 94662-0685

BASELINE

ENVIRONMENTAL CONSULTING

COPY

5 October 1995
S9105-A0

Mr. Francis Collins
Banta Collins
6000 Hollis Street
Emeryville, CA 94608

Subject: Groundwater Monitoring Report, 6050 Hollis Street, Emeryville, California – August 1995

Dear Mr. Collins:

In accordance with the agreement with Alameda County (summarized in a letter from BASELINE to Ms. Susan Hugo of Alameda County Health Care Services Agency, dated 28 February 1995) we are conducting one year of quarterly monitoring at the subject site. This report constitutes the third of four quarterly sampling reports.

Groundwater Sampling

Groundwater samples were collected from wells MW-H1, MW-H2, and MW-H3 on 30 August 1995 by a BASELINE geologist (Figure 1). The water levels were measured in each well using a dual interface probe prior to purging; the potential presence of floating product was also checked; no floating product was identified in any of the wells. The probe was decontaminated between wells by washing with a trisodium phosphate solution and rinsing with deionized water. A minimum of three well volumes were slowly removed from each well using a double diaphragm pump and new disposable tubing. The wells were purged until the temperature, pH, and electrical conductivity of the groundwater had stabilized. Water levels were allowed to sufficiently recharge prior to sample collection. The purged water and decontamination water were placed into a 55-gallon sealed and labeled drum on-site for temporary storage. Groundwater sampling forms are included as Attachment A.

New disposable PVC bailers were used to collect groundwater samples from the monitoring wells. The portions of the samples that were to be analyzed for TPH as gasoline and BTEX were decanted into VOA vials from the bottom of the bailers using volatile organic compound (VOC) attachments to minimize turbulence and volatilization. The filled vials were checked to ensure that bubbles were not trapped in the bottles. The portion of the

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Emeryville • Petaluma • San Francisco

sample that was to be analyzed for TPH as diesel and kerosene was decanted directly into amber glass from the bottom of the bailer without the use of the VOC attachment. The sample bottles were labeled, placed in a cooler with blue ice, and transported for analysis to Curtis & Tompkins, a California-certified laboratory.

Findings

The samples collected from wells MW-H1, MW-H2, and MW-H3 had a clear appearance. Groundwater levels in wells MW-H1, MW-H2, and MW-H3 declined compared to previous groundwater levels measured in May 1995 (Table 1). The groundwater flow direction on 30 August 1995 was determined to be in the N34W direction at a gradient of 0.018 foot/foot. Groundwater flow directions and magnitudes during previous and current sampling events are summarized in Table 2.

TPH as gasoline was identified in the sample from well MW-H1. The laboratory stated that the chromatogram did not match the gasoline standard. TPH as diesel and TPH as kerosene were identified in samples from all three wells; the chromatograms for these samples also did not match their respective standards. BTXE were not identified above the reporting limit in any of the samples. A summary of analytical results from previous and current sampling events is summarized in Table 3, and the laboratory results are included in Attachment A.

The fourth 1995 monitoring event will occur in November 1995. Should you have any questions or need additional information, please do not hesitate to contact us at your convenience.

Sincerely,

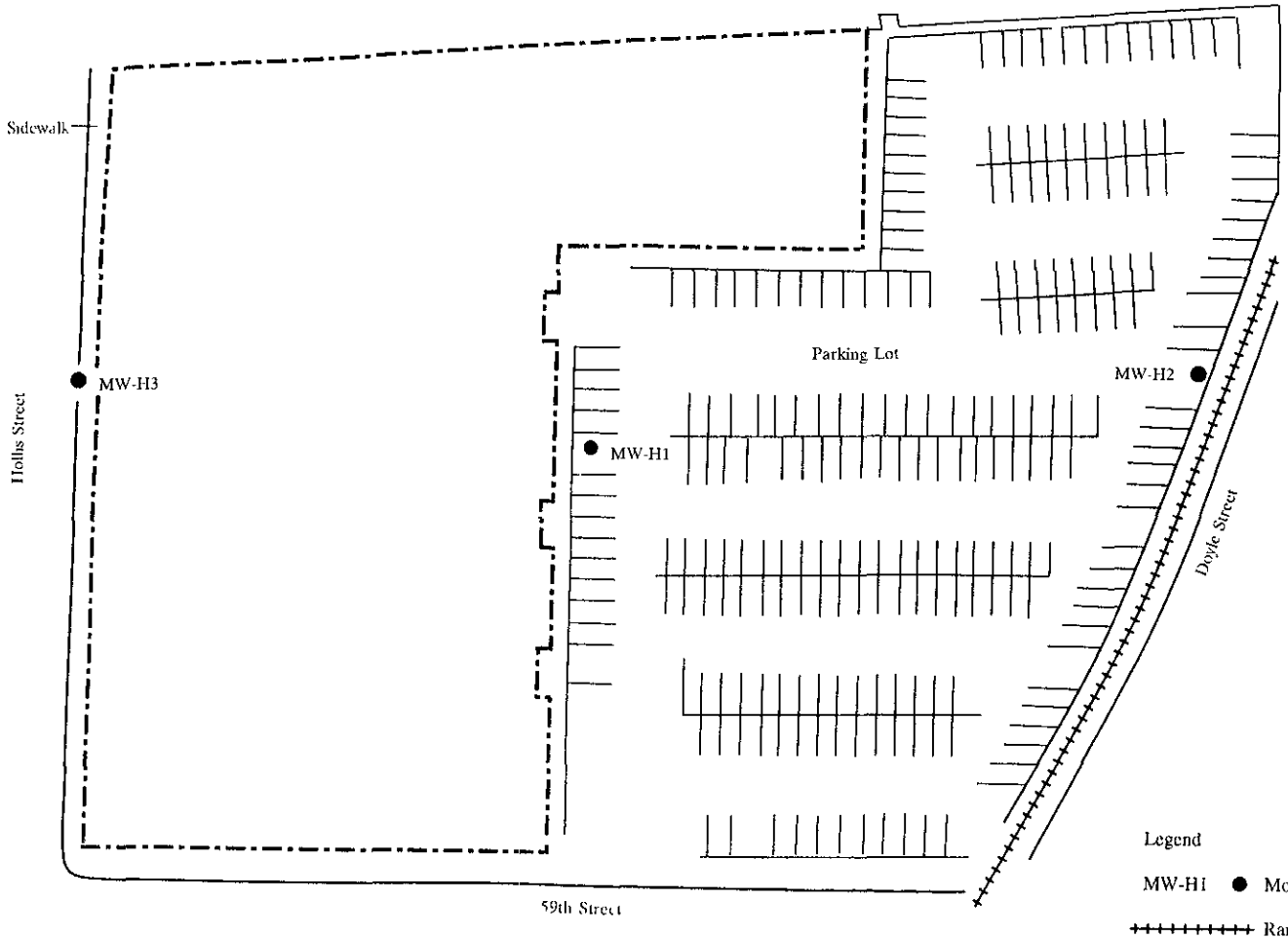
Yane Nordhav
Principal
Reg. Geologist No. 4009

Geneva Randall
Geologist

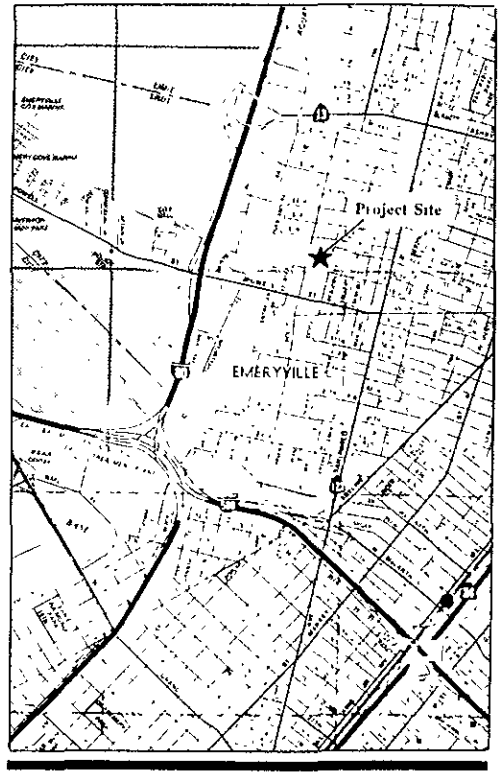
YN:GR:dh
Attachments

SITE PLAN
6050 Hollis Street
Emeryville, California

Figure 1



Regional Location



BASELINE

S9105-AO 7/5/95

TABLE 1

GROUNDWATER LEVEL MEASUREMENTS
6050 Hollis Street, Emeryville

Well	Date	Depth to Water from TOC (feet)	Elevation of TOC (feet msl)	Groundwater Elevation (feet msl)
MW-H1	02/08/89	4.85	18.90	14.05
	05/01/89	5.10		13.80
	09/13/89	5.80		13.10
	12/04/89	5.34		13.56
	03/26/90	6.42		12.48
	07/24/90	5.93		12.97
	11/16/90	5.80		13.10
	03/15/91	4.30		14.60
	09/11/91	5.71		13.19
	09/24/91	5.80		13.10
	05/24/94	3.98		14.92
	03/08/95	3.71		15.19
	05/24/95	3.98		14.92
	08/30/95	5.11		13.79
MW-H2	09/11/91	6.84	21.48	14.64
	09/24/91	6.86		14.62
	05/24/94	6.30		15.18
	03/08/95	5.45		16.03
	05/24/95	6.30		15.18
	08/30/95	6.57		14.91
MW-H3	09/11/91	4.84	16.95	12.11
	09/24/91	4.81		12.14
	05/24/94	3.88		13.07
	03/08/95	3.69		13.26
	05/24/95	3.88		13.07
	08/30/95	4.76		12.19

Notes. msl = mean sea level.
Well locations are shown in Figure 1

TABLE 2

GROUNDWATER FLOW DIRECTION AND MAGNITUDE
6050 Hollis Street, Emeryville

Date	Groundwater Flow Direction	Magnitude (feet/feet)
9/11/91	S30W	0.0068
9/24/91	S13W	0.0099
5/24/94	N20W	0.037
3/08/95	N22W	0.002
5/24/95	N25W	0.039
8/30/95	N34W	0.018

Note: Groundwater flow direction and magnitude were determined graphically by three-point method using wells MW-H1, MW-H2, and MW-H3

TABLE 3

SUMMARY OF ANALYTICAL RESULTS, GROUNDWATER
6050 Hollis Street, Emeryville
(mg/L)

Well	Date	TPH as Gasoline[1]	TPH as Diesel[2]	TPH as Kerosene[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]
MW-H1	02/10/89	<0.05	<0.5	<0.5	<0.001	<0.001	<0.001	<0.001
	05/01/89	<0.05	<0.5	<0.5	<0.001	<0.001	<0.001	<0.001
	09/13/89	**1.3**	<0.5	<0.5	**0.061**	<0.0005	**0.005**	**0.002**
	12/04/89	**0.41/0.37**	<0.5/<0.5	<0.5/<0.5	**0.0072/0.011**	**0.0032/0.0024**	**0.0028/0.0014**	**0.0032/0.0013**
	03/26/90	**0.7**	<0.5	<0.5	**0.093**	**0.001**	**0.0017**	<0.001
	06/14/90[4]	**0.34**[4]	**0.082**[4]	<0.05[4]	**0.016**[4]	<0.001[4]	<0.001[4]	<0.001[4]
	07/24/90	**0.14**	<0.5	<0.5	**0.006**	<0.0005	<0.0005	**0.0009**
	11/16/90	**1.1**	**0.55**	<0.05	**0.016**	**0.0009**	**0.0018**	**0.0015**
	03/15/91	**0.98/1.0**	<0.05/<0.05	<0.05/<0.05	**0.02/0.017**	**0.0006**/<0.0005	**0.0022/0.0019**	**0.0025/0.0022**
	09/11/91	**1.0**	**0.39**	<0.05	**0.015**	**0.0056**	**0.0027**	**0.0029**
	05/24/94	**3.4**	**0.28**	--[6]	**0.021**	<0.0005	**0.010**	**0.0067**
	03/08/95	**3.8**	**0.34**[5]	--[6]	**0.0087**	<0.0005	**0.013**	**0.006**
	05/24/95	**3.4**	**0.28**	--[6]	**0.021**	<0.0005	**0.010**	**0.0067**
	08/30/95	**1.2**[5]	**0.33**[5]	**0.32**[5,7]	<0.0005	<0.0005	<0.0005	<0.0005
MW-H2	09/11/91	<0.05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
	05/24/94	<0.05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
	03/08/95	<0.05	**0.08**[5]	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
	05/24/95	<0.05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
	08/30/95	<0.05	**0.062**[5]	**0.072**[5]	<0.0005	<0.0005	<0.0005	<0.0005

(Continued)

Table 3: Summary of Analytical Results, Groundwater (Continued)

Well	Date	TPH as Gasoline[1]	TPH as Diesel[2]	TPH as Kerosene[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]
MW-H3	09/11/91	<0.05/<0.05	**0.12/0.22**	<0.05/<0.05	<0.0005/<0.0005	<0.0005/<0.0005	<0.0005/<0.0005	<0.0005/<0.0005
	05/24/94	**0.110**[5]	**0.110**	--[6]	<0.0005	<0.0005	<0.0005	<0.0005
	03/08/95	**0.085**	**0.110**[5]	--[6]	<0.0005	<0.0005	<0.0005	<0.0005
	05/24/95	**0.110**[5]	**0.110**	--[6]	<0.0005	<0.0005	<0.0005	<0.0005
	08/30/95	<0.05	**0.057**[5]	**0.057**[5]	<0.0005	<0.0005	<0.0005	<0.0005
Field Blanks	06/14/90[4]	<0.05	**0.062**[4]	<0.05	<0.001	<0.001	<0.001	<0.001
	07/24/90	<0.05	<0.5	<0.5	<0.0005	<0.0005	<0.0005	<0.005
	11/16/90	<0.05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.005

Notes: Number(s) shown in bold are concentrations identified above detection limit(s).
Well locations are shown in Figure 1.
Groundwater sampling forms and analytical results for the most recent sampling are in Attachment A.
xx/xx indicates duplicate samples.

1 Analyzed by EPA Methods 5030/8015 Modified (some of the laboratory reports cite the California DHS Luft Manual).
2 Analyzed by EPA Methods 3510 or 3550/8015 Modified (some of the laboratory reports cite the California DHS Luft Manual).
3 Analyzed by EPA Methods 5030/8020.
4 The field blank for 6/14/90 sampling contained diesel at 0.062 mg/L, therefore all analytical results for MW-H1 for that date may be erroneous.
5 Laboratory report indicates that the chromatogram does not resemble fuel standard.
6 Quantitated as diesel due to overlap of hydrocarbon ranges
7 Hydrocarbon reported is lighter than standard.

ATTACHMENT A

GROUNDWATER SAMPLING FORMS AND LABORATORY REPORT

GROUNDWATER SAMPLING

Project no.:	S9105-AO	Well no.:	MW-H1	Date:	8-30-95
Project name:	Banta Collins	Depth of well from TOC (feet):	20.0		
Location:	6050 Hollis Street	Well diameter (inch):	2		
	Emeryville, CA	Screened interval from TOC (feet):	6.0-20.0		
Recorded by:	WKS	TOC elevation (feet):	18.90		
Weather:	Sunny	Water level from TOC (feet):	5.11	Time:	13:08
Precip in past		Product level from TOC (feet):	None	Time:	13:08
5 days (inch):	None	Water level measurement:	Dual-interface probe		

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING:

[(20.00 ft) - (5.11 ft)] × (0.083 ft)² × 3.14 × 7.48 =

Well depth Water level Well radius

2.4 gallons in one well volume
12 gallons in 5 well volumes
10 total gallons removed

CALIBRATION:

	Time	Temp (° C)	pH	EC (µmho/cm)
Calibration Standard:			7.00/10.01	1,000
Before Purging:	12:21	23.5	7.00/10.01	1,000
After Purging:	14:15	29.6	6.92/9.88	1,000

FIELD MEASUREMENTS:

Time	Temp (° C)	pH	EC (µmho/cm)	Cumulative Gallons Removed	Appearance
13:13	21.2	6.47	1,000	2	Clear, petroleum odor
13:15	21.3	6.47	900	3	Clear, petroleum odor
13:21	21.4	6.48	900	5	Clear, petroleum odor
13:24	21.1	6.53	1,000	6	Clear, petroleum odor
13:33	21.8	6.57	1,000	10	Clear, petroleum odor

Water level after purging prior to sampling (feet):	5.13	Time:	3:25 PM
Appearance of sample:	Clear	Time:	3:10 PM
Duplicate/blank number:	N.A.	Time:	
Purge method:	Double diaphragm pump		
Sampling equipment:	Disposable PVC bailer	VOC attachment:	Used for VOAs
Sample containers:	2 1-liter amber glass bottles. 2 40-ml VOAs		
Sample analyses:	TEH-d, TEH-k, TVH-g, BTEX	Laboratory:	Curtis & Thompkins, Ltd.
Decontamination method:	TSP and water, DI water rinse	Rinsate disposal:	Drum MW-1-3w.

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GROUNDWATER SAMPLING

Project no.:	S9105-AO	Well no.:	MW-H2	Date:	8-30-95
Project name:	Banta Collins	Depth of well from TOC (feet):	20.0		
Location:	6050 Hollis Street	Well diameter (inch):	2		
	Emeryville, CA	Screened interval from TOC (feet):	4.5-20.0		
Recorded by:	WKS	TOC elevation (feet):	21.48		
Weather:	Sunny	Water level from TOC (feet):	6.57	Time:	12:20
Precip in past		Product level from TOC (feet):	None	Time:	12:20
5 days (inch):	None	Water level measurement:	Dual-interface probe		

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING:

[(20.00 ft) - (6.57 ft)] × (0.083 ft)² × 3.14 × 7.48 = 2.2 gallons in one well volume

Well depth Water level Well radius

11 gallons in 5 well volumes

10 total gallons removed

CALIBRATION:

	Time	Temp (° C)	pH	EC (µmho/cm)
Calibration Standard:			7.00/10.01	1,000
Before Purging:	12:21	23.5	7.00/10.01	1,000
After Purging:	14:15	29.6	6.92/9.88	1,000

FIELD MEASUREMENTS:

Time	Temp (° C)	pH	EC (µmho/cm)	Cumulative Gallons Removed	Appearance
12:30	20.8	6.81	240	1	Clear with orange precipitate and rootlets in well
12:38	20.2	6.61	240	3	Clear
12:45	20.7	6.74	250	5	Clear
12:51	20.6	6.89	250	7	Clear
12:57	20.5	6.72	250	8.0	Clear
13:03	20.6	6.68	250	10.0	Clear

Water level after purging prior to sampling (feet):	6.58			Time:	2:55 PM
Appearance of sample:	Very slightly turbid			Time:	2:59 PM
Duplicate/blank number.	N.A.			Time:	
Purge method:	Double diaphragm pump				
Sampling equipment:	Disposable PVC bailer	VOC attachment:	Used for VOAs		
Sample containers:	2 1-liter amber glass bottles, 2 40-ml VOAs				
Sample analyses:	TEH-d, TEH-k, TVH-g, BTEX	Laboratory:	Curtis & Thompkins, Ltd.		
Decontamination method:	TSP and water, DI water rinse	Rinsate disposal:	Drum MW-1-3w.		

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GROUNDWATER SAMPLING

Project no.:	S9105-AO	Well no.:	MW-H3	Date:	8-30-95
Project name:	Banta Collins	Depth of well from TOC (feet):	15.0		
Location:	6050 Hollis Street	Well diameter (inch):	2		
	Emeryville, CA	Screened interval from TOC (feet):	3.0-15.0		
Recorded by:	WKS	TOC elevation (feet):	16.95		
Weather:	Sunny	Water level from TOC (feet):	4.76	Time:	13:49
Precip in past		Product level from TOC (feet):	None	Time:	13:49
5 days (inch):	None	Water level measurement:	Dual-interface probe		

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING:

[(15.00 ft) - (4.76 ft)] × (0.083 ft)² × 3.14 × 7.48 = 1.7 gallons in one well volume

Well depth Water level Well radius

8.3 gallons in 5 well volumes

6 total gallons removed

CALIBRATION:

	Time	Temp (° C)	pH	EC (µmho/cm)
Calibration Standard:			7.00/10.01	1,000
Before Purging:	12:21	23.5	7.00/10.01	1,000
After Purging:	14:15	29.6	6.92/9.88	1,000

FIELD MEASUREMENTS:

Time	Temp (° C)	pH	EC (µmho/cm)	Cumulative Gallons Removed	Appearance
13:54	21.8	6.76	1,000	1	Clear
14:00	21.6	6.65	700	3	Clear
14:05	21.7	6.66	800	4	Clear
14:09	21.5	6.69	825	5	Clear
14:13	20.9	6.67	900	6	Clear

Water level after purging prior to sampling (feet):	3.90			Time:	12:40 PM
Appearance of sample:	Clear			Time:	12:40 PM
Duplicate/blank number:	N.A.			Time:	
Purge method:	Double diaphragm pump				
Sampling equipment:	Disposable PVC bailer	VOC attachment:	Used for VOAs		
Sample containers:	2 1-liter amber glass bottles, 2 40-ml VOAs				
Sample analyses:	TEH-d, TEH-k, TVH-g, BTEX	Laboratory:	Curtis & Thompkins, Ltd.		
Decontamination method:	TSP and water, DI water rinse	Rinsate disposal:	Drum MW-1-3w.		

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Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710. Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Baseline Environmental
5900 Hollis Street
Suite D
Emeryville, CA 94608

Date: 14-SEP-95
Lab Job Number: 122438
Project ID: S9105-A0
Location: B.Collins 6050 Hollis St.

Reviewed by: _____

Reviewed by: _____

TEH-Tot Ext Hydrocarbons

Client: Baseline Environmental
Project#: S9105-AO
Location: B.Collins 6050 Hollis St.

Analysis Method: CA LUFT (EPA 8015M)
Prep Method: LUFT

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
122438-001	MW-1	23023	08/30/95	08/31/95	09/12/95	
122438-002	MW-2	23023	08/30/95	08/31/95	09/12/95	
122438-003	MW-3	23023	08/30/95	08/31/95	09/12/95	

Analyte Diln Fac:	Units	122438-001 1	122438-002 1	122438-003 1
Diesel Range	ug/L	330 Y	62 Y	57 Y
Kerosene Range	ug/L	320 YL	72 Y	57 Y
Surrogate				
Hexacosane	%REC	111	109	114

Y: Sample exhibits fuel pattern which does not resemble standard
L: Lighter hydrocarbons than indicated standard

TVH-Total Volatile Hydrocarbons

Client: Baseline Environmental
Project#: S9105-AO
Location: B.Collins 6050 Hollis St.

Analysis Method: CA LUFT (EPA 8015M)
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
122438-001	MW-1	23059	08/30/95	09/05/95	09/05/95	
122438-002	MW-2	23059	08/30/95	09/05/95	09/05/95	
122438-003	MW-3	23059	08/30/95	09/05/95	09/05/95	

Analyte Diln Fac:	Units	122438-001 1	122438-002 1	122438-003 1
Gasoline C4-C12	ug/L	1200 Y	<50	<50
Surrogate				
Trifluorotoluene	%REC	98	95	92
Bromobenzene	%REC	102	94	93

Y: Sample exhibits fuel pattern which does not resemble standard

BTXE

Client: Baseline Environmental
Project#: S9105-AO
Location: B.Collins 6050 Hollis St.

Analysis Method: BTXE
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
122438-001	MW-1	23059	08/30/95	09/05/95	09/05/95	
122438-002	MW-2	23059	08/30/95	09/05/95	09/05/95	
122438-003	MW-3	23059	08/30/95	09/05/95	09/05/95	

Analyte	Units	122438-001	122438-002	122438-003
Diln Fac:		1	1	1
Benzene	ug/L	<0.5	<0.5	<0.5
Toluene	ug/L	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	<0.5	<0.5	<0.5
m,p-Xylenes	ug/L	<0.5	<0.5	<0.5
o-Xylene	ug/L	<0.5	<0.5	<0.5
Surrogate				
Trifluorotoluene	%REC	116	92	90
Bromobenzene	%REC	98	96	95

Curtis & Tompkins, Ltd

Lab #: 122438 BATCH QC REPORT

TEH-Tot Ext Hydrocarbons	
Client: Baseline Environmental	Analysis Method: CA LUFT (EPA 8015M)
Project#: S9105-AO	Prep Method: 3520
Location: B.Collins 6050 Hollis St.	

METHOD BLANK	
Matrix: Water	Prep Date: 08/31/95
Batch#: 23023	Analysis Date: 09/12/95
Units: ug/L	
Diln Fac: 1	

MB Lab ID: QC03059

Analyte	Result	
Diesel Range	<50	
Kerosene Range	<50	
Surrogate	**%Rec**	**Recovery Limits**
Hexacosane	123	60-140

Curtis & Tompkins, Ltd

Lab #: 122438 BATCH QC REPORT

TEH-Tot Ext Hydrocarbons	
Client: Baseline Environmental	Analysis Method: CA LUFT (EPA 8015M)
Project#: S9105-AO	Prep Method: 3520
Location: B.Collins 6050 Hollis St.	

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water	Prep Date: 08/31/95
Batch#: 23023	Analysis Date: 09/12/95
Units: ug/L	
Diln Fac: 1	

BS Lab ID: QC03060

Analyte	Spike Added	BS	%Rec #	Limits
Diesel Range	2565	2066	81	60-140
Surrogate	%Rec	Limits		
Hexacosane	110	60-140		

BSD Lab ID: QC03061

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
Diesel Range	2565	2117	83	60-140	2	<35
Surrogate	%Rec	Limits				
Hexacosane	113	60-140				

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

Curtis & Tompkins, Ltd

Lab #: 122438 BATCH QC REPORT

TVH-Total Volatile Hydrocarbons	
Client: Baseline Environmental	Analysis Method: CA LUFT (EPA 8015M)
Project#: S9105-AO	Prep Method: EPA 5030
Location: B.Collins 6050 Hollis St.	

METHOD BLANK

Matrix: Water	Prep Date: 09/04/95
Batch#: 23059	Analysis Date: 09/04/95
Units: ug/L	
Diln Fac: 1	

MB Lab ID: QC03226

Analyte	Result	
Gasoline C4-C12	<50	
Surrogate	**%Rec**	**Recovery Limits**
Trifluorotoluene	94	65-135
Bromobenzene	85	65-135

Curtis & Tompkins, Ltd

Lab #: 122438

BATCH QC REPORT

BTXE

Client: Baseline Environmental
Project#: S9105-AO
Location: B.Collins 6050 Hollis St.

Analysis Method: BTXE
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 23059
Units: ug/L
Diln Fac: 1

Prep Date: 09/04/95
Analysis Date: 09/04/95

MB Lab ID: QC03226

Analyte	Result
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylenes	<0.5
o-Xylene	<0.5

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	93	75-125
Bromobenzene	90	75-125

Curtis & Tompkins, Ltd

Lab #: 122438 BATCH QC REPORT

TVH-Total Volatile Hydrocarbons	
Client: Baseline Environmental	Analysis Method: CA LUFT (EPA 8015M)
Project#: S9105-AO	Prep Method: EPA 5030
Location: B.Collins 6050 Hollis St.	

LABORATORY CONTROL SAMPLE	
Matrix: Water	Prep Date: 09/04/95
Batch#: 23059	Analysis Date: 09/04/95
Units: ug/L	
Diln Fac: 1	

LCS Lab ID: QC03225

Analyte	Result	Spike Added	%Rec #	Limits
Gasoline C4-C12	1827	2006	91	75-125

Surrogate	%Rec	Limits
Trifluorotoluene	103	65-135
Bromobenzene	100	65-135

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 1 outside limits

Curtis & Tompkins, Ltd

Lab #: 122438 BATCH QC REPORT

BTXE	
Client: Baseline Environmental	Analysis Method: BTXE
Project#: S9105-AO	Prep Method: EPA 5030
Location: B.Collins 6050 Hollis St.	
LABORATORY CONTROL SAMPLE	
Matrix: Water	Prep Date: 09/04/95
Batch#: 23059	Analysis Date: 09/04/95
Units: ug/L	
Diln Fac: 1	

LCS Lab ID: QC03225

Analyte	Result	Spike Added	%Rec #	Limits
Benzene	18.4	20	92	85-115
Toluene	18.4	20	92	85-115
Ethylbenzene	19.1	20	95	85-115
m,p-Xylenes	19.9	20	100	85-115
o-Xylene	18.1	20	90	85-115

Surrogate	%Rec	Limits
Trifluorotoluene	92	75-125
Bromobenzene	101	75-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 5 outside limits

Curtis & Tompkins, Ltd

Lab #: 122438 BATCH QC REPORT

TVH-Total Volatile Hydrocarbons

Client: Baseline Environmental
Project#: S9105-AO
Location: B.Collins 6050 Hollis St.

Analysis Method: CA LUFT (EPA 8015M)
Prep Method: EPA 5030

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID: ZZZZZZ
Lab ID: 122439-001
Matrix: Water
Batch#: 23059
Units: ug/L
Diln Fac: 1

Sample Date: 08/29/95
Received Date: 08/30/95
Prep Date: 09/04/95
Analysis Date: 09/04/95

MS Lab ID: QC03227

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Gasoline C4-C12	2006	<50.00	2060	103	75-125
Surrogate	**%Rec**	**Limits**			
Trifluorotoluene	100	65-135			
Bromobenzene	100	65-135			

MSD Lab ID: QC03228

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Gasoline C4-C12	2006	2079	104	75-125	1	<35
Surrogate	**%Rec**	**Limits**				
Trifluorotoluene	99	65-135				
Bromobenzene	103	65-135				

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

[redacted] 92458 [redacted]

BASELINE
5900 Hollis Street, Suite D
Emeryville, CA 94608
(510) 420-8686

CHAIN OF CUSTODY RECORD

Turn-around Time: Normal
Lab: Curtis & Tompkins
BASELINE Contact Person: Bill Scott

Project No.	Project Name and Location
S9105-A0	6050 Hollis Street

Samplers: (Signature) William K Scott

Sample ID No. Station	Date	Time	Media	Depth	No. of Containers	TEH as diesel + kerosene	as Gasoline (TPH with BTX&E)	Oil & Grease	Motor Oil	PNAs	Title 22 Metals	Total Lead							Remarks/ Composite	Detection Limits
MW-1 -1	8-30-95	15:10	Water		4	X	X													
MW-2 -2	"	14:59	"		4	X	X													
MW-3 -3	"	15:30	"		4	X	X													

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time	Conditions of Samples Upon Arrival at Laboratory:
William K Scott	8-30-95/16:00	Todd Taylor	8-30-95/16:08	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time	Remarks:
Todd Taylor	8-30-95 17:00	[signature]	8/30/95 17:00	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time	

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