October 20, 2017

Paresh Khatri
Senior Hazardous Materials Specialist, PG, CEG
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

Email: paresh.khatri@acgov.orq

Subject: 230-240 W. Mac Arthur Blvd Predevelopment Environmental Investigation Summary
Alameda County Environmental Health Case Number R00003259
230-240 W. Mac Arthur Blvd, Oakland, CA

Dear Mr. Khatri:

As per your September 6, 2017 email we have enclosed the environmental summary report. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document is true and correct to the best of my knowledge.

Sincerely,

Stuart Gruendl
Principal
Bayrock PHG Piedmont, LLC

October 20, 2017
Cardno E317100700.L01

Cardno

601 N. McDowell Boulevard
Petaluma, CA 94954
USA

Phone: +1 800 382 9105
Fax: +1 707 789 0414
Contractor: #997036

www.cardno.com

Bayrock PHG Piedmont, LLC
411 Pendleton Way, Suite C
Oakland, California 94621

SUBJECT **Predevelopment Environmental Investigation Summary**
Alameda County Environmental Health Case Number RO0003259
230-240 W. Mac Arthur Blvd, Oakland, CA

Introduction

At the request of Rock Ride Geotechnical, on behalf of Bayrock PHG Piedmont, LLC, Cardno prepared this assessment summary detailing the drilling and sampling of three soil borings at the subject site as part of a coordinated geotechnical and environmental drilling project. The work was performed in accordance with the *Geotechnical Investigation Work Plan*, dated August 16, 2016 (Cardno, 2016).

The purpose of the investigation was to evaluate geotechnical and environmental conditions that may affect site development and to provide preliminary information regarding foundation type and design for a proposed new building at the site. This assessment summary documents field work and environmental conditions encountered. The geotechnical evaluation will be discussed separately.

Environmental Assessment

In September 2017, Cardno performed assessment activities under the direction of the field engineer and in accordance with the *Geotechnical Investigation Work Plan* (Cardno, 2016). Assessment locations were chosen based on historic sampling data, historic site operations locations, and the footprint of the proposed building.

Pre-Drilling Activities

Prior to performing the field work, Underground Service Alert (USA) was notified and a private utility locator was contracted to confirm boring locations were clear of existing utilities.

Rock Ridge Geotechnical obtained the required drilling permit from the Alameda County Public Works Agency.

Soil Borings

On September 9, 2017, Cardno observed the drilling of 8-inch borings B1 through B3 to 30 feet below ground surface using a truck-mounted drill rig with hollow-stem augers. The augers were steam-cleaned before use and between borings. The borings were continuously logged during drilling. A detailed lithology of the borings is provided in the attached boring logs and cross section maps.

Soil samples were collected from the borings at 1-foot intervals and placed in a self-sealing plastic bag to allow the pore space to volatilize. The headspace in the plastic bags was screened in the field for volatile organic compounds using an organic vapor monitor with a photo-ionization detector equipped with a 10.6 eV bulb. Soil samples with the

highest readings and soil samples collected from approximately 17 feet below ground surface (the estimated bottom of the proposed development's lower level parking area) were retained for laboratory analysis.

Groundwater was observed at 6.5 feet below ground surface in boring B1. Groundwater was not observed in borings B2 or B3 during drilling. The borings were left open for two hours to accumulate sufficient groundwater for sample collection. Groundwater samples were obtained from all three borings using dedicated disposal bailers.

Backfilling and Waste Disposal Documentation

Upon completion, the borings were backfilled with neat cement grout. Soil cuttings from the borings were placed in 55-gallon drums that were temporarily stored on site pending analytical results of the drum contents. Rock Ridge Geotechnical arranged for the off-site disposal of the drums.

Laboratory Analysis and Results

The soil and groundwater samples were submitted under chain-of-custody protocol to Eurofins Calscience, Inc., of Garden Grove, California, a state-certified analytical laboratory. Soil and groundwater analytical results from the September 9, 2017 sampling event are summarized in Tables 1 through 3. Soil boring details are included in Table 4. Cumulative historic groundwater data is included in Table 5. Laboratory results and methods are detailed in the attached laboratory reports.

Petroleum hydrocarbons were not detected in soil samples collected from the three borings. Petroleum hydrocarbons and/or chlorinated solvents were detected in groundwater samples collected from the three borings. Maximum concentrations were reported in groundwater samples collected from borings B1 and B2, which were drilled in the location of the former waste oil underground storage tank at Oakland Auto Works and the maximum historic concentrations at the former Shell station, respectively.

Conclusions

The results of the investigation as compared to historic data indicate that residual petroleum concentrations have attenuated since the previous collection of soil samples in similar areas. Based on available data and as shown on the attached cross sections, Cardno believes that an excavation to approximately 17 feet below ground surface to accommodate a subgrade parking garage will remove the majority of residual petroleum concentrations.

As shown on the benzene and total petroleum hydrocarbon as gasoline figures, the dissolved-phase concentrations indicate attenuation since the previous collection of groundwater samples in similar areas (230 West MacArthur in 2011 and 240 West MacArthur in January 2016). The remaining concentrations appear limited in extent. The reported concentrations of tetrachloroethene do not appear to be spatially associated with the petroleum hydrocarbons. The tetrachloroethene concentrations have been previously attributed to the former waste oil underground storage tank but not confirmed.

Please contact Ms. Janice A. Jacobson, Cardno's project manager for this site, at janice.jacobson@cardno.com or at (707) 766-2000 with any questions.

Sincerely,

Janice A. Jacobson
Senior Project Manager
for Cardno
707 766 2000
Email: janice.jacobson@cardno.com

David R. Daniels
P.G. 8737
for Cardno
707 766 2000
Email: david.daniels@cardno.com

PROFESSIONAL GEOLOGIST
DAVID RICHARD DANIELS
No. 8737
EXP. 7/31/17
STATE OF CALIFORNIA

Reference:

- Cardno, Inc. (Cardno). August 16, 2016. *Geotechnical Investigation Work Plan, 230 & 240 MacArthur Avenue, Oakland, California.*

Enclosures:

- Boring Logs B1 through B3
- Laboratory Analytical Reports 17-09-0867 and 17-09-0868
- MacArthur Boulevard Tables
- Figures

BORING LOG B-1

(Page 1 of 2)

Project No.:	E317100700
Site:	230 & 240 MacArthur Boulevard, Oakland, California
Logged By:	Nadya Vicente
Reviewed By:	David Daniels, P.G. 8737
Signature:	

Date Drilled:	09/09/17
Drilling Co.:	Cascade
Drilling Method:	Hollow Stem Auger
Sampling Method:	Split Spoon
Borehole Diameter:	8"
Casing Diameter:	n/a
Location N-S	39° 49' 25.73"
Location E-W	-122° 15' 24.75"
Total Depth:	30'
First GW Depth:	6.5'

Sample Condition: No Recovery; Not Sampled; Described Sample; Preserved Sample

Water Levels: After Completion: 13' to 19'; During Drilling: 6.5'

Boring: B-1

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	ASTM D2488	DESCRIPTION (%clay, %silt, %sand, %gravel)
0						Asphalt
					GW	GRAVEL with Sand: dark reddish brown (2.5YR 3/4), moist, fine- to coarse-grained sand, subangular gravel up to 2" diameter, well graded, subangular to subrounded, loose (0,0,40,60)
		0.0			GW-GC	GRAVEL with Clay and Sand: dark brown (7.5YR 3/4), moist, fine- to coarse-grained sand, subangular fine gravel, moderately graded, loose, clay matrix (15,0,30,55)
5		0.0				PEA GRAVEL
						@7' Water encountered
		0.0			ML	SILT with Sand: yellowish brown (10YR 5/6), moist to wet, fine-grained sand, poorly graded, subrounded, medium density, low plasticity (0,80,20,0)
10					SM	Silty SAND: fine-grained, mottled yellow brown and pale brown, moist, soft, silty matrix, poorly graded, subrounded, medium density (0,40,60,0)
		0.0			SP	SAND: dark yellow brown (10YR 4/4), damp, soft, poorly graded, subrounded, loose (0,5,95,0)
					CL	Sandy CLAY: dark yellow brown (10YR 4/4), damp, fine-grained sand, soft, poorly graded, subrounded, medium density, low plasticity (65,0,35,0)
15					SC	Clayey SAND: fine- to medium-grained, dark yellow brown (10YR 4/4), wet to saturated, poorly graded, subrounded, medium density (35,0,65,0)
		0.0			SM	Silty SAND: fine-grained, dark yellow brown (10YR 4/4), moist to wet, poorly graded, subrounded, medium density (10,30,60,0)
20						

Grout

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BORING LOG B-1

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Project No.:	: E317100700
Site:	: 230 & 240 MacArthur Boulevard, Oakland, California
Logged By:	: Nadya Vicente
Reviewed By:	: David Daniels, P.G. 8737
Signature:	:

Date Drilled:	: 09/09/17
Drilling Co.:	: Cascade
Drilling Method:	: Hollow Stem Auger
Sampling Method:	: Split Spoon
Borehole Diameter:	: 8"
Casing Diameter:	: n/a
Location N-S	: 39° 49' 25.73"
Location E-W	: -122° 15' 24.75"
Total Depth:	: 30'
First GW Depth:	: 6.5'

Sample Condition
- No Recovery
- Not Sampled
- Described Sample
- Preserved Sample

Water Levels
- After Completion: 13' to 19'
- During Drilling: 6.5'

Boring: B-1

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	ASTM D2488	DESCRIPTION (%clay, %silt, %sand, %gravel)
20		0.0			ML	Sandy SILT: yellow brown (10YR 5/4), moist, fine-grained sand, poorly graded, subrounded, dense, low plasticity (0,70,30,0)
					ML	SILT: brown (10YR 5/3), damp, stiff, very dense, low plasticity (10,90,0,0)
25					SC	Clayey SAND: fine- to medium-grained, yellow brown (10YR 5/4), moist, clay matrix, poorly graded, subrounded, medium density (40,0,60,0)
					SM	Silty SAND: fine-grained, yellowish brown (10YR 5/4), moist, poorly graded, subrounded, medium density (0,40,60,0)
					CL	CLAY: brown (10YR 5/6), minor fine-grained sand, stiff, very dense, medium plasticity (95,5,5,0)
30						Bottom of Borehole @ 30'
35						
40						

Grout

BORING LOG B-2

(Page 1 of 2)

Project No.:	: E317100700
Site:	: 230 & 240 Mac Arthur Boulevard, Oakland, California
Logged By:	: Nadya Vicente
Reviewed By:	: David Daniels, P.G. 8737
Signature:	:

Date Drilled:	: 09/09/17
Drilling Co.:	: Cascade
Drilling Method:	: Hollow Stem Auger
Sampling Method:	: Split Spoon
Borehole Diameter:	: 8"
Casing Diameter:	: n/a
Location N-S	: 37° 49' 25.05"
Location E-W	: -122° 15' 24.56"
Total Depth:	: 30'
First GW Depth:	: n/a

Sample Condition: No Recovery; Not Sampled; Described Sample; Preserved Sample

Water Levels: After Completion: 28'; During Drilling: n/a

Boring: B-2

Depth (ft)	Blow Count	OVM/PID (ppmv)	ASTM D2488	DESCRIPTION (%clay, %silt, %sand, %gravel)
0				Asphalt
			CL	CLAY with Sand and Gravel: dark red brown (5YR 3/2), moist, fine- to coarse-grained sand, fine gravel, moderately sorted, subangular to subrounded, loose (60,0,25,15)
			CL	CLAY: dark yellow brown (10YR 4/6), damp, stiff, minor fine-grained sand, very dense, low to medium plasticity (95,0,5,0)
		0.0	CL	Sandy CLAY: mottled dark yellow brown and pale gray, damp, fine-grained sand, stiff, poorly graded, subrounded, very dense, low plasticity (60,10,30,0)
5		0.0	GW	GRAVEL with Sand: light gray, yellow brown, damp, gravel up to 1.5" diameter, fine- to medium-grained sand, well graded, subangular, loose (10,0,20,70)
			ML	Sandy SILT: pale gray and yellow brown, damp, fine- to medium-grained sand, poorly graded, subrounded, dense (0,70,30,0)
			SM	Silty SAND: fine-grained, dark yellow brown (10YR 4/4), damp, poorly graded, subrounded, medium density (0,45,55,0)
			SM	Silty SAND: fine-grained, pale brown (10YR 6/3), damp, silty matrix, poorly graded, subrounded, medium density (0,40,60,0)
10		0.3	CL	Sandy CLAY: grayish green (10Y to 5GY 5/2), moist, fine- to medium-grained sand, soft, poorly graded, subrounded, medium density to dense, low plasticity (60,0,40,0)
		0.8		
		0.0	SM	Silty SAND: fine-grained, grayish brown (10YR 5/2), soft, poorly graded, subrounded, loose (0,45,55,0)
15		0.2		@15' Grayish green
		1.2	CL	CLAY: mottled brown and green, damp, subrounded, very dense, medium plasticity (95,0,5,0)
		0.8		
20				

Grout

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BORING LOG B-2

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Project No.:	: E317100700
Site:	: 230 & 240 Mac Arthur Boulevard, Oakland, California
Logged By:	: Nadya Vicente
Reviewed By:	: David Daniels, P.G. 8737
Signature:	:

Date Drilled:	: 09/09/17
Drilling Co.:	: Cascade
Drilling Method:	: Hollow Stem Auger
Sampling Method:	: Split Spoon
Borehole Diameter:	: 8"
Casing Diameter:	: n/a
Location N-S	: 37° 49' 25.05"
Location E-W	: -122° 15' 24.56"
Total Depth:	: 30'
First GW Depth:	: n/a

Sample Condition
- No Recovery
- Not Sampled
- Described Sample
- Preserved Sample

Water Levels
- After Completion: 28'
- During Drilling: n/a

Boring: B-2

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	ASTM D2488	DESCRIPTION (%clay, %silt, %sand, %gravel)
20		0.0				CLAY: brown (10YR 4/3), dry, minor fine-grained sand, stiff, very dense, medium plasticity (95,0,5,0)
25		0.0			CL	
30		0.0				Bottom of Borehole @ 30' No groundwater encountered during drilling; hole left open for 2 hours to accumulate groundwater for sample collection.
35						
40						

Grout

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BORING LOG B-3

(Page 1 of 2)

Project No.:	: E317100700
Site:	: 230 & 240 MacArthur Boulevard, Oakland, California
Logged By:	: Nadya Vicente
Reviewed By:	: David Daniels, P.G. 8737
Signature:	:

Date Drilled:	: 09/09/17
Drilling Co.:	: Cascade
Drilling Method:	: Hollow Stem Auger
Sampling Method:	: Split Spoon
Borehole Diameter:	: 8"
Casing Diameter:	: n/a
Location N-S	: 37° 49" 24.56"
Location E-W	: -122° 15' 23.80"
Total Depth:	: 30'
First GW Depth:	: n/a

Sample Condition: No Recovery; Not Sampled; Described Sample; Preserved Sample

Water Levels: After Completion: 28'; During Drilling: n/a

Boring: B-3

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	ASTM D2488	DESCRIPTION (%clay, %silt, %sand, %gravel)
0						Concrete
					CL	CLAY with Sand and Gravel: dark red brown (5YR 3/2), moist, fine- to coarse-grained sand, fine gravel, moderately graded, subangular, loose (60,0,25,15)
						@2' Dark yellow brown, damp, gravel up to 1.5" diameter
					CL	Sandy CLAY: mottled yellow brown and pale gray, fine- to medium-grained sand, poorly graded, subrounded, loose, low plasticity (60,0,40,0)
5					CL	CLAY with Sand: dark brown (7.5YR 3/3), damp, fine-grained sand, poorly graded, subrounded, medium density, low plasticity (80,10,20,0)
		0.0			SM	Silty SAND with Gravel: fine-grained, mottled yellow brown and pale gray, dry, fine gravel, moderately graded, subrounded, loose (0,40,45,15)
		0.0			SM	Silty SAND: fine- to medium-grained, grayish brown (2.5Y 5/2), moist, silty matrix, poorly graded, rounded, medium density (0,30,70,0)
10		0.0			ML	Sandy SILT: yellow brown (10YR 5/6), damp, fine-grained sand, soft, poorly graded, subrounded, medium density (0,60,40,0)
						@10' Grayish brown (2.5YR 5/2)
		0.0			SW	1" layer coarse-grained sand and gravel
					ML	SILT with Sand: olive gray (5Y 5/5), moist, fine-grained sand, poorly graded, subrounded, medium density, low plasticity (0,80,20,0)
15		0.0			SW	SAND with Gravel: fine- to coarse-grained, dark yellow brown (10YR 4/6), moist, fine gravel, moderately graded, subrounded, loose (0,0,75,25)
					CL	CLAY: brown (10YR 4/3), damp, stiff, very dense, low to medium plasticity (95,0,5,0)
					SM	Silty SAND: yellowish brown (10YR 5/6), damp to moist, fine-grained, poorly graded, rounded, medium density (0,45,55,0)
20						

Grout

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BORING LOG B-3

Project No.:	: E317100700
Site:	: 230 & 240 MacArthur Boulevard, Oakland, California
Logged By:	: Nadya Vicente
Reviewed By:	: David Daniels, P.G. 8737
Signature:	:

Date Drilled:	: 09/09/17
Drilling Co.:	: Cascade
Drilling Method:	: Hollow Stem Auger
Sampling Method:	: Split Spoon
Borehole Diameter:	: 8"
Casing Diameter:	: n/a
Location N-S	: 37° 49" 24.56"
Location E-W	: -122° 15' 23.80"
Total Depth:	: 30'
First GW Depth:	: n/a

Sample Condition
- No Recovery
- Not Sampled
- Described Sample
- Preserved Sample

Water Levels
- After Completion: 28'
- During Drilling: n/a

Boring: B-3

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	ASTM D2488	DESCRIPTION (%clay, %silt, %sand, %gravel)
20		0.0			SM	(as above) Silty SAND: yellowish brown (10YR 5/6), damp to moist, fine-grained, poorly graded, rounded, medium density (0,45,55,0)
25		0.0			ML	SILT with Sand: brown (10YR 4/3), damp, fine-grained sand, poorly graded, subrounded, dense, medium plasticity (0,80,20,0)
30		0.0				Bottom of Borehole @ 30' No groundwater encountered during drilling; hole left open to accumulate groundwater for sample collection.
35						
40						

Grout

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WORK ORDER NUMBER: 17-09-0867

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: E317100700

Attention: Glen Smith
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Nicole Scott

Approved for release on 09/21/2017 by:
Nicole Scott
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Contents

Client Project Name: E317100700
Work Order Number: 17-09-0867

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Work Order Narrative

Work Order: 17-09-0867 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/13/17. They were assigned to Work Order 17-09-0867.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0867
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-8-B1	**17-09-0867-1-A**	**09/09/17 09:00**	**Solid**	**GC 47**	**09/15/17**	**09/18/17 15:28**	**170915B06B**

Comment(s): - Motor Oil Range Organics (C17-C44) uses a Diesel Range Organics (C10-C28) standard for quantitation and quality control.

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	4.9	1.00	
TPH as Motor Oil	ND	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17-B1	**17-09-0867-2-A**	**09/09/17 09:50**	**Solid**	**GC 47**	**09/15/17**	**09/18/17 15:49**	**170915B06B**

Comment(s): - Motor Oil Range Organics (C17-C44) uses a Diesel Range Organics (C10-C28) standard for quantitation and quality control.

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1.00	
TPH as Motor Oil	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-11-B2	**17-09-0867-3-A**	**09/09/17 13:40**	**Solid**	**GC 47**	**09/15/17**	**09/18/17 16:11**	**170915B06B**

Comment(s): - Motor Oil Range Organics (C17-C44) uses a Diesel Range Organics (C10-C28) standard for quantitation and quality control.

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1.00	
TPH as Motor Oil	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	90	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.5-B2	**17-09-0867-4-A**	**09/09/17 14:00**	**Solid**	**GC 47**	**09/15/17**	**09/18/17 16:33**	**170915B06B**

Comment(s): - Motor Oil Range Organics (C17-C44) uses a Diesel Range Organics (C10-C28) standard for quantitation and quality control.

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1.00	
TPH as Motor Oil	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0867
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17-B2	**17-09-0867-5-A**	**09/09/17 14:10**	**Solid**	**GC 47**	**09/15/17**	**09/18/17 16:54**	**170915B06B**

Comment(s): - Motor Oil Range Organics (C17-C44) uses a Diesel Range Organics (C10-C28) standard for quantitation and quality control.

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.1	1.00	
TPH as Motor Oil	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	89	61-145	

S-17-B3	**17-09-0867-6-A**	**09/09/17 16:00**	**Solid**	**GC 47**	**09/15/17**	**09/18/17 17:17**	**170915B06B**

Comment(s): - Motor Oil Range Organics (C17-C44) uses a Diesel Range Organics (C10-C28) standard for quantitation and quality control.

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1.00	
TPH as Motor Oil	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	81	61-145	

Method Blank	**099-14-353-35**	**N/A**	**Solid**	**GC 47**	**09/15/17**	**09/18/17 11:27**	**170915B06B**

Comment(s): - Motor Oil Range Organics (C17-C44) uses a Diesel Range Organics (C10-C28) standard for quantitation and quality control.

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1.00	
TPH as Motor Oil	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0867
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-8-B1	**17-09-0867-1-A**	**09/09/17 09:00**	**Solid**	**GC 57**	**09/13/17**	**09/14/17 17:01**	**170914L020**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	54	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17-B1	**17-09-0867-2-A**	**09/09/17 09:50**	**Solid**	**GC 57**	**09/15/17**	**09/15/17 12:12**	**170915L019**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	53	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-11-B2	**17-09-0867-3-A**	**09/09/17 13:40**	**Solid**	**GC 57**	**09/13/17**	**09/14/17 18:05**	**170914L020**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	59	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.5-B2	**17-09-0867-4-A**	**09/09/17 14:00**	**Solid**	**GC 57**	**09/13/17**	**09/14/17 12:38**	**170914L020**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	52	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17-B2	**17-09-0867-5-A**	**09/09/17 14:10**	**Solid**	**GC 57**	**09/13/17**	**09/14/17 18:37**	**170914L020**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.48	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	59	42-126	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0867
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17-B3	**17-09-0867-6-A**	**09/09/17 16:00**	**Solid**	**GC 57**	**09/13/17**	**09/14/17 19:09**	**170914L020**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	59	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-571-3843**	**N/A**	**Solid**	**GC 57**	**09/14/17**	**09/14/17 11:34**	**170914L020**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	60	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-571-3848**	**N/A**	**Solid**	**GC 57**	**09/15/17**	**09/15/17 11:09**	**170915L019**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	60	42-126	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0867
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-8-B1	**17-09-0867-1-A**	**09/09/17 09:00**	**Solid**	**GC/MS OO**	**09/13/17**	**09/14/17 01:03**	**170913L032**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI	Date Received:	09/13/17
601 North McDowell Blvd.	Work Order:	17-09-0867
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: E317100700		Page 2 of 21

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	
Tert-Butyl Alcohol (TBA)	ND	51	1.00	
Diisopropyl Ether (DIPE)	ND	10	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1.00	
Ethanol	ND	250	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: E317100700			Page 3 of 21

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	94	79-133	
1,2-Dichloroethane-d4	97	71-155	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0867
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17-B1	**17-09-0867-2-A**	**09/09/17 09:50**	**Solid**	**GC/MS OO**	**09/13/17**	**09/14/17 01:32**	**170913L032**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	4.9	1.00	
Bromobenzene	ND	4.9	1.00	
Bromochloromethane	ND	4.9	1.00	
Bromodichloromethane	ND	4.9	1.00	
Bromoform	ND	4.9	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	49	1.00	
n-Butylbenzene	ND	4.9	1.00	
sec-Butylbenzene	ND	4.9	1.00	
tert-Butylbenzene	ND	4.9	1.00	
Carbon Disulfide	ND	49	1.00	
Carbon Tetrachloride	ND	4.9	1.00	
Chlorobenzene	ND	4.9	1.00	
Chloroethane	ND	4.9	1.00	
Chloroform	ND	4.9	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	4.9	1.00	
4-Chlorotoluene	ND	4.9	1.00	
Dibromochloromethane	ND	4.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.00	
1,2-Dibromoethane	ND	4.9	1.00	
Dibromomethane	ND	4.9	1.00	
1,2-Dichlorobenzene	ND	4.9	1.00	
1,3-Dichlorobenzene	ND	4.9	1.00	
1,4-Dichlorobenzene	ND	4.9	1.00	
Dichlorodifluoromethane	ND	4.9	1.00	
1,1-Dichloroethane	ND	4.9	1.00	
1,2-Dichloroethane	ND	4.9	1.00	
1,1-Dichloroethene	ND	4.9	1.00	
c-1,2-Dichloroethene	ND	4.9	1.00	
t-1,2-Dichloroethene	ND	4.9	1.00	
1,2-Dichloropropane	ND	4.9	1.00	
1,3-Dichloropropane	ND	4.9	1.00	
2,2-Dichloropropane	ND	4.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: E317100700			Page 5 of 21

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	4.9	1.00	
c-1,3-Dichloropropene	ND	4.9	1.00	
t-1,3-Dichloropropene	ND	4.9	1.00	
Ethylbenzene	ND	4.9	1.00	
2-Hexanone	ND	49	1.00	
Isopropylbenzene	ND	4.9	1.00	
p-Isopropyltoluene	ND	4.9	1.00	
Methylene Chloride	ND	49	1.00	
4-Methyl-2-Pentanone	ND	49	1.00	
Naphthalene	ND	49	1.00	
n-Propylbenzene	ND	4.9	1.00	
Styrene	ND	4.9	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	1.00	
Tetrachloroethene	ND	4.9	1.00	
Toluene	ND	4.9	1.00	
1,2,3-Trichlorobenzene	ND	9.9	1.00	
1,2,4-Trichlorobenzene	ND	4.9	1.00	
1,1,1-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	1.00	
Trichloroethene	ND	4.9	1.00	
1,2,3-Trichloropropane	ND	4.9	1.00	
1,2,4-Trimethylbenzene	ND	4.9	1.00	
Trichlorofluoromethane	ND	49	1.00	
1,3,5-Trimethylbenzene	ND	4.9	1.00	
Vinyl Acetate	ND	49	1.00	
Vinyl Chloride	ND	4.9	1.00	
p/m-Xylene	ND	4.9	1.00	
o-Xylene	ND	4.9	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	1.00	
Tert-Butyl Alcohol (TBA)	ND	49	1.00	
Diisopropyl Ether (DIPE)	ND	9.9	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.9	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.9	1.00	
Ethanol	ND	250	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: E317100700			Page 6 of 21

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	96	79-133	
1,2-Dichloroethane-d4	99	71-155	
Toluene-d8	101	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0867
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-11-B2	**17-09-0867-3-A**	**09/09/17 13:40**	**Solid**	**GC/MS OO**	**09/13/17**	**09/14/17 02:01**	**170913L032**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI	Date Received:	09/13/17
601 North McDowell Blvd.	Work Order:	17-09-0867
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: E317100700		Page 8 of 21

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	9.9	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	1.00	
Diisopropyl Ether (DIPE)	ND	9.9	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.9	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.9	1.00	
Ethanol	ND	250	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: E317100700			Page 9 of 21

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	96	79-133	
1,2-Dichloroethane-d4	99	71-155	
Toluene-d8	101	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0867
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-16.5-B2	**17-09-0867-4-A**	**09/09/17 14:00**	**Solid**	**GC/MS OO**	**09/13/17**	**09/14/17 02:29**	**170913L032**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI	Date Received:	09/13/17
601 North McDowell Blvd.	Work Order:	17-09-0867
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: E317100700		Page 11 of 21

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	1.00	
Diisopropyl Ether (DIPE)	ND	10	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1.00	
Ethanol	ND	250	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: E317100700			Page 12 of 21

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	96	79-133	
1,2-Dichloroethane-d4	99	71-155	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0867
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17-B2	**17-09-0867-5-A**	**09/09/17 14:10**	**Solid**	**GC/MS OO**	**09/13/17**	**09/14/17 02:58**	**170913L032**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	4.9	1.00	
Bromobenzene	ND	4.9	1.00	
Bromochloromethane	ND	4.9	1.00	
Bromodichloromethane	ND	4.9	1.00	
Bromoform	ND	4.9	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	49	1.00	
n-Butylbenzene	ND	4.9	1.00	
sec-Butylbenzene	ND	4.9	1.00	
tert-Butylbenzene	ND	4.9	1.00	
Carbon Disulfide	ND	49	1.00	
Carbon Tetrachloride	ND	4.9	1.00	
Chlorobenzene	ND	4.9	1.00	
Chloroethane	ND	4.9	1.00	
Chloroform	ND	4.9	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	4.9	1.00	
4-Chlorotoluene	ND	4.9	1.00	
Dibromochloromethane	ND	4.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.8	1.00	
1,2-Dibromoethane	ND	4.9	1.00	
Dibromomethane	ND	4.9	1.00	
1,2-Dichlorobenzene	ND	4.9	1.00	
1,3-Dichlorobenzene	ND	4.9	1.00	
1,4-Dichlorobenzene	ND	4.9	1.00	
Dichlorodifluoromethane	ND	4.9	1.00	
1,1-Dichloroethane	ND	4.9	1.00	
1,2-Dichloroethane	ND	4.9	1.00	
1,1-Dichloroethene	ND	4.9	1.00	
c-1,2-Dichloroethene	ND	4.9	1.00	
t-1,2-Dichloroethene	ND	4.9	1.00	
1,2-Dichloropropane	ND	4.9	1.00	
1,3-Dichloropropane	ND	4.9	1.00	
2,2-Dichloropropane	ND	4.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: E317100700			Page 14 of 21

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	4.9	1.00	
c-1,3-Dichloropropene	ND	4.9	1.00	
t-1,3-Dichloropropene	ND	4.9	1.00	
Ethylbenzene	ND	4.9	1.00	
2-Hexanone	ND	49	1.00	
Isopropylbenzene	ND	4.9	1.00	
p-Isopropyltoluene	ND	4.9	1.00	
Methylene Chloride	ND	49	1.00	
4-Methyl-2-Pentanone	ND	49	1.00	
Naphthalene	ND	49	1.00	
n-Propylbenzene	ND	4.9	1.00	
Styrene	ND	4.9	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	1.00	
Tetrachloroethene	ND	4.9	1.00	
Toluene	ND	4.9	1.00	
1,2,3-Trichlorobenzene	ND	9.8	1.00	
1,2,4-Trichlorobenzene	ND	4.9	1.00	
1,1,1-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	1.00	
Trichloroethene	ND	4.9	1.00	
1,2,3-Trichloropropane	ND	4.9	1.00	
1,2,4-Trimethylbenzene	ND	4.9	1.00	
Trichlorofluoromethane	ND	49	1.00	
1,3,5-Trimethylbenzene	ND	4.9	1.00	
Vinyl Acetate	ND	49	1.00	
Vinyl Chloride	ND	4.9	1.00	
p/m-Xylene	ND	4.9	1.00	
o-Xylene	ND	4.9	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	1.00	
Tert-Butyl Alcohol (TBA)	ND	49	1.00	
Diisopropyl Ether (DIPE)	ND	9.8	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	9.8	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	9.8	1.00	
Ethanol	ND	250	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: E317100700			Page 15 of 21

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	95	79-133	
1,2-Dichloroethane-d4	100	71-155	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0867
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17-B3	**17-09-0867-6-A**	**09/09/17 16:00**	**Solid**	**GC/MS OO**	**09/13/17**	**09/14/17 03:27**	**170913L032**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: E317100700			Page 17 of 21

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	1.00	
Diisopropyl Ether (DIPE)	ND	10	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1.00	
Ethanol	ND	250	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: E317100700			Page 18 of 21

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	101	71-155	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 09/13/17
Work Order: 17-09-0867
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: E317100700

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-13176**	**N/A**	**Solid**	**GC/MS OO**	**09/13/17**	**09/13/17 17:22**	**170913L032**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI	Date Received:	09/13/17
601 North McDowell Blvd.	Work Order:	17-09-0867
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: E317100700		Page 20 of 21

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	1.00	
Diisopropyl Ether (DIPE)	ND	10	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1.00	
Ethanol	ND	250	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: E317100700			Page 21 of 21

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	106	71-155	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: E317100700			Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
17-09-1120-1	**Sample**	**Solid**	**GC 47**	**09/15/17**	**09/18/17 12:54**	**170915S06**
17-09-1120-1	**Matrix Spike**	**Solid**	**GC 47**	**09/15/17**	**09/18/17 12:10**	**170915S06**
17-09-1120-1	**Matrix Spike Duplicate**	**Solid**	**GC 47**	**09/15/17**	**09/18/17 12:33**	**170915S06**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	362.4	91	359.0	90	64-130	1	0-15	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: E317100700			Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-16.5-B2	**Sample**	**Solid**	**GC 57**	**09/13/17**	**09/14/17 12:38**	**170914S008**
S-16.5-B2	**Matrix Spike**	**Solid**	**GC 57**	**09/13/17**	**09/14/17 13:09**	**170914S008**
S-16.5-B2	**Matrix Spike Duplicate**	**Solid**	**GC 57**	**09/13/17**	**09/14/17 13:41**	**170914S008**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	10.00	9.791	98	9.682	97	48-114	1	0-23	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: E317100700			Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
17-09-0298-5	**Sample**	**Solid**	**GC 57**	**09/15/17**	**09/15/17 12:44**	**170915S011**
17-09-0298-5	**Matrix Spike**	**Solid**	**GC 57**	**09/15/17**	**09/15/17 13:16**	**170915S011**
17-09-0298-5	**Matrix Spike Duplicate**	**Solid**	**GC 57**	**09/15/17**	**09/15/17 13:48**	**170915S011**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	10.00	9.231	92	9.862	99	48-114	7	0-23	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: E317100700			Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
17-09-0937-3	**Sample**	**Solid**	**GC/MS OO**	**09/13/17**	**09/13/17 20:43**	**170913S018**
17-09-0937-3	**Matrix Spike**	**Solid**	**GC/MS OO**	**09/13/17**	**09/13/17 18:48**	**170913S018**
17-09-0937-3	**Matrix Spike Duplicate**	**Solid**	**GC/MS OO**	**09/13/17**	**09/13/17 19:17**	**170913S018**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	45.40	91	40.85	82	61-127	11	0-20	
Carbon Tetrachloride	ND	50.00	45.49	91	41.31	83	51-135	10	0-29	
Chlorobenzene	ND	50.00	43.25	86	37.27	75	57-123	15	0-20	
1,2-Dibromoethane	ND	50.00	46.35	93	39.64	79	64-124	16	0-20	
1,2-Dichlorobenzene	ND	50.00	41.09	82	32.55	65	35-131	23	0-25	
1,2-Dichloroethane	ND	50.00	44.78	90	39.16	78	80-120	13	0-20	3
1,1-Dichloroethene	ND	50.00	44.93	90	41.47	83	47-143	8	0-25	
Ethylbenzene	ND	50.00	44.52	89	38.12	76	57-129	15	0-22	
Toluene	ND	50.00	46.93	94	41.00	82	63-123	13	0-20	
Trichloroethene	ND	50.00	49.18	98	42.98	86	44-158	13	0-20	
Vinyl Chloride	ND	50.00	50.76	102	50.35	101	49-139	1	0-47	
p/m-Xylene	ND	100.0	90.64	91	76.87	77	70-130	16	0-30	
o-Xylene	ND	50.00	46.01	92	39.20	78	70-130	16	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	45.62	91	41.18	82	57-123	10	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	226.1	90	178.0	71	30-168	24	0-34	
Diisopropyl Ether (DIPE)	ND	50.00	47.10	94	42.45	85	57-129	10	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	47.31	95	42.95	86	55-127	10	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	46.55	93	41.31	83	58-124	12	0-20	
Ethanol	ND	500.0	445.4	89	348.0	70	17-167	25	0-47	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: E317100700			Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-353-35	**LCS**	**Solid**	**GC 47**	**09/15/17**	**09/18/17 11:49**	**170915B06B**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	378.0	94	61-145	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: E317100700			Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-571-3843	**LCS**	**Solid**	**GC 57**	**09/14/17**	**09/14/17 11:02**	**170914L020**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	10.00	10.04	100	70-124	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: E317100700			Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-571-3848	**LCS**	**Solid**	**GC 57**	**09/15/17**	**09/15/17 10:37**	**170915L019**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	10.00	10.59	106	70-124	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0867
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: E317100700			Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-13176	**LCS**	**Solid**	**GC/MS OO**	**09/13/17**	**09/13/17 16:18**	**170913L032**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	51.69	103	80-120	73-127	
Carbon Tetrachloride	50.00	52.21	104	65-137	53-149	
Chlorobenzene	50.00	49.15	98	80-120	73-127	
1,2-Dibromoethane	50.00	49.78	100	80-120	73-127	
1,2-Dichlorobenzene	50.00	48.02	96	80-120	73-127	
1,2-Dichloroethane	50.00	49.15	98	80-120	73-127	
1,1-Dichloroethene	50.00	49.83	100	68-128	58-138	
Ethylbenzene	50.00	51.00	102	80-120	73-127	
Toluene	50.00	53.00	106	80-120	73-127	
Trichloroethene	50.00	51.81	104	80-120	73-127	
Vinyl Chloride	50.00	53.68	107	67-127	57-137	
p/m-Xylene	100.0	103.7	104	75-125	67-133	
o-Xylene	50.00	52.72	105	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	49.60	99	70-124	61-133	
Tert-Butyl Alcohol (TBA)	250.0	227.4	91	73-121	65-129	
Diisopropyl Ether (DIPE)	50.00	51.76	104	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	52.44	105	70-124	61-133	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.39	103	74-122	66-130	
Ethanol	500.0	417.8	84	51-135	37-149	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 17-09-0867 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8015B (M)	EPA 3550B	682	GC 47	1
EPA 8015B (M)	EPA 5030C	933	GC 57	2
EPA 8260B	EPA 5030C	849	GC/MS OO	2

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Glossary of Terms and Qualifiers

Work Order: 17-09-0867 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: **17-09-0867**

DATE: 9-9-17

PAGE: 1 OF 1

LABORATORY CLIENT: **Cardno**

ADDRESS: 2300 Clayton Road, Suite 200

CITY: Concord STATE: CA ZIP: 94520

TEL: (510) 362- 2170 E-MAIL: glen.smith@cardno.com

CLIENT PROJECT NAME / NUMBER: **E317100700**

P.O. NO.:

PROJECT CONTACT: **Glen Smith**

SAMPLER(S): (PRINT) Nadya Vicente

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: **T10000010741** LOG CODE:

SPECIAL INSTRUCTIONS:

****Full Scan VOC: including but not limited to BTEX, fuel oxygenates, lead scavengers, naphthalene, TCE, and PCE, chlorinated VOC**

Please email PDF files to: norcallabs@eri-us.com

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Full Scan VOCs (8260)**	TPHg, TPHd, TPHmo (8015)
1	S-8-B1	B-1	9-9-17	0900	Soil	1				X	X
2	S-17-B1	B-1	9-9-17	0950	Soil	1				X	X
3	S-11-B2	B-2	9-9-17	1340	Soil	1				X	X
4	S-16.5-B2	B-2	9-9-17	1400	Soil	1				X	X
5	S-17-B2	B-2	9-9-17	1410	Soil	1				X	X
6	S-17-B3	B-3	9-9-17	1600	Soil	1				X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) ECI	Date: 9/12/17	Time: 1040
Relinquished by: (Signature) to GSO 9/12/17 1730	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 9/13/17	Time: 1000

06/02/14 Revision

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GSO

800-322-5555
www.gso.com

0867

Ship From
CAL SCIENCE- CONCORD
ALAN KEMP
5063 COMMERCIAL CIRCLE
#H
CONCORD, CA 94520

Ship To
CEL
SAMPLE RECEIVING
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD: $0.00
Weight: 0 lb(s)
Reference:
CARDNO
Delivery Instructions:

Signature Type: REQUIRED

Tracking #: 537577341

NPS

ORC **A**

GARDEN GROVE

D92845A

72117114

Print Date: 9/12/2017 3:45 PM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

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WORK ORDER NUMBER: 17-09-0867

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Cardno

DATE: 09 / 13 / 2017

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: +0.2°C); Temperature (w/o CF): 2.2 °C (w/ CF): 2.4 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: IS

CUSTODY SEAL:

Cooler ☑ Present and Intact ☐ Present but Not Intact ☐ Not Present ☐ N/A Checked by: IS

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 862

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☑ Sleeve (S) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 862

Reviewed by: ZD

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WORK ORDER NUMBER: 17-09-0868

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: E317100700

Attention: Glen Smith
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Nicole Scott

Approved for release on 09/21/2017 by:
Nicole Scott
Project Manager

ResultLink

Email your PM

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Contents

Client Project Name: E317100700
Work Order Number: 17-09-0868

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Work Order Narrative

Work Order: 17-09-0868 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/13/17. They were assigned to Work Order 17-09-0868.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: E317100700			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1	**17-09-0868-1-A**	**09/09/17 10:50**	**Aqueous**	**GC 45**	**09/15/17**	**09/18/17 19:06**	**170915B01B**

Comment(s): - Motor Oil Range Organics (C17-C44) uses a Diesel Range Organics (C10-C28) standard for quantitation and quality control.

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	320	120	1.00	HD
TPH as Motor Oil	170	120	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2	**17-09-0868-2-A**	**09/09/17 16:45**	**Aqueous**	**GC 45**	**09/15/17**	**09/18/17 19:28**	**170915B01B**

Comment(s): - Motor Oil Range Organics (C17-C44) uses a Diesel Range Organics (C10-C28) standard for quantitation and quality control.

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	52	1.00	
TPH as Motor Oil	ND	52	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	111	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3	**17-09-0868-3-A**	**09/09/17 17:30**	**Aqueous**	**GC 45**	**09/15/17**	**09/18/17 19:50**	**170915B01B**

Comment(s): - Motor Oil Range Organics (C17-C44) uses a Diesel Range Organics (C10-C28) standard for quantitation and quality control.

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	52	1.00	
TPH as Motor Oil	ND	52	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	101	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-355-25**	**N/A**	**Aqueous**	**GC 45**	**09/15/17**	**09/18/17 13:37**	**170915B01B**

Comment(s): - Motor Oil Range Organics (C17-C44) uses a Diesel Range Organics (C10-C28) standard for quantitation and quality control.

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	100	1.00	
TPH as Motor Oil	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0868
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1	**17-09-0868-1-H**	**09/09/17 10:50**	**Aqueous**	**GC 42**	**09/15/17**	**09/15/17 18:05**	**170915L035**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	71	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2	**17-09-0868-2-H**	**09/09/17 16:45**	**Aqueous**	**GC 42**	**09/15/17**	**09/15/17 22:09**	**170915L035**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	92	50	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	71	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3	**17-09-0868-3-H**	**09/09/17 17:30**	**Aqueous**	**GC 42**	**09/15/17**	**09/15/17 18:40**	**170915L035**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	60	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-11617**	**N/A**	**Aqueous**	**GC 42**	**09/15/17**	**09/15/17 15:11**	**170915L035**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	58	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0868
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1	**17-09-0868-1-B**	**09/09/17 10:50**	**Aqueous**	**GC/MS Q**	**09/15/17**	**09/15/17 22:55**	**170915L054**

Parameter	Result	RL	DF	Qualifiers
Acetone	22	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	2.2	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0868
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	10	1.0	1.00	
Toluene	1.3	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	77-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: E317100700			Page 3 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	103	80-128	
1,2-Dichloroethane-d4	104	80-129	
Toluene-d8	98	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0868
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2	**17-09-0868-2-C**	**09/09/17 16:45**	**Aqueous**	**GC/MS CC**	**09/14/17**	**09/14/17 23:20**	**170914L025**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	7.4	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI	Date Received:	09/13/17
601 North McDowell Blvd.	Work Order:	17-09-0868
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: E317100700		Page 5 of 15

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	11	1.0	1.00	
Toluene	2.1	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	2.0	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	77-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: E317100700			Page 6 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	102	80-128	
1,2-Dichloroethane-d4	101	80-129	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0868
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3	**17-09-0868-3-B**	**09/09/17 17:30**	**Aqueous**	**GC/MS Q**	**09/15/17**	**09/15/17 23:22**	**170915L054**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	3.3	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0868
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	1.3	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	77-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: E317100700			Page 9 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	103	80-128	
1,2-Dichloroethane-d4	105	80-129	
Toluene-d8	98	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 09/13/17
Work Order: 17-09-0868
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: E317100700

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-24102**	**N/A**	**Aqueous**	**GC/MS CC**	**09/14/17**	**09/14/17 16:11**	**170914L025**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: E317100700

Date Received: 09/13/17
Work Order: 17-09-0868
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	77-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: E317100700			Page 12 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	98	80-128	
1,2-Dichloroethane-d4	97	80-129	
Toluene-d8	97	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 09/13/17
Work Order: 17-09-0868
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: E317100700

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-24121**	**N/A**	**Aqueous**	**GC/MS Q**	**09/15/17**	**09/15/17 20:11**	**170915L054**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI	Date Received:	09/13/17
601 North McDowell Blvd.	Work Order:	17-09-0868
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: E317100700		Page 14 of 15

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	77-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: E317100700			Page 15 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	101	80-128	
1,2-Dichloroethane-d4	105	80-129	
Toluene-d8	98	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: E317100700			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
17-09-0854-1	**Sample**	**Aqueous**	**GC 42**	**09/15/17**	**09/15/17 15:46**	**170915S016**
17-09-0854-1	**Matrix Spike**	**Aqueous**	**GC 42**	**09/15/17**	**09/15/17 16:21**	**170915S016**
17-09-0854-1	**Matrix Spike Duplicate**	**Aqueous**	**GC 42**	**09/15/17**	**09/15/17 16:56**	**170915S016**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	2000	2018	101	2003	100	68-122	1	0-18	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: E317100700			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
17-09-1082-1	**Sample**	**Aqueous**	**GC/MS Q**	**09/15/17**	**09/15/17 20:38**	**170915S024**
17-09-1082-1	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/15/17**	**09/15/17 21:33**	**170915S024**
17-09-1082-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/15/17**	**09/15/17 22:00**	**170915S024**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	50.89	102	51.25	103	34-166	1	0-33	
Benzene	ND	50.00	48.77	98	48.75	97	75-125	0	0-20	
Bromobenzene	ND	50.00	50.28	101	49.86	100	75-125	1	0-20	
Bromochloromethane	ND	50.00	50.52	101	50.20	100	75-125	1	0-20	
Bromodichloromethane	ND	50.00	52.91	106	52.81	106	75-134	0	0-20	
Bromoform	ND	50.00	42.36	85	44.37	89	74-134	5	0-20	
Bromomethane	ND	50.00	47.25	94	43.63	87	20-168	8	0-40	
2-Butanone	ND	50.00	49.92	100	50.97	102	37-157	2	0-20	
n-Butylbenzene	ND	50.00	49.21	98	49.28	99	73-145	0	0-20	
sec-Butylbenzene	ND	50.00	49.05	98	49.30	99	75-135	1	0-20	
tert-Butylbenzene	ND	50.00	49.13	98	49.90	100	75-136	2	0-20	
Carbon Disulfide	ND	50.00	50.40	101	49.90	100	50-152	1	0-27	
Carbon Tetrachloride	ND	50.00	51.52	103	51.54	103	70-154	0	0-20	
Chlorobenzene	ND	50.00	48.81	98	48.54	97	75-125	1	0-20	
Chloroethane	ND	50.00	50.22	100	49.05	98	41-167	2	0-26	
Chloroform	ND	50.00	50.63	101	50.72	101	75-127	0	0-20	
Chloromethane	ND	50.00	44.98	90	44.05	88	41-149	2	0-20	
2-Chlorotoluene	ND	50.00	49.04	98	48.74	97	75-128	1	0-20	
4-Chlorotoluene	ND	50.00	48.38	97	48.70	97	75-125	1	0-20	
Dibromochloromethane	ND	50.00	48.71	97	49.21	98	75-131	1	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	48.86	98	51.06	102	64-142	4	0-20	
1,2-Dibromoethane	ND	50.00	51.23	102	51.87	104	75-129	1	0-20	
Dibromomethane	ND	50.00	51.50	103	51.26	103	75-125	0	0-20	
1,2-Dichlorobenzene	ND	50.00	48.98	98	50.13	100	75-125	2	0-20	
1,3-Dichlorobenzene	ND	50.00	47.93	96	48.39	97	75-125	1	0-20	
1,4-Dichlorobenzene	ND	50.00	47.23	94	47.91	96	75-125	1	0-20	
Dichlorodifluoromethane	ND	50.00	44.83	90	44.12	88	25-157	2	0-26	
1,1-Dichloroethane	ND	50.00	51.64	103	51.04	102	73-139	1	0-20	
1,2-Dichloroethane	ND	50.00	51.31	103	51.78	104	75-125	1	0-20	
1,1-Dichloroethene	1.877	50.00	50.71	98	50.08	96	61-145	1	0-20	
c-1,2-Dichloroethene	ND	50.00	50.30	101	50.70	101	75-125	1	0-20	
t-1,2-Dichloroethene	ND	50.00	50.08	100	49.38	99	64-142	1	0-20	
1,2-Dichloropropane	ND	50.00	52.32	105	51.93	104	75-127	1	0-20	
1,3-Dichloropropane	ND	50.00	48.81	98	48.74	97	75-125	0	0-20	
2,2-Dichloropropane	ND	50.00	45.30	91	46.10	92	24-180	2	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: E317100700			Page 3 of 5

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	49.47	99	49.10	98	75-135	1	0-20	
c-1,3-Dichloropropene	ND	50.00	51.14	102	52.13	104	75-137	2	0-20	
t-1,3-Dichloropropene	ND	50.00	48.66	97	48.82	98	74-146	0	0-20	
Ethylbenzene	ND	50.00	49.35	99	48.92	98	75-129	1	0-20	
2-Hexanone	ND	50.00	49.09	98	49.08	98	47-161	0	0-20	
Isopropylbenzene	ND	50.00	49.77	100	49.23	98	75-135	1	0-20	
p-Isopropyltoluene	ND	50.00	49.27	99	49.64	99	75-136	1	0-20	
Methylene Chloride	ND	50.00	49.41	99	49.00	98	63-141	1	0-20	
4-Methyl-2-Pentanone	ND	50.00	48.31	97	49.21	98	66-138	2	0-20	
Naphthalene	ND	50.00	47.88	96	49.48	99	59-143	3	0-20	
n-Propylbenzene	ND	50.00	49.36	99	48.92	98	75-133	1	0-20	
Styrene	ND	50.00	49.23	98	47.48	95	70-142	4	0-28	
1,1,1,2-Tetrachloroethane	ND	50.00	54.12	108	54.32	109	75-139	0	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	51.80	104	53.08	106	61-145	2	0-20	
Tetrachloroethene	165.1	50.00	177.8	25	173.3	16	47-143	3	0-20	3
Toluene	ND	50.00	49.33	99	49.30	99	75-125	0	0-20	
1,2,3-Trichlorobenzene	ND	50.00	47.51	95	48.71	97	73-133	2	0-20	
1,2,4-Trichlorobenzene	ND	50.00	48.43	97	49.01	98	71-137	1	0-20	
1,1,1-Trichloroethane	ND	50.00	48.64	97	48.63	97	75-136	0	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	49.62	99	49.48	99	42-168	0	0-22	
1,1,2-Trichloroethane	ND	50.00	50.68	101	50.50	101	75-125	0	0-20	
Trichloroethene	12.97	50.00	60.43	95	59.81	94	67-139	1	0-20	
Trichlorofluoromethane	ND	50.00	52.06	104	50.94	102	59-155	2	0-20	
1,2,3-Trichloropropane	ND	50.00	50.43	101	51.06	102	75-127	1	0-20	
1,2,4-Trimethylbenzene	ND	50.00	48.65	97	48.83	98	75-133	0	0-20	
1,3,5-Trimethylbenzene	ND	50.00	49.15	98	48.76	98	75-135	1	0-20	
Vinyl Acetate	ND	50.00	34.17	68	34.24	68	54-180	0	0-25	
Vinyl Chloride	ND	50.00	49.90	100	48.91	98	51-153	2	0-20	
p/m-Xylene	ND	100.0	98.08	98	96.87	97	75-133	1	0-20	
o-Xylene	ND	50.00	50.28	101	49.90	100	75-134	1	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	49.40	99	49.72	99	64-136	1	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	273.6	109	279.4	112	75-136	2	0-20	
Diisopropyl Ether (DIPE)	ND	50.00	52.71	105	52.96	106	73-139	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	48.94	98	48.91	98	69-135	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	47.60	95	47.66	95	69-135	0	0-20	
Ethanol	ND	500.0	557.4	111	538.1	108	29-179	4	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: E317100700			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
17-09-0688-12	**Sample**	**Aqueous**	**GC/MS CC**	**09/14/17**	**09/14/17 16:38**	**170914S009**
17-09-0688-12	**Matrix Spike**	**Aqueous**	**GC/MS CC**	**09/14/17**	**09/14/17 17:59**	**170914S009**
17-09-0688-12	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS CC**	**09/14/17**	**09/14/17 18:26**	**170914S009**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	46.87	94	56.46	113	34-166	19	0-33	
Benzene	ND	50.00	47.92	96	47.92	96	75-125	0	0-20	
Bromobenzene	ND	50.00	53.24	106	52.76	106	75-125	1	0-20	
Bromochloromethane	ND	50.00	47.26	95	48.17	96	75-125	2	0-20	
Bromodichloromethane	ND	50.00	51.93	104	51.91	104	75-134	0	0-20	
Bromoform	ND	50.00	49.99	100	52.62	105	74-134	5	0-20	
Bromomethane	ND	50.00	42.52	85	42.47	85	20-168	0	0-40	
2-Butanone	ND	50.00	42.73	85	47.22	94	37-157	10	0-20	
n-Butylbenzene	ND	50.00	53.00	106	54.45	109	73-145	3	0-20	
sec-Butylbenzene	ND	50.00	48.33	97	48.46	97	75-135	0	0-20	
tert-Butylbenzene	ND	50.00	51.13	102	49.92	100	75-136	2	0-20	
Carbon Disulfide	ND	50.00	44.94	90	44.76	90	50-152	0	0-27	
Carbon Tetrachloride	ND	50.00	53.35	107	52.80	106	70-154	1	0-20	
Chlorobenzene	ND	50.00	50.75	102	50.03	100	75-125	1	0-20	
Chloroethane	ND	50.00	44.59	89	46.96	94	41-167	5	0-26	
Chloroform	ND	50.00	47.22	94	47.05	94	75-127	0	0-20	
Chloromethane	ND	50.00	41.69	83	44.19	88	41-149	6	0-20	
2-Chlorotoluene	ND	50.00	50.36	101	50.01	100	75-128	1	0-20	
4-Chlorotoluene	ND	50.00	47.44	95	46.74	93	75-125	1	0-20	
Dibromochloromethane	ND	50.00	52.95	106	54.21	108	75-131	2	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	46.62	93	49.10	98	64-142	5	0-20	
1,2-Dibromoethane	ND	50.00	48.43	97	49.62	99	75-129	2	0-20	
Dibromomethane	ND	50.00	49.93	100	49.71	99	75-125	0	0-20	
1,2-Dichlorobenzene	ND	50.00	50.48	101	51.28	103	75-125	2	0-20	
1,3-Dichlorobenzene	ND	50.00	49.28	99	49.22	98	75-125	0	0-20	
1,4-Dichlorobenzene	ND	50.00	50.32	101	50.79	102	75-125	1	0-20	
Dichlorodifluoromethane	ND	50.00	54.44	109	55.96	112	25-157	3	0-26	
1,1-Dichloroethane	ND	50.00	45.98	92	46.31	93	73-139	1	0-20	
1,2-Dichloroethane	ND	50.00	51.78	104	51.96	104	75-125	0	0-20	
1,1-Dichloroethene	ND	50.00	44.87	90	44.97	90	61-145	0	0-20	
c-1,2-Dichloroethene	ND	50.00	45.61	91	46.93	94	75-125	3	0-20	
t-1,2-Dichloroethene	ND	50.00	48.05	96	48.26	97	64-142	0	0-20	
1,2-Dichloropropane	ND	50.00	47.16	94	48.43	97	75-127	3	0-20	
1,3-Dichloropropane	ND	50.00	48.15	96	48.85	98	75-125	1	0-20	
2,2-Dichloropropane	ND	50.00	44.57	89	44.67	89	24-180	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: E317100700			Page 5 of 5

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	47.54	95	46.55	93	75-135	2	0-20	
c-1,3-Dichloropropene	ND	50.00	48.66	97	49.53	99	75-137	2	0-20	
t-1,3-Dichloropropene	ND	50.00	48.43	97	49.45	99	74-146	2	0-20	
Ethylbenzene	ND	50.00	50.03	100	49.70	99	75-129	1	0-20	
2-Hexanone	ND	50.00	45.04	90	49.77	100	47-161	10	0-20	
Isopropylbenzene	ND	50.00	51.57	103	50.86	102	75-135	1	0-20	
p-Isopropyltoluene	ND	50.00	50.96	102	50.57	101	75-136	1	0-20	
Methylene Chloride	ND	50.00	46.24	92	45.61	91	63-141	1	0-20	
4-Methyl-2-Pentanone	ND	50.00	46.02	92	48.99	98	66-138	6	0-20	
Naphthalene	ND	50.00	44.48	89	53.63	107	59-143	19	0-20	
n-Propylbenzene	ND	50.00	52.32	105	51.80	104	75-133	1	0-20	
Styrene	ND	50.00	51.94	104	51.68	103	70-142	1	0-28	
1,1,1,2-Tetrachloroethane	ND	50.00	55.43	111	55.40	111	75-139	0	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	47.87	96	49.47	99	61-145	3	0-20	
Tetrachloroethene	ND	50.00	42.36	85	42.52	85	47-143	0	0-20	
Toluene	ND	50.00	50.24	100	49.19	98	75-125	2	0-20	
1,2,3-Trichlorobenzene	ND	50.00	51.22	102	56.13	112	73-133	9	0-20	
1,2,4-Trichlorobenzene	ND	50.00	54.78	110	58.04	116	71-137	6	0-20	
1,1,1-Trichloroethane	ND	50.00	47.70	95	48.23	96	75-136	1	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	50.77	102	50.34	101	42-168	1	0-22	
1,1,2-Trichloroethane	ND	50.00	48.16	96	49.39	99	75-125	3	0-20	
Trichloroethene	ND	50.00	47.82	96	47.44	95	67-139	1	0-20	
Trichlorofluoromethane	ND	50.00	56.69	113	57.83	116	59-155	2	0-20	
1,2,3-Trichloropropane	ND	50.00	48.69	97	49.68	99	75-127	2	0-20	
1,2,4-Trimethylbenzene	ND	50.00	47.57	95	47.14	94	75-133	1	0-20	
1,3,5-Trimethylbenzene	ND	50.00	51.92	104	51.81	104	75-135	0	0-20	
Vinyl Acetate	ND	50.00	37.62	75	39.18	78	54-180	4	0-25	
Vinyl Chloride	ND	50.00	47.36	95	49.88	100	51-153	5	0-20	
p/m-Xylene	ND	100.0	102.6	103	102.2	102	75-133	0	0-20	
o-Xylene	ND	50.00	50.80	102	50.05	100	75-134	1	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	43.34	87	44.92	90	64-136	4	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	335.7	134	338.1	135	75-136	1	0-20	
Diisopropyl Ether (DIPE)	ND	50.00	44.63	89	44.94	90	73-139	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	32.42	65	32.84	66	69-135	1	0-20	3
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	34.56	69	34.16	68	69-135	1	0-20	3
Ethanol	ND	500.0	668.5	134	719.3	144	29-179	7	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
Project: E317100700			Page 1 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-355-25	**LCS**	**Aqueous**	**GC 45**	**09/15/17**	**09/18/17 13:58**	**170915B01B**
099-14-355-25	**LCSD**	**Aqueous**	**GC 45**	**09/15/17**	**09/18/17 14:20**	**170915B01B**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	4000	4663	117	4677	117	51-141	0	0-11	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: E317100700			Page 2 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-436-11617	**LCS**	**Aqueous**	**GC 42**	**09/15/17**	**09/15/17 14:36**	**170915L035**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	2000	2103	105	78-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: E317100700			Page 3 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-24121	**LCS**	**Aqueous**	**GC/MS Q**	**09/15/17**	**09/15/17 19:16**	**170915L054**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acetone	50.00	50.52	101	53-137	39-151	
Benzene	50.00	49.47	99	79-121	72-128	
Bromobenzene	50.00	51.73	103	80-120	73-127	
Bromochloromethane	50.00	51.54	103	80-122	73-129	
Bromodichloromethane	50.00	53.88	108	80-124	73-131	
Bromoform	50.00	44.64	89	73-127	64-136	
Bromomethane	50.00	45.58	91	50-150	33-167	
2-Butanone	50.00	50.45	101	60-126	49-137	
n-Butylbenzene	50.00	51.18	102	72-138	61-149	
sec-Butylbenzene	50.00	50.92	102	77-131	68-140	
tert-Butylbenzene	50.00	50.97	102	80-125	72-132	
Carbon Disulfide	50.00	50.62	101	50-150	33-167	
Carbon Tetrachloride	50.00	52.06	104	65-143	52-156	
Chlorobenzene	50.00	49.71	99	80-120	73-127	
Chloroethane	50.00	50.38	101	62-128	51-139	
Chloroform	50.00	51.18	102	80-120	73-127	
Chloromethane	50.00	45.15	90	43-133	28-148	
2-Chlorotoluene	50.00	50.57	101	80-121	73-128	
4-Chlorotoluene	50.00	50.52	101	80-120	73-127	
Dibromochloromethane	50.00	49.89	100	80-123	73-130	
1,2-Dibromo-3-Chloropropane	50.00	52.10	104	66-126	56-136	
1,2-Dibromoethane	50.00	53.94	108	80-120	73-127	
Dibromomethane	50.00	52.25	105	80-120	73-127	
1,2-Dichlorobenzene	50.00	51.19	102	80-120	73-127	
1,3-Dichlorobenzene	50.00	49.95	100	80-120	73-127	
1,4-Dichlorobenzene	50.00	49.57	99	80-120	73-127	
Dichlorodifluoromethane	50.00	44.92	90	50-150	33-167	
1,1-Dichloroethane	50.00	52.21	104	72-126	63-135	
1,2-Dichloroethane	50.00	52.44	105	76-120	69-127	
1,1-Dichloroethene	50.00	49.56	99	66-132	55-143	
c-1,2-Dichloroethene	50.00	50.80	102	78-120	71-127	
t-1,2-Dichloroethene	50.00	50.80	102	66-132	55-143	
1,2-Dichloropropane	50.00	53.49	107	80-120	73-127	
1,3-Dichloropropane	50.00	51.50	103	80-120	73-127	
2,2-Dichloropropane	50.00	49.19	98	50-150	33-167	
1,1-Dichloropropene	50.00	50.01	100	75-123	67-131	
c-1,3-Dichloropropene	50.00	54.40	109	77-131	68-140	
t-1,3-Dichloropropene	50.00	51.68	103	76-136	66-146	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI	Date Received:	09/13/17
601 North McDowell Blvd.	Work Order:	17-09-0868
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: E317100700		Page 4 of 6

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Ethylbenzene	50.00	50.52	101	80-120	73-127	
2-Hexanone	50.00	52.86	106	63-123	53-133	
Isopropylbenzene	50.00	50.82	102	80-128	72-136	
p-Isopropyltoluene	50.00	51.24	102	73-133	63-143	
Methylene Chloride	50.00	50.03	100	61-133	49-145	
4-Methyl-2-Pentanone	50.00	52.11	104	65-125	55-135	
Naphthalene	50.00	52.07	104	69-129	59-139	
n-Propylbenzene	50.00	50.63	101	80-128	72-136	
Styrene	50.00	51.77	104	80-126	72-134	
1,1,1,2-Tetrachloroethane	50.00	54.88	110	80-129	72-137	
1,1,2,2-Tetrachloroethane	50.00	53.15	106	74-122	66-130	
Tetrachloroethene	50.00	47.10	94	55-139	41-153	
Toluene	50.00	50.10	100	80-120	73-127	
1,2,3-Trichlorobenzene	50.00	51.31	103	72-132	62-142	
1,2,4-Trichlorobenzene	50.00	51.64	103	74-134	64-144	
1,1,1-Trichloroethane	50.00	49.70	99	76-124	68-132	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	49.84	100	54-150	38-166	
1,1,2-Trichloroethane	50.00	52.24	104	80-120	73-127	
Trichloroethene	50.00	50.20	100	79-121	72-128	
Trichlorofluoromethane	50.00	51.20	102	72-132	62-142	
1,2,3-Trichloropropane	50.00	53.00	106	75-123	67-131	
1,2,4-Trimethylbenzene	50.00	50.46	101	74-128	65-137	
1,3,5-Trimethylbenzene	50.00	50.53	101	77-131	68-140	
Vinyl Acetate	50.00	39.02	78	50-150	33-167	
Vinyl Chloride	50.00	50.66	101	63-129	52-140	
p/m-Xylene	100.0	100.2	100	80-122	73-129	
o-Xylene	50.00	51.58	103	80-128	72-136	
Methyl-t-Butyl Ether (MTBE)	50.00	52.30	105	69-123	60-132	
Tert-Butyl Alcohol (TBA)	250.0	268.4	107	80-124	73-131	
Diisopropyl Ether (DIPE)	50.00	54.25	108	79-121	72-128	
Ethyl-t-Butyl Ether (ETBE)	50.00	51.45	103	71-125	62-134	
Tert-Amyl-Methyl Ether (TAME)	50.00	50.13	100	70-124	61-133	
Ethanol	500.0	512.2	102	53-149	37-165	

Total number of LCS compounds: 71
Total number of ME compounds: 0
Total number of ME compounds allowed: 4
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: E317100700			Page 5 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-24102	**LCS**	**Aqueous**	**GC/MS CC**	**09/14/17**	**09/14/17 14:51**	**170914L025**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acetone	50.00	47.22	94	53-137	39-151	
Benzene	50.00	47.97	96	79-121	72-128	
Bromobenzene	50.00	54.07	108	80-120	73-127	
Bromochloromethane	50.00	47.50	95	80-122	73-129	
Bromodichloromethane	50.00	52.45	105	80-124	73-131	
Bromoform	50.00	53.37	107	73-127	64-136	
Bromomethane	50.00	40.94	82	50-150	33-167	
2-Butanone	50.00	44.92	90	60-126	49-137	
n-Butylbenzene	50.00	53.79	108	72-138	61-149	
sec-Butylbenzene	50.00	48.51	97	77-131	68-140	
tert-Butylbenzene	50.00	50.72	101	80-125	72-132	
Carbon Disulfide	50.00	44.64	89	50-150	33-167	
Carbon Tetrachloride	50.00	51.73	103	65-143	52-156	
Chlorobenzene	50.00	51.15	102	80-120	73-127	
Chloroethane	50.00	45.61	91	62-128	51-139	
Chloroform	50.00	46.95	94	80-120	73-127	
Chloromethane	50.00	43.81	88	43-133	28-148	
2-Chlorotoluene	50.00	50.90	102	80-121	73-128	
4-Chlorotoluene	50.00	48.18	96	80-120	73-127	
Dibromochloromethane	50.00	54.26	109	80-123	73-130	
1,2-Dibromo-3-Chloropropane	50.00	48.60	97	66-126	56-136	
1,2-Dibromoethane	50.00	49.55	99	80-120	73-127	
Dibromomethane	50.00	49.74	99	80-120	73-127	
1,2-Dichlorobenzene	50.00	50.69	101	80-120	73-127	
1,3-Dichlorobenzene	50.00	49.84	100	80-120	73-127	
1,4-Dichlorobenzene	50.00	51.07	102	80-120	73-127	
Dichlorodifluoromethane	50.00	51.74	103	50-150	33-167	
1,1-Dichloroethane	50.00	46.17	92	72-126	63-135	
1,2-Dichloroethane	50.00	51.90	104	76-120	69-127	
1,1-Dichloroethene	50.00	44.43	89	66-132	55-143	
c-1,2-Dichloroethene	50.00	46.35	93	78-120	71-127	
t-1,2-Dichloroethene	50.00	48.34	97	66-132	55-143	
1,2-Dichloropropane	50.00	48.19	96	80-120	73-127	
1,3-Dichloropropane	50.00	49.10	98	80-120	73-127	
2,2-Dichloropropane	50.00	47.14	94	50-150	33-167	
1,1-Dichloropropene	50.00	45.88	92	75-123	67-131	
c-1,3-Dichloropropene	50.00	49.98	100	77-131	68-140	
t-1,3-Dichloropropene	50.00	51.14	102	76-136	66-146	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	09/13/17
601 North McDowell Blvd.		Work Order:	17-09-0868
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: E317100700			Page 6 of 6

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Ethylbenzene	50.00	50.55	101	80-120	73-127	
2-Hexanone	50.00	45.45	91	63-123	53-133	
Isopropylbenzene	50.00	51.34	103	80-128	72-136	
p-Isopropyltoluene	50.00	50.84	102	73-133	63-143	
Methylene Chloride	50.00	46.58	93	61-133	49-145	
4-Methyl-2-Pentanone	50.00	44.78	90	65-125	55-135	
Naphthalene	50.00	53.77	108	69-129	59-139	
n-Propylbenzene	50.00	52.28	105	80-128	72-136	
Styrene	50.00	53.88	108	80-126	72-134	
1,1,1,2-Tetrachloroethane	50.00	56.71	113	80-129	72-137	
1,1,2,2-Tetrachloroethane	50.00	52.29	105	74-122	66-130	
Tetrachloroethene	50.00	40.14	80	55-139	41-153	
Toluene	50.00	49.43	99	80-120	73-127	
1,2,3-Trichlorobenzene	50.00	56.26	113	72-132	62-142	
1,2,4-Trichlorobenzene	50.00	59.47	119	74-134	64-144	
1,1,1-Trichloroethane	50.00	47.10	94	76-124	68-132	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	48.59	97	54-150	38-166	
1,1,2-Trichloroethane	50.00	49.12	98	80-120	73-127	
Trichloroethene	50.00	45.73	91	79-121	72-128	
Trichlorofluoromethane	50.00	53.74	107	72-132	62-142	
1,2,3-Trichloropropane	50.00	50.96	102	75-123	67-131	
1,2,4-Trimethylbenzene	50.00	48.56	97	74-128	65-137	
1,3,5-Trimethylbenzene	50.00	52.60	105	77-131	68-140	
Vinyl Acetate	50.00	39.99	80	50-150	33-167	
Vinyl Chloride	50.00	47.60	95	63-129	52-140	
p/m-Xylene	100.0	102.4	102	80-122	73-129	
o-Xylene	50.00	50.89	102	80-128	72-136	
Methyl-t-Butyl Ether (MTBE)	50.00	45.16	90	69-123	60-132	
Tert-Butyl Alcohol (TBA)	250.0	289.6	116	80-124	73-131	
Diisopropyl Ether (DIPE)	50.00	45.24	90	79-121	72-128	
Ethyl-t-Butyl Ether (ETBE)	50.00	36.68	73	71-125	62-134	
Tert-Amyl-Methyl Ether (TAME)	50.00	38.21	76	70-124	61-133	
Ethanol	500.0	558.7	112	53-149	37-165	

Total number of LCS compounds: 71
Total number of ME compounds: 0
Total number of ME compounds allowed: 4
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 17-09-0868 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8015B (M)	EPA 3510C	972	GC 45	1
EPA 8015B (M)	EPA 5030C	1063	GC 42	2
EPA 8260B	EPA 5030C	1055	GC/MS Q	2
EPA 8260B	EPA 5030C	1055	GC/MS CC	2

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Glossary of Terms and Qualifiers

Work Order: 17-09-0868 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: **17-09-0868**

DATE: 9-9-17

PAGE: 1 OF 1

LABORATORY CLIENT: **Cardno**

ADDRESS: 2300 Clayton Road, Suite 200

CITY: Concord STATE: CA ZIP: 94520

TEL: (510) 362- 2170 E-MAIL: glen.smith@cardno.com

CLIENT PROJECT NAME / NUMBER: **E317100700**

P.O. NO.:

PROJECT CONTACT: **Glen Smith**

SAMPLER(S): (PRINT) Nadya Vicente

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: **T10000010741** LOG CODE:

SPECIAL INSTRUCTIONS:

****Full Scan VOC: including but not limited to BTEX, fuel oxygenates, lead scavengers, naphthalene, TCE, and PCE**, chlorinated VOC

Please email PDF files to: norcallabs@eri-us.com

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Full Scan VOC (8260)**	Tphg, Tphd, Tphmo (8015)
1	B1	B-1	9-9-17	1050	W	9				X	X
2	B2	B-2	9-9-17	1645	W	9				X	X
3	B3	B-3	9-9-17	1730	W	9				X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) ECI	Date: 9/12/17	Time: 1040
Relinquished by: (Signature) to GSO 9/12/17 1730	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 9/13/17	Time: 1000

06/02/14 Revision

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086f

800-322-5555
www.gso.com

Ship From
CAL SCIENCE- CONCORD
ALAN KEMP
5063 COMMERCIAL CIRCLE
#H
CONCORD, CA 94520

Ship To
CEL
SAMPLE RECEIVING
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD: $0.00
Weight: 0 lb(s)
Reference:
CARDNO
Delivery Instructions:

Signature Type: REQUIRED

Tracking #: 537577341

NPS

ORC **A**

GARDEN GROVE

D92845A

72117114

Print Date: 9/12/2017 3:45 PM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

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WORK ORDER NUMBER: 17-09-0868

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Cardno

DATE: 09 / 13 / 2017

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: +0.2°C); Temperature (w/o CF): 2.2 °C (w/ CF): 2.4 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: IS

CUSTODY SEAL:

Cooler ☑ Present and Intact ☐ Present but Not Intact ☐ Not Present ☐ N/A Checked by: IS

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 863

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☐	☑	☐
☑ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☑ VOA**h** (8) ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☑ 500AGJ ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 863

Reviewed by: TH

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WORK ORDER NUMBER: 17-09-0868

SAMPLE ANOMALY REPORT

DATE: 09 / 13 / 2017

SAMPLES, CONTAINERS, AND LABELS:

Comments

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☐ Client sample label(s) do not match COC (comment)
  - ☐ Project information
  - ☐ Client sample ID
  - ☐ Sampling date and/or time
  - ☐ Number of container(s)
  - ☐ Requested analysis
- ☐ Sample container(s) compromised (comment)
  - ☐ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags*)
  - ☐ Leaking (transferred into client's Tedlar™ bags*)

* Transferred at client's request.

MISCELLANEOUS: (Describe)

Comments

HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**
1	B to I	8			

(Containers with bubble for other analysis)

ECI Sample ID	ECI Container ID	Total Number**	Requested Analysis

Comments: _____

Reported by: 863

Reviewed by: 771

** Record the total number of containers (i.e., vials or bottles) for the affected sample.

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TABLE 1
CURRENT GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID	Date Sampled	8015B TPHmo (µg/L)	8015B TPHd (µg/L)	8015B TPHg (µg/L)	8260B B (µg/L)	8260B T (µg/L)	8260B E (µg/L)	8260B X (µg/L)	8260B MTBE (µg/L)	8260B Acetone (µg/L)	8260B c-1,2-DCA (µg/L)	8260B PCE (µg/L)	8260B TCE (µg/L)	8260B VOCs (µg/L)
230 MacArthur Boulevard														
2017 Subsurface Investigation														
B2	09/09/17	<52	<52	92e	<0.50	2.1	<1.0	<2.0	<1.0	<20	7.4	11	2.0	ND
B3	09/09/17	<52	<52	<50	<0.50	<0.50	<1.0	<2.0	<1.0	<20	3.3	1.3	<1.0	ND
240 MacArthur Boulevard														
2017 Subsurface Investigation														
B1	09/09/17	170e	320e	<50	<0.50	1.3	<0.50	<2.0	<1.0	22	2.2	10	<1.0	ND

Notes:

TPHd	=	Total petroleum hydrocarbons as diesel.
TPHg	=	Total petroleum hydrocarbons as gasoline.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes.
MTBE	=	Methyl tertiary butyl ether.
c-1,2-DCA	=	cis-1,2-dichloroethane.
PCE	=	Tetrachloroethene.
TCE	=	Trichloroethene.
VOCs	=	Volatile organic compounds.
ND	=	Not detected.
µg/L	=	Micrograms per cubic liter.
<	=	Less than the stated laboratory reporting limit.

TABLE 2
CURRENT SOIL ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

			8015			8260B												
Sample ID	Depth (feet)	Date Sampled	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Naph-thalene (mg/kg)	VOCs (mg/kg)
230 MacArthur Boulevard																		
2017 Subsurface Investigation																		
S-11-B2	11	09/09/17	<5.0	<5.0	<0.51	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0099	<0.0099	<0.0099	<0.050	<0.050	ND
S-16.5-B2	16.5	09/09/17	<5.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.050	ND
S-17-B2	17	09/09/17	<5.1	<5.1	<0.48	<0.0049	<0.0049	<0.0049	<0.0098	<0.0049	<0.0049	<0.0049	<0.0098	<0.0098	<0.0098	<0.049	<0.049	ND
S-17-B3	17	09/09/17	<5.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.050	ND
240 MacArthur Boulevard																		
2017 Subsurface Investigation																		
S-8-B1	8	09/09/17	<4.9	<4.9	<0.49	<0.0051	<0.0051	<0.0051	<0.0102	<0.0051	<0.0051	<0.0051	<0.010	<0.010	<0.010	<0.051	<0.051	ND
S-17-B1	17	09/09/17	<5.0	<5.0	<0.51	<0.0049	<0.0049	<0.0049	<0.0098	<0.0049	<0.0049	<0.0049	<0.0099	<0.0099	<0.0099	<0.049	<0.049	ND

Notes:
TPHmo = Total petroleum hydrocarbons as motor oil.
TPHg = Total petroleum hydrocarbons as gasoline.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes.
MTBE = Methyl tertiary butyl ether.
1,2-DCA = 1,2-dichloroethane.
EDB = 1,2-dibromoethane.
ETBE = Ethyl tertiary butyl ether.
DIPE = Di-isopropyl ether.
TAME = Tertiary amyl methyl ether.
TBA = Tertiary butyl alcohol.
mg/kg = Milligrams per kilogram.
ND = Not detected.
< = Less than the stated laboratory reporting limit.
--- = Not sampled/Not analyzed.

TABLE 3
SOIL BORING DETAILS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well	Well Depth (feet)	Well Screen Interval	
		Depth (feet)	Elevation (feet)
230 MacArthur Boulevard			
MW-1	30	10 to 30	---
MW-2	28	10 to 28	---
MW-3	29	11.5 to 28.5	---
MW-4	25	15 to 25	---
MW-5	25	10 to 25	---
240 MacArthur Boulevard			
MW-1	25	19.5 to 24.5	54.5 to 49.5
MW-2	25	14.5 to 24.5	64.2 to 54.2
MW-3	25	14.5 to 24.5	63.4 to 53.4
MW-4	25	14.5 to 24.5	63.6 to 53.6
MW-5	20	9 to 19	70.6 to 60.6
MW-6	20	9 to 19	69.7 to 59.7
MW-7	20	9 to 19	69.6 to 59.6
MW-8	20	9 to 19	67.7 to 57.7

TABLE 4
CUMULATIVE GROUNDWATER MONITORING DATA
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID	Measuring Date	TOC Elevation (feet below msl)	Depth to Water (feet below TOC)	Groundwater Elevation (feet below msl)
230 MacArthur Boulevard				
MW-1	07/14/88	73.89	13.30	60.59
MW-1	04/10/88	73.89	13.65	60.24
MW-1	10/11/88	73.89	13.55	60.34
MW-1	09/12/88	73.89	13.22	60.67
MW-1	10/01/89	73.89	12.86	61.03
MW-1	01/20/89	73.89	12.91	60.98
MW-1	06/02/89	73.89	12.94	60.95
MW-1	10/03/89	73.89	12.59	61.30
MW-1	06/06/89	73.89	14.05	59.84
MW-1	07/09/89	73.89	14.92	58.97
MW-1	12/18/89	73.89	14.88	59.01
MW-1	08/03/90	73.89	14.08	59.81
MW-1	07/06/90	73.89	13.89	60.00
MW-1	05/09/90	73.89	14.83	59.06
MW-1	03/12/90	73.89	15.05	58.84
MW-1	01/03/91	73.89	14.34	59.55
MW-1	03/06/91	73.89	14.16	59.73
MW-1	04/09/91	73.89	14.60	59.29
MW-1	03/13/92	73.89	13.40	60.49
MW-1	03/06/92	73.89	13.76	60.13
MW-1	08/19/92	73.89	14.57	59.32
MW-1	11/16/92	73.89	14.78	59.11
MW-1	02/18/93	73.89	12.14	61.75
MW-1	01/06/93	73.89	13.30	60.59
MW-1	08/30/93	73.89	14.32	59.57
MW-1	12/13/93	73.89	14.06	59.83
MW-1	03/03/94	73.89	13.12	60.77
MW-1	06/06/94	73.89	14.20	59.69
MW-1	12/09/94	73.89	15.72	58.17
MW-1	12/15/94	73.89	12.98	60.91
MW-1	03/13/95	73.89	11.74	62.15
MW-1	04/21/95	73.89	---	---
MW-1	06/26/95	73.89	13.00	60.89
MW-1	12/09/95	73.89	14.14	59.75
MW-1	03/21/96	73.89	11.03	62.86
MW-1	06/28/96	73.89	13.53	60.36
MW-1	09/19/96	73.89	14.33	59.56
MW-1	12/19/96	73.89	13.20	60.69
MW-1	05/12/97	73.89	12.39	61.50
MW-1	12/24/98	73.89	13.59	60.30
MW-1	12/23/99	73.89	15.63	58.26
MW-1	11/12/00	73.89	15.36	58.53
MW-1	12/27/01	73.89	12.09	61.80
MW-1	01/30/02	76.92	Surveyed by Virgil Chavez Land Surveying of Vallejo.	
MW-1	12/03/02	76.92	12.33	64.59
MW-1	03/14/02	76.92	12.08	64.84
MW-1	06/13/02	76.92	13.47	63.45
MW-1	09/09/02	76.92	14.30	62.62
MW-1	12/12/02	76.92	14.48	62.44
MW-1	10/03/03	76.92	12.76	64.16
MW-1	10/06/03	76.92	13.17	63.75
MW-1	09/16/03	76.92	14.10	62.82
MW-1	03/12/03	76.92	13.93	62.99
MW-1	11/03/04	76.92	12.04	64.88
MW-1	06/17/04	76.92	13.75	63.17

TABLE 4
CUMULATIVE GROUNDWATER MONITORING DATA
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Measuring Date	TOC Elevation (feet below msl)	Depth to Water (feet below TOC)	Groundwater Elevation (feet below msl)
MW-1		09/13/04	76.92	14.47	62.45
MW-1		07/12/04	76.92	13.04	63.88
MW-1		03/03/05	76.92	11.31	65.61
MW-1		06/14/05	76.92	11.87	65.05
MW-1		09/19/05	76.92	13.91	63.01
MW-1		03/30/06	76.92	10.60	66.32
MW-1		09/27/06	76.92	14.06	62.86
MW-1		09/28/06	76.92	---	---
MW-1		12/26/06	76.92	13.05	63.87
MW-1		03/29/07	76.92	12.87	64.05
MW-1		07/06/07	76.92	15.53	61.39
MW-1		09/18/07	76.92	15.64	61.28
MW-1		12/17/07	76.92	15.15	61.77
MW-1		02/27/08	76.92	14.41	62.51
MW-1		05/28/08	76.92	14.40	62.52
MW-1		09/19/08	76.92	14.74	62.18
MW-1		04/12/08	76.92	14.80	62.12
MW-1		02/25/09	76.92	11.91	65.01
MW-1		05/26/09	76.92	12.73	64.19
MW-1		09/18/09	76.92	13.82	63.10
MW-1		03/16/10	76.92	14.60	62.32
MW-1		09/27/10	76.92	15.46	61.46
MW-1		03/25/11	76.92	13.35	63.57
MW-2		07/14/88	75.24	15.18	60.06
MW-2		04/10/88	75.24	15.30	59.94
MW-2		10/11/88	75.24	15.17	60.07
MW-2		09/12/88	75.24	14.82	60.42
MW-2		01/20/89	75.24	14.54	60.70
MW-2		06/02/89	75.24	14.59	60.65
MW-2		10/03/89	75.24	14.88	60.36
MW-2		06/06/89	75.24	15.30	59.94
MW-2		07/09/89	75.24	16.76	58.48
MW-2		12/18/89	75.24	16.65	58.59
MW-2		08/03/90	75.24	15.92	59.32
MW-2		07/06/90	75.24	16.10	59.14
MW-2		05/09/90	75.24	16.61	58.63
MW-2		03/12/90	75.24	17.06	58.18
MW-2		01/03/91	75.24	16.62	58.62
MW-2		03/06/91	75.24	16.65	58.59
MW-2		04/09/91	75.24	16.57	58.67
MW-2		03/13/92	75.24	14.66	60.58
MW-2		03/06/92	75.24	15.90	59.34
MW-2		08/19/92	75.24	16.72	58.52
MW-2		11/16/92	75.24	16.66	58.58
MW-2		02/18/93	75.24	13.88	61.36
MW-2	Dup	02/18/93	75.24	13.88	61.36
MW-2		01/06/93	75.24	14.74	60.50
MW-2		08/30/93	75.24	15.85	59.39
MW-2		12/13/93	75.24	15.83	59.41
MW-2		03/03/94	75.24	14.80	60.44
MW-2		06/06/94	75.24	16.65	58.59
MW-2		12/09/94	75.24	16.72	58.52
MW-2		12/15/94	75.24	15.25	59.99
MW-2		03/13/95	75.24	15.32	59.92
MW-2		04/21/95	75.24	---	---
MW-2		06/26/95	75.24	14.65	60.59
MW-2		12/09/95	75.24	15.78	59.46

TABLE 4
CUMULATIVE GROUNDWATER MONITORING DATA
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID	Measuring Date	TOC Elevation (feet below msl)	Depth to Water (feet below TOC)	Groundwater Elevation (feet below msl)
MW-2	03/21/96	75.24	12.72	62.52
MW-2	06/28/96	75.24	14.95	60.29
MW-2	09/19/96	75.24	15.64	59.60
MW-2	12/19/96	75.24	14.47	60.77
MW-2	05/12/97	75.24	14.22	61.02
MW-2	12/24/98	75.24	14.97	60.27
MW-2	12/23/99	75.24	16.07	59.17
MW-2	11/12/00	75.24	15.78	59.46
MW-2	12/27/01	75.24	14.25	60.99
MW-2	01/30/02	78.25	Surveyed by Virgil Chavez Land Surveying of Vallejo.	
MW-2	03/14/02	78.25	14.59	63.66
MW-2	06/13/02	78.25	14.58	63.67
MW-2	09/09/02	78.25	15.49	62.76
MW-2	12/12/02	78.25	16.21	62.04
MW-2	10/03/03	78.25	14.33	63.92
MW-2	10/06/03	78.25	14.48	63.77
MW-2	09/16/03	78.25	15.45	62.80
MW-2	03/12/03	78.25	15.60	62.65
MW-2	11/03/04	78.25	13.78	64.47
MW-2	06/17/04	78.25	14.87	63.38
MW-2	09/13/04	78.25	15.85	62.40
MW-2	07/12/04	78.25	15.17	63.08
MW-2	03/03/05	78.25	13.38	64.87
MW-2	06/14/05	78.25	13.95	64.30
MW-2	09/19/05	78.25	14.78	63.47
MW-2	03/30/06	78.25	11.60	66.65
MW-2	09/27/06	78.25	15.42	62.83
MW-2	09/28/06	78.25	---	---
MW-2	12/26/06	78.25	14.60	63.65
MW-2	03/29/07	78.25	14.28	63.97
MW-2	07/06/07	78.25	18.20	60.05
MW-2	09/18/07	78.25	19.70	58.55
MW-2	12/17/07	78.25	15.50	62.75
MW-2	02/27/08	78.25	18.12	60.13
MW-2	05/28/08	78.25	18.75	59.50
MW-2	09/19/08	78.25	17.35	60.90
MW-2	04/12/08	78.25	16.78	61.47
MW-2	02/25/09	78.25	13.92	64.33
MW-2	05/26/09	78.25	14.50	63.75
MW-2	09/18/09	78.25	14.92	63.33
MW-2	03/16/10	78.25	18.16	60.09
MW-2	09/27/10	78.25	20.81	57.44
MW-2	03/25/11	78.25	17.98	60.27
MW-3	07/14/88	74.68	14.05	60.63
MW-3	04/10/88	74.68	14.60	60.08
MW-3	10/11/88	74.68	14.35	60.33
MW-3	09/12/88	74.68	14.04	60.64
MW-3	10/01/89	74.68	13.70	60.98
MW-3	01/20/89	74.68	13.72	60.96
MW-3	06/02/89	74.68	13.75	60.93
MW-3	10/03/89	74.68	13.42	61.26
MW-3	06/06/89	74.68	14.52	60.16
MW-3	07/09/89	74.68	15.52	59.16
MW-3	12/18/89	74.68	19.59	55.09
MW-3	08/03/90	74.68	14.72	59.96
MW-3	07/06/90	74.68	14.65	60.03
MW-3	05/09/90	74.68	15.51	59.17

TABLE 4
CUMULATIVE GROUNDWATER MONITORING DATA
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Measuring Date	TOC Elevation (feet below msl)	Depth to Water (feet below TOC)	Groundwater Elevation (feet below msl)
MW-3		03/12/90	74.68	14.85	59.83
MW-3		01/03/91	74.68	14.92	59.76
MW-3		03/06/91	74.68	14.75	59.93
MW-3		04/09/91	74.68	15.14	59.54
MW-3		03/13/92	74.68	13.50	61.18
MW-3		03/06/92	74.68	14.39	60.29
MW-3		08/19/92	74.68	15.08	59.60
MW-3	Dup	08/19/92	74.68	15.08	59.60
MW-3		11/16/92	74.68	15.43	59.25
MW-3	Dup	11/16/92	74.68	15.43	59.25
MW-3		02/18/93	74.68	12.96	61.72
MW-3		01/06/93	74.68	13.98	60.70
MW-3	Dup	01/06/93	74.68	13.98	60.70
MW-3		08/30/93	74.68	14.82	59.86
MW-3		12/13/93	74.68	14.70	59.98
MW-3	Dup	12/13/93	74.68	14.70	59.98
MW-3		03/03/94	74.68	13.92	60.76
MW-3		06/06/94	74.68	14.73	59.95
MW-3		12/09/94	74.68	15.42	59.26
MW-3		12/15/94	74.68	13.80	60.88
MW-3		03/13/95	74.68	12.41	62.27
MW-3		04/21/95	74.68	---	---
MW-3		06/26/95	74.68	13.79	60.89
MW-3		09/12/95	74.68	14.77	59.91
MW-3		03/21/96	74.68	11.80	62.88
MW-3		06/28/96	74.68	14.19	60.49
MW-3		09/19/96	74.68	14.85	59.83
MW-3		12/19/96	74.68	13.61	61.07
MW-3		05/12/97	74.68	13.16	61.52
MW-3		12/24/98	74.68	14.08	60.60
MW-3		12/23/99	74.68	15.92	58.76
MW-3		11/12/00	74.68	15.31	59.37
MW-3		12/27/01	74.68	12.84	61.84
MW-3		12/03/01	74.68	12.54	62.14
MW-3		03/14/02	74.68	12.78	61.90
MW-3		06/13/02	74.68	14.06	60.62
MW-3		09/09/02	77.69	14.77	62.92
MW-3		12/12/02	77.69	15.11	62.58
MW-3		10/03/03	77.69	13.52	64.17
MW-3		10/06/03	77.69	13.82	63.87
MW-3		09/16/03	77.69	14.60	63.09
MW-3		03/12/03	77.69	14.53	63.16
MW-3		11/03/04	77.69	12.38	65.31
MW-3		06/17/04	77.69	14.28	63.41
MW-3		09/13/04	77.69	14.78	62.91
MW-3		07/12/04	77.69	13.77	63.92
MW-3		03/03/05	77.69	11.84	65.85
MW-3		06/14/05	77.69	12.29	65.40
MW-3		09/19/05	77.69	14.33	63.36
MW-3		03/30/06	77.69	10.30	67.39
MW-3		09/27/06	77.69	14.62	63.07
MW-3		09/28/06	77.69	---	---
MW-3		12/26/06	77.69	13.82	63.87
MW-3		03/29/07	77.69	13.55	64.14
MW-3		07/06/07	77.69	16.38	61.31
MW-3		09/18/07	77.69	16.24	61.45
MW-3		12/17/07	77.69	19.24	58.45
MW-3		02/27/08	77.69	14.65	63.04

TABLE 4
CUMULATIVE GROUNDWATER MONITORING DATA
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Measuring Date	TOC Elevation (feet below msl)	Depth to Water (feet below TOC)	Groundwater Elevation (feet below msl)
MW-3		05/28/08	77.69	15.33	62.36
MW-3		09/19/08	77.69	15.53	62.16
MW-3		04/12/08	77.69	15.38	62.31
MW-3		02/25/09	77.69	12.60	65.09
MW-3		05/26/09	77.69	13.40	64.29
MW-3		09/18/09	77.69	14.66	63.03
MW-3		03/16/10	77.69	14.73	62.96
MW-3		09/27/10	77.69	16.09	61.60
MW-3		03/25/11	77.69	14.16	63.53
MW-4		01/23/90	73.83	14.68	59.15
MW-4		08/03/90	73.83	14.38	59.45
MW-4		07/06/90	73.83	14.27	59.56
MW-4		05/09/90	73.83	15.40	58.43
MW-4		03/12/90	73.83	15.90	57.93
MW-4		03/06/91	73.83	14.60	59.23
MW-4		04/09/91	73.83	15.25	58.58
MW-4		03/13/92	73.83	12.72	61.11
MW-4		03/06/92	73.83	14.33	59.50
MW-4		08/19/92	73.83	15.18	58.65
MW-4		11/16/92	73.83	15.39	58.44
MW-4		02/18/93	73.83	12.62	61.21
MW-4		01/06/93	73.83	13.68	60.15
MW-4		08/30/93	73.83	14.83	59.00
MW-4	Dup	08/30/93	73.83	14.83	59.00
MW-4		12/13/93	73.83	14.50	59.33
MW-4		03/03/94	73.83	13.48	60.35
MW-4	Dup	03/03/94	73.83	13.48	60.35
MW-4		06/06/94	73.83	14.26	59.57
MW-4	Dup	06/06/94	73.83	14.26	59.57
MW-4		12/09/94	73.83	15.42	58.41
MW-4	Dup	12/09/94	73.83	15.42	58.41
MW-4		12/15/94	73.83	13.43	60.40
MW-4	Dup	12/15/94	73.83	13.43	60.40
MW-4		03/13/95	73.83	12.13	61.70
MW-4	Dup	03/13/95	73.83	12.13	61.70
MW-4		06/25/95	73.83	13.26	60.57
MW-4	Dup	06/25/95	73.83	13.26	60.57
MW-4		09/12/95	73.83	14.64	59.19
MW-4	Dup	09/12/95	73.83	14.64	59.19
MW-4		03/21/96	73.83	11.55	62.28
MW-4	Dup	03/21/96	73.83	11.55	62.28
MW-4		06/28/96	73.83	13.86	59.97
MW-4	Dup	06/28/96	73.83	13.86	59.97
MW-4		09/19/96	73.83	14.72	59.11
MW-4	Dup	09/19/96	73.83	14.72	59.11
MW-4		12/19/96	73.83	13.06	60.77
MW-4		05/12/97	73.83	12.89	60.94
MW-4		12/24/98	73.83	13.92	59.91
MW-4		12/17/99	73.83	14.28	59.55
MW-4		12/23/99	73.83	16.24	57.59
MW-4		11/12/00	73.83	14.15	59.68
MW-4		12/27/01	73.83	12.61	61.22
MW-4		01/30/02	76.82	Surveyed by Virgil Chavez Land Surveying of Vallejo.	
MW-4		03/14/02	76.82	12.35	64.47
MW-4		06/13/02	76.82	13.72	63.10
MW-4		09/09/02	76.82	14.56	62.26
MW-4		12/12/02	76.82	14.82	62.00

TABLE 4
CUMULATIVE GROUNDWATER MONITORING DATA
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID	Measuring Date	TOC Elevation (feet below msl)	Depth to Water (feet below TOC)	Groundwater Elevation (feet below msl)
MW-4	10/03/03	76.82	13.63	63.19
MW-4	10/06/03	76.82	13.68	63.14
MW-4	09/16/03	76.82	14.35	62.47
MW-4	03/12/03	76.82	14.27	62.55
MW-4	11/03/04	76.82	12.62	64.20
MW-4	06/17/04	76.82	13.90	62.92
MW-4	09/13/04	76.82	14.67	62.15
MW-4	07/12/04	76.82	13.92	62.90
MW-4	03/03/05	76.82	11.75	65.07
MW-4	06/14/05	76.82	12.20	64.62
MW-4	09/19/05	76.82	14.08	62.74
MW-4	03/30/06	76.82	10.25	66.57
MW-4	09/27/06	76.82	14.18	62.64
MW-4	09/28/06	76.82	---	---
MW-4	12/26/06	76.82	13.25	63.57
MW-4	03/29/07	76.82	13.18	63.64
MW-4	07/06/07	76.82	18.01	58.81
MW-4	09/18/07	76.82	18.80	58.02
MW-4	12/17/07	76.82	18.50	58.32
MW-4	02/27/08	76.82	17.85	58.97
MW-4	05/28/08	76.82	18.26	58.56
MW-4	09/19/08	76.82	16.16	60.66
MW-4	04/12/08	76.82	15.67	61.15
MW-4	02/25/09	76.82	12.44	64.38
MW-4	05/26/09	76.82	13.30	63.52
MW-4	09/18/09	76.82	14.30	62.52
MW-4	03/16/10	76.82	18.14	58.68
MW-4	09/27/10	76.82	18.99	57.83
MW-4	03/25/11	76.82	17.65	59.17
MW-5	05/10/06	76.97	Surveyed by Virgil Chavez Land Surveying of Vallejo.	
MW-5	09/22/06	76.97	14.21	62.76
MW-5	09/27/06	76.97	14.35	62.62
MW-5	09/28/06	76.97	---	---
MW-5	12/26/06	76.97	13.32	63.65
MW-5	03/29/07	76.97	13.22	63.75
MW-5	07/06/07	76.97	17.88	59.09
MW-5	09/18/07	76.97	19.00	57.97
MW-5	12/17/07	76.97	18.25	58.72
MW-5	02/27/08	76.97	17.32	59.65
MW-5	05/28/08	76.97	17.94	59.03
MW-5	09/19/08	76.97	16.32	60.65
MW-5	04/12/08	76.97	15.80	61.17
MW-5	02/25/09	76.97	12.41	64.56
MW-5	05/26/09	76.97	13.28	63.69
MW-5	09/18/09	76.97	14.35	62.62
MW-5	03/16/10	76.97	17.46	59.51
MW-5	09/27/10	76.97	18.90	58.07
MW-5	03/25/11	76.97	16.82	60.15

240 MacArthur Boulevard

MW-1	Aug-97	79.15	16.83	62.32
MW-1	Dec-97	79.15	---	---
MW-1	Mar-98	79.15	13.58	65.57
MW-1	Jul-98	79.15	15.55	63.60
MW-1	Oct-98	79.15	15.70	63.45

TABLE 4
CUMULATIVE GROUNDWATER MONITORING DATA
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID	Measuring Date	TOC Elevation (feet below msl)	Depth to Water (feet below TOC)	Groundwater Elevation (feet below msl)
MW-1	Jan-99	79.15	15.21	63.94
MW-1	Jun-00	79.15	15.41	63.74
MW-1	Dec-00	79.15	---	---
MW-1	Feb-01	79.15	---	---
MW-1	May-01	79.15	15.57	63.58
MW-1	Jul-01	79.15	16.42	62.73
MW-1	Oct-01	79.15	16.82	62.33
MW-1	Dec-01	79.15	15.08	64.07
MW-1	Mar-02	79.15	14.53	64.62
MW-1	May-02	79.15	---	---
MW-1	Jul-02	79.15	16.39	62.76
MW-1	Oct-02	79.15	17.03	62.12
MW-1	Jan-03	79.15	14.91	64.24
MW-1	Mar-03	79.15	15.26	63.89
MW-1	Aug-03	79.15	16.24	62.91
MW-1	Dec-03	79.15	16.90	62.25
MW-1	Mar-04	79.15	14.33	64.82
MW-1	Jun-04	79.15	16.28	62.87
MW-1	Sep-04	79.15	17.03	62.12
MW-1	Dec-04	79.15	16.38	62.77
MW-1	Mar-05	79.15	14.30	64.85
MW-1	Jun-05	79.15	15.53	63.62
MW-1	Sep-05	79.15	16.42	62.73
MW-1	Dec-05	79.15	15.67	63.48
MW-1	Mar-06	79.15	12.75	66.40
MW-1	Jun-06	79.15	14.60	64.55
MW-1	Sep-06	79.15	16.52	62.63
MW-1	Dec-06	79.15	15.89	63.26
MW-1	Mar-07	79.15	15.50	63.65
MW-1	Jun-07	79.15	20.90	58.25
MW-1	Sep-07	79.15	23.30	55.85
MW-1	Dec-07	79.15	22.51	56.64
MW-1	Mar-08	79.15	20.70	58.45
MW-1	Jun-08	79.15	---	Dry
MW-1	Sep-08	79.15	22.20	56.95
MW-1	Dec-08	79.15	17.90	61.25
MW-1	Mar-09	79.15	14.93	64.22
MW-1	Sep-09	79.15	15.70	63.45
MW-1	Sep-10	79.15	23.36	55.79
MW-1	Apr-11	79.15	20.61	58.54
MW-1	Sep-11	79.15	22.86	56.29
MW-1	Mar-12	79.15	22.86	56.29
MW-1	Sep-12	79.15	19.50	59.65
MW-1	03/23/13	79.15	19.23	59.92
MW-1	01/26/16	79.15	18.83	60.32
MW-2	Aug-97	78.45	16.32	62.13
MW-2	Dec-97	78.45	---	---
MW-2	Mar-98	78.45	13.05	65.40
MW-2	Jul-98	78.45	14.95	63.50
MW-2	Oct-98	78.45	15.09	63.36
MW-2	Jan-99	78.45	14.61	63.84
MW-2	Jun-00	78.45	14.80	63.65
MW-2	Dec-00	78.45	---	---
MW-2	Feb-01	78.45	---	---
MW-2	May-01	78.45	14.98	63.47
MW-2	Jul-01	78.45	15.86	62.59
MW-2	Oct-01	78.45	16.69	61.76

TABLE 4
CUMULATIVE GROUNDWATER MONITORING DATA
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID	Measuring Date	TOC Elevation (feet below msl)	Depth to Water (feet below TOC)	Groundwater Elevation (feet below msl)
MW-2	Dec-01	78.45	13.49	64.96
MW-2	Mar-02	78.45	13.07	65.38
MW-2	May-02	78.45	---	---
MW-2	Jul-02	78.45	15.86	62.59
MW-2	Oct-02	78.45	16.54	61.91
MW-2	Jan-03	78.45	14.37	64.08
MW-2	Mar-03	78.45	14.74	63.71
MW-2	Aug-03	78.45	15.75	62.70
MW-2	Dec-03	78.45	16.11	62.34
MW-2	Mar-04	78.45	13.83	64.62
MW-2	Jun-04	78.45	15.76	62.69
MW-2	Sep-04	78.45	16.48	61.97
MW-2	Dec-04	78.45	15.74	62.71
MW-2	Mar-05	78.45	13.48	64.97
MW-2	Jun-05	78.45	14.48	63.97
MW-2	Sep-05	78.45	16.00	62.45
MW-2	Dec-05	78.45	14.88	63.57
MW-2	Mar-06	78.45	12.20	66.25
MW-2	Jun-06	78.45	14.15	64.30
MW-2	Sep-06	78.45	16.00	62.45
MW-2	Dec-06	78.45	15.19	63.26
MW-2	Mar-07	78.45	14.78	63.67
MW-2	Jun-07	78.45	20.60	57.85
MW-2	Sep-07	78.45	23.80	54.65
MW-2	Dec-07	78.45	22.36	56.09
MW-2	Mar-08	78.45	20.15	58.30
MW-2	Jun-08	78.45	20.60	57.85
MW-2	Sep-08	78.45	22.23	56.22
MW-2	Dec-08	78.45	17.94	60.51
MW-2	Mar-09	78.45	14.45	64.00
MW-2	Sep-09	78.45	15.90	62.55
MW-2	Sep-10	78.45	23.51	54.94
MW-2	Apr-11	78.45	20.64	57.81
MW-2	Sep-11	78.45	23.05	55.40
MW-2	Mar-12	78.45	23.05	55.40
MW-2	Sep-12	78.45	19.56	58.89
MW-2	03/23/13	78.45	19.35	59.10
MW-2	01/26/16	78.45	18.67	59.78
MW-3	Aug-97	77.58	15.36	62.22
MW-3	Dec-97	77.58	---	---
MW-3	Mar-98	77.58	12.18	65.40
MW-3	Jul-98	77.58	14.08	63.50
MW-3	Oct-98	77.58	14.24	63.34
MW-3	Jan-99	77.58	13.74	63.84
MW-3	Jun-00	77.58	13.94	63.64
MW-3	Dec-00	77.58	---	---
MW-3	Feb-01	77.58	---	---
MW-3	May-01	77.58	14.08	63.50
MW-3	Jul-01	77.58	14.99	62.59
MW-3	Oct-01	77.58	16.26	61.32
MW-3	Dec-01	77.58	13.62	63.96
MW-3	Mar-02	77.58	13.19	64.39
MW-3	May-02	77.58	---	---
MW-3	Jul-02	77.58	14.97	62.61
MW-3	Oct-02	77.58	15.44	62.14
MW-3	Jan-03	77.58	13.49	64.09
MW-3	Mar-03	77.58	13.83	63.75

TABLE 4
CUMULATIVE GROUNDWATER MONITORING DATA
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID	Measuring Date	TOC Elevation (feet below msl)	Depth to Water (feet below TOC)	Groundwater Elevation (feet below msl)
MW-3	Aug-03	77.58	14.90	62.68
MW-3	Dec-03	77.58	15.10	62.48
MW-3	Mar-04	77.58	12.93	64.65
MW-3	Jun-04	77.58	14.90	62.68
MW-3	Sep-04	77.58	15.61	61.97
MW-3	Dec-04	77.58	14.77	62.81
MW-3	Mar-05	77.58	12.60	64.98
MW-3	Jun-05	77.58	13.73	63.85
MW-3	Sep-05	77.58	15.14	62.44
MW-3	Dec-05	77.58	13.94	63.64
MW-3	Mar-06	77.58	11.25	66.33
MW-3	Jun-06	77.58	13.27	64.31
MW-3	Sep-06	77.58	15.12	62.46
MW-3	Dec-06	77.58	14.34	63.24
MW-3	Mar-07	77.58	13.96	63.62
MW-3	Jun-07	77.58	19.60	57.98
MW-3	Sep-07	77.58	22.90	54.68
MW-3	Dec-07	77.58	21.45	56.13
MW-3	Mar-08	77.58	19.20	58.38
MW-3	Jun-08	77.58	18.80	58.78
MW-3	Sep-08	77.58	21.97	55.61
MW-3	Dec-08	77.58	16.74	60.84
MW-3	Mar-09	77.58	13.68	63.90
MW-3	Sep-09	77.58	15.10	62.48
MW-3	Sep-10	77.58	22.53	55.05
MW-3	Apr-11	77.58	19.80	57.78
MW-3	Sep-11	77.58	22.12	55.46
MW-3	Mar-12	77.58	22.12	55.46
MW-3	Sep-12	77.58	19.88	57.70
MW-3	03/23/13	77.58	18.55	59.03
MW-3	01/26/16	77.58	18.09	59.49
MW-4	Aug-97	77.74	---	---
MW-4	Dec-97	77.74	---	---
MW-4	Mar-98	77.74	11.87	65.87
MW-4	Jul-98	77.74	13.90	63.84
MW-4	Oct-98	77.74	14.10	63.64
MW-4	Jan-99	77.74	13.56	64.18
MW-4	Jun-00	77.74	13.75	63.99
MW-4	Dec-00	77.74	---	---
MW-4	Feb-01	77.74	---	---
MW-4	May-01	77.74	13.65	64.09
MW-4	Jul-01	77.74	14.87	62.87
MW-4	Oct-01	77.74	15.78	61.96
MW-4	Dec-01	77.74	13.54	64.20
MW-4	Mar-02	77.74	13.02	64.72
MW-4	May-02	77.74	---	---
MW-4	Jul-02	77.74	14.81	62.93
MW-4	Oct-02	77.74	15.56	62.18
MW-4	Jan-03	77.74	13.39	64.35
MW-4	Mar-03	77.74	13.75	63.99
MW-4	Aug-03	77.74	14.75	62.99
MW-4	Dec-03	77.74	15.11	62.63
MW-4	Mar-04	77.74	12.78	64.96
MW-4	Jun-04	77.74	14.68	63.06
MW-4	Sep-04	77.74	15.17	62.57
MW-4	Dec-04	77.74	14.90	62.84
MW-4	Mar-05	77.74	12.57	65.17

TABLE 4
CUMULATIVE GROUNDWATER MONITORING DATA
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID	Measuring Date	TOC Elevation (feet below msl)	Depth to Water (feet below TOC)	Groundwater Elevation (feet below msl)
MW-4	Jun-05	77.74	13.43	64.31
MW-4	Sep-05	77.74	15.13	62.61
MW-4	Dec-05	77.74	13.83	63.91
MW-4	Mar-06	77.74	10.90	66.84
MW-4	Jun-06	77.74	13.02	64.72
MW-4	Sep-06	77.74	15.16	62.58
MW-4	Dec-06	77.74	14.35	63.39
MW-4	Mar-07	77.74	13.85	63.89
MW-4	Jun-07	77.74	18.41	59.33
MW-4	Sep-07	77.74	19.36	58.38
MW-4	Dec-07	77.74	19.13	58.61
MW-4	Mar-08	77.74	17.91	59.83
MW-4	Jun-08	77.74	18.23	59.51
MW-4	Sep-08	77.74	19.89	57.85
MW-4	Dec-08	77.74	16.41	61.33
MW-4	Mar-09	77.74	13.30	64.44
MW-4	Sep-09	77.74	14.88	62.86
MW-4	Sep-10	77.74	19.63	58.11
MW-4	Apr-11	77.74	17.90	59.84
MW-4	Sep-11	77.74	19.20	58.54
MW-4	Mar-12	77.74	19.20	58.54
MW-4	Sep-12	77.74	17.97	59.77
MW-4	03/23/13	77.74	17.63	60.11
MW-4	01/26/16	77.74	17.58	60.16
MW-5	Feb-01	79.36	---	---
MW-5	May-01	79.36	15.65	63.71
MW-5	Jul-01	79.36	16.50	62.86
MW-5	Oct-01	79.36	17.46	61.90
MW-5	Dec-01	79.36	15.28	64.08
MW-5	Mar-02	79.36	14.62	64.74
MW-5	May-02	79.36	---	---
MW-5	Jul-02	79.36	16.46	62.90
MW-5	Oct-02	79.36	17.18	62.18
MW-5	Jan-03	79.36	14.99	64.37
MW-5	Mar-03	79.36	15.33	64.03
MW-5	Aug-03	79.36	16.34	63.02
MW-5	Dec-03	79.36	16.90	62.46
MW-5	Mar-04	79.36	14.44	64.92
MW-5	Jun-04	79.36	16.43	62.93
MW-5	Sep-04	79.36	17.07	62.29
MW-5	Dec-04	79.36	16.59	62.77
MW-5	Mar-05	79.36	14.08	65.28
MW-5	Jun-05	79.36	15.33	64.03
MW-5	Sep-05	79.36	16.61	62.75
MW-5	Dec-05	79.36	15.81	63.55
MW-5	Mar-06	79.36	12.75	66.61
MW-5	Jun-06	79.36	14.65	64.71
MW-5	Sep-06	79.36	16.66	62.70
MW-5	Dec-06	79.36	16.10	63.26
MW-5	Mar-07	79.36	15.22	64.14
MW-5	Jun-07	79.36	19.29	60.07
MW-5	Sep-07	79.36	---	Dry
MW-5	Dec-07	79.36	---	Dry
MW-5	Mar-08	79.36	---	Dry
MW-5	Jun-08	79.36	---	Dry
MW-5	Sep-08	79.36	---	Dry
MW-5	Dec-08	79.36	17.81	61.55

TABLE 4
CUMULATIVE GROUNDWATER MONITORING DATA
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID	Measuring Date	TOC Elevation (feet below msl)	Depth to Water (feet below TOC)	Groundwater Elevation (feet below msl)
MW-5	Mar-09	79.36	15.02	64.34
MW-5	Sep-09	79.36	16.50	62.86 (c)
MW-5	Sep-10	79.36	19.23	60.13
MW-5	Apr-11	79.36	---	Dry
MW-5	Sep-11	79.36	---	Dry
MW-5	Mar-12	79.36	---	Dry
MW-5	Sep-12	79.36	19.27	Dry
MW-5	03/23/13	79.36	19.13	60.23
MW-5	01/26/16	79.36	18.96	60.40
MW-6	Feb-01	78.43	---	---
MW-6	May-01	78.43	15.54	62.89
MW-6	Jul-01	78.43	15.56	62.87
MW-6	Oct-01	78.43	16.41	62.02
MW-6	Dec-01	78.43	14.37	64.06
MW-6	01/30/02	Surveyed by Virgil Chavez Land Surveying of Vallejo, CA.		
MW-6	Mar-02	78.43	13.75	64.68
MW-6	May-02	78.43	---	---
MW-6	Jul-02	78.43	15.55	62.88
MW-6	Oct-02	78.43	16.24	62.19
MW-6	Jan-03	78.43	14.17	64.26
MW-6	Mar-03	78.43	14.52	63.91
MW-6	Aug-03	78.43	15.50	62.93
MW-6	Dec-03	78.43	16.19	62.24
MW-6	Mar-04	78.43	13.51	64.92
MW-6	Jun-04	78.43	15.42	63.01
MW-6	Sep-04	78.43	16.13	62.30
MW-6	Dec-04	78.43	15.40	63.03
MW-6	Mar-05	78.43	13.28	65.15
MW-6	Jun-05	78.43	14.14	64.29
MW-6	Sep-05	78.43	15.61	62.82
MW-6	Dec-05	78.43	14.90	63.53
MW-6	Mar-06	78.43	11.85	66.58
MW-6	Jun-06	78.43	13.73	64.70
MW-6	Sep-06	78.43	15.71	62.72
MW-6	Dec-06	78.43	15.15	63.28
MW-6	Mar-07	78.43	14.58	63.85
MW-6	Jun-07	78.43	19.40	59.03
MW-6	Sep-07	78.43	20.00	Dry
MW-6	Dec-07	78.43	---	Dry
MW-6	Mar-08	78.43	---	Dry
MW-6	Jun-08	78.43	---	Dry
MW-6	Sep-08	78.43	---	Dry
MW-6	Dec-08	78.43	16.91	61.52
MW-6	Mar-09	78.43	14.32	64.11
MW-6	Sep-09	78.43	15.55	62.88
MW-6	Sep-10	78.43	19.23	59.20
MW-6	Apr-11	78.43	---	Dry
MW-6	Sep-11	78.43	---	Dry
MW-6	Mar-12	78.43	---	Dry
MW-6	Sep-12	78.43	19.06	59.37
MW-6	03/23/13	78.43	18.87	59.56
MW-6	01/26/16	78.43	18.79	59.64
MW-7	Feb-01	78.27	---	---
MW-7	May-01	78.27	15.04	63.23
MW-7	Jul-01	78.27	15.69	62.58
MW-7	Oct-01	78.27	16.59	61.68

TABLE 4
CUMULATIVE GROUNDWATER MONITORING DATA
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID	Measuring Date	TOC Elevation (feet below msl)	Depth to Water (feet below TOC)	Groundwater Elevation (feet below msl)
MW-7	Dec-01	78.27	14.30	63.97
MW-7	Mar-02	78.27	13.87	64.40
MW-7	May-02	78.27	---	---
MW-7	Jul-02	78.27	15.72	62.55
MW-7	Oct-02	78.27	16.36	61.91
MW-7	Jan-03	78.27	14.22	64.05
MW-7	Mar-03	78.27	14.57	63.70
MW-7	Aug-03	78.27	15.61	62.66
MW-7	Dec-03	78.27	16.04	62.23
MW-7	Mar-04	78.27	13.57	64.70
MW-7	Jun-04	78.27	15.63	62.64
MW-7	Sep-04	78.27	16.33	61.94
MW-7	Dec-04	78.27	15.70	62.57
MW-7	Mar-05	78.27	13.42	64.85
MW-7	Jun-05	78.27	14.53	63.74
MW-7	Sep-05	78.27	15.81	62.46
MW-7	Dec-05	78.27	14.88	63.39
MW-7	Mar-06	78.27	13.00	65.27
MW-7	Jun-06	78.27	13.98	64.29
MW-7	Sep-06	78.27	15.82	62.45
MW-7	Dec-06	78.27	15.12	63.15
MW-7	Mar-07	78.27	14.66	63.61
MW-7	Jun-07	78.27	19.18	59.09
MW-7	Sep-07	78.27	19.96	Dry
MW-7	Dec-07	78.27	---	Dry
MW-7	Mar-08	78.27	---	Dry
MW-7	Jun-08	78.27	---	Dry
MW-7	Sep-08	78.27	---	Dry
MW-7	Dec-08	78.27	17.25	61.02
MW-7	Mar-09	78.27	14.30	63.97
MW-7	Sep-09	78.27	15.71	62.56
MW-7	Sep-10	78.27	19.52	58.75
MW-7	Apr-11	78.27	---	Dry
MW-7	Sep-11	78.27	---	Dry
MW-7	Mar-12	78.27	---	Dry
MW-7	Sep-12	78.27	18.78	59.49
MW-7	03/23/13	78.27	18.70	59.57
MW-7	01/26/16	78.27	17.65	60.62
MW-8	May-01	76.39	12.75	63.64
MW-8	Jul-01	76.39	13.84	62.55
MW-8	Oct-01	76.39	14.65	61.74
MW-8	Dec-01	76.39	12.39	64.00
MW-8	01/30/02	Surveyed by Virgil Chavez Land Surveying of Vallejo, CA.		
MW-8	Mar-02	76.39	11.89	64.50
MW-8	May-02	76.39	---	---
MW-8	Jul-02	76.39	13.96	62.43
MW-8	Oct-02	76.39	14.48	61.91
MW-8	Jan-03	76.39	12.49	63.90
MW-8	Mar-03	76.39	12.85	63.54
MW-8	Aug-03	76.39	13.75	62.64
MW-8	Dec-03	76.39	14.50	61.89
MW-8	Mar-04	76.39	11.78	64.61
MW-8	Jun-04	76.39	13.71	62.68
MW-8	Sep-04	76.39	14.43	61.96
MW-8	Dec-04	76.39	13.64	62.75
MW-8	Mar-05	76.39	11.52	64.87
MW-8	Jun-05	76.39	12.50	63.89

TABLE 4
CUMULATIVE GROUNDWATER MONITORING DATA
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID	Measuring Date	TOC Elevation (feet below msl)	Depth to Water (feet below TOC)	Groundwater Elevation (feet below msl)
MW-8	Sep-05	76.39	13.90	62.49
MW-8	Dec-05	76.39	12.75	63.64
MW-8	Mar-06	76.39	10.80	65.59
MW-8	Jun-06	76.39	12.10	64.29
MW-8	Sep-06	76.39	13.93	62.46
MW-8	Dec-06	76.39	13.12	63.27
MW-8	Mar-07	76.39	12.76	63.63
MW-8	Jun-07	76.39	18.40	Dry
MW-8	Sep-07	76.39	19.12	Dry
MW-8	Dec-07	76.39	---	Dry
MW-8	Mar-08	76.39	---	Dry
MW-8	Jun-08	76.39	---	Dry
MW-8	Sep-08	76.39	---	Dry
MW-8	Dec-08	76.39	17.21	59.18
MW-8	Mar-09	76.39	12.60	63.79
MW-8	Sep-09	76.39	13.95	62.44
MW-8	Sep-10	76.39	19.29	57.10
MW-8	Apr-11	76.39	---	Dry
MW-8	Sep-11	76.39	---	Dry
MW-8	Mar-12	76.39	18.38	58.01
MW-8	Sep-12	76.39	17.98	58.41
MW-8	03/23/13	76.39	17.77	58.62
MW-8	01/26/16	76.39	17.07	59.32

Notes: Data prior to August 2003 at 240 MacArthur Boulevard are likely not valid as well elevations were not surveyed.
msl = Mean sea level.
TOC = Top of casing.

TABLE 5A
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

		5520E&F	8015B			8260B	8021B/8260B				8021B	8260B
Well ID	Date Sampled	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	TPPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	MTBE (µg/L)
230 MacArthur Boulevard												
MW-1	07/14/88	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	04/10/88	---	---	---	ND	---	8	4.3	ND	9	---	---
MW-1	10/11/88	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	09/12/88	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	10/01/89	---	---	---	ND	---	ND	ND	ND	---	---	---
MW-1	01/20/89	---	---	---	ND	---	ND	---	---	ND	---	---
MW-1	06/02/89	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	10/03/89	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	06/06/89	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	07/09/89	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	12/18/89	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	08/03/90	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	07/06/90	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	05/09/90	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	03/12/90	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	01/03/91	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	03/06/91	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	04/09/91	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	03/13/92	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	03/06/92	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	08/19/92	---	---	---	87	---	ND	ND	ND	ND	---	---
MW-1	11/16/92	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	02/18/93	---	---	---	59e	---	ND	ND	ND	ND	---	---
MW-1	01/06/93	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	08/30/93	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	12/13/93	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	03/03/94	---	---	---	100	---	ND	ND	ND	ND	---	---
MW-1	06/06/94	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	12/09/94	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	12/15/94	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	03/13/95	---	---	---	60	---	4.7	9.8	ND	2.9	---	---
MW-1	04/21/95	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	06/26/95	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	12/09/95	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-1	03/21/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	ND	---
MW-1	06/28/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<2.5	---
MW-1	09/19/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<2.5	---
MW-1	12/19/96	---	---	---	---	---	---	---	---	---	---	---
MW-1	05/12/97	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/24/98	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/23/99	---	---	---	---	---	---	---	---	---	---	---
MW-1	11/12/00	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/27/01	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/03/02	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/14/02	---	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0
MW-1	06/13/02	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/09/02	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/12/02	---	---	---	---	---	---	---	---	---	---	---
MW-1	10/03/03	---	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0
MW-1	10/06/03	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/16/03	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/12/03	---	---	---	---	---	---	---	---	---	---	---
MW-1	11/03/04	---	---	---	---	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50
MW-1	06/17/04	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/13/04	---	---	---	---	---	---	---	---	---	---	---
MW-1	07/12/04	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/03/05	---	---	---	---	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50
MW-1	06/14/05	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/19/05	---	---	---	---	---	---	---	---	---	---	---

TABLE 5A
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	5520E&F O&G (µg/L)	8015B TPHmo (µg/L)	8015B TPHd (µg/L)	8015B TPHg (µg/L)	8260B TPPH (µg/L)	8021B/8260B B (µg/L)	8021B/8260B T (µg/L)	8021B/8260B E (µg/L)	8021B/8260B X (µg/L)	8021B MTBE (µg/L)	8260B MTBE (µg/L)
MW-1		03/30/06	---	---	---	---	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500
MW-1		09/27/06	---	---	---	---	---	---	---	---	---	---	---
MW-1		09/28/06	---	---	---	---	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500
MW-1		12/26/06	---	---	---	---	---	---	---	---	---	---	---
MW-1		03/29/07	---	---	---	---	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0
MW-1		07/06/07	---	---	---	---	---	---	---	---	---	---	---
MW-1		09/18/07	---	---	---	---	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0
MW-1		12/17/07	---	---	---	---	---	---	---	---	---	---	---
MW-1		02/27/08	---	---	---	---	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0
MW-1		05/28/08	---	---	---	---	---	---	---	---	---	---	---
MW-1		09/19/08	---	---	---	---	59	<0.50	<1.0	<1.0	<1.0	---	<1.0
MW-1		04/12/08	---	---	---	---	---	---	---	---	---	---	---
MW-1		02/25/09	---	---	---	---	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0
MW-1		05/26/09	---	---	---	---	---	---	---	---	---	---	---
MW-1		09/18/09	---	---	---	---	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0
MW-1		03/16/10	---	---	---	---	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0
MW-1		09/27/10	---	---	---	---	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0
MW-1		03/25/11	---	---	---	---	<50	<0.50	<.0.50	<0.50	<1.0	---	<1.0
MW-2		07/14/88	---	---	---	ND	---	7.9	2.6	1.1	4	---	---
MW-2		04/10/88	---	---	---	90	---	ND	1.3	2.3	12	---	---
MW-2		10/11/88	---	---	---	ND	---	ND	ND	ND	2	---	---
MW-2		09/12/88	---	---	---	ND	---	ND	0.6	ND	3	---	---
MW-2		01/20/89	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		06/02/89	---	---	---	---	---	ND	ND	ND	ND	---	---
MW-2		10/03/89	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		06/06/89	---	---	---	ND	---	ND	0.5	ND	ND	---	---
MW-2		07/09/89	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		12/18/89	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		08/03/90	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		07/06/90	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		05/09/90	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		03/12/90	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		01/03/91	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		03/06/91	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		04/09/91	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		03/13/92	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		03/06/92	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		08/19/92	---	---	---	67	---	ND	ND	ND	ND	---	---
MW-2		11/16/92	---	---	---	50	---	ND	ND	ND	1.2	---	---
MW-2		02/18/93	---	---	---	52e	---	ND	ND	ND	ND	---	---
MW-2	Dup	02/18/93	---	---	---	52e	---	ND	ND	ND	ND	---	---
MW-2		01/06/93	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		08/30/93	---	---	---	70e	---	ND	ND	ND	ND	---	---
MW-2		12/13/93	---	---	---	68e	---	ND	ND	ND	ND	---	---
MW-2		03/03/94	---	---	---	280e	---	ND	ND	ND	ND	---	---
MW-2		06/06/94	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		12/09/94	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		12/15/94	---	---	---	230e	---	ND	ND	ND	ND	---	---
MW-2		03/13/95	---	---	---	ND	---	2.9	6.3	ND	2.7	---	---
MW-2		04/21/95	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		06/26/95	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		12/09/95	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-2		03/21/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	ND	---
MW-2		06/28/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	160	---
MW-2		09/19/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	27	---
MW-2		12/19/96	---	---	---	---	---	---	---	---	---	---	---
MW-2		05/12/97	---	---	---	---	---	---	---	---	---	---	---
MW-2		12/24/98	---	---	---	---	---	---	---	---	---	---	---
MW-2		12/23/99	---	---	---	---	---	---	---	---	---	---	---
MW-2		11/12/00	---	---	---	---	---	---	---	---	---	---	---

TABLE 5A
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	5520E&F O&G (µg/L)	8015B TPHmo (µg/L)	8015B TPHd (µg/L)	8015B TPHg (µg/L)	8260B TPPH (µg/L)	8021B/8260B B (µg/L)	8021B/8260B T (µg/L)	8021B/8260B E (µg/L)	8021B/8260B X (µg/L)	8021B MTBE (µg/L)	8260B MTBE (µg/L)
MW-2		12/27/01	---	---	---	---	---	---	---	---	---	---	95
MW-2		03/14/02	---	---	---	---	120	<0.50	<0.50	<0.50	<0.50	---	31
MW-2		06/13/02	---	---	---	---	100	<0.50	<0.50	<0.50	<0.50	---	32
MW-2		09/09/02	---	---	---	---	90	<0.50	<0.50	<0.50	<0.50	---	54
MW-2		12/12/02	---	---	---	---	92	<0.50	<0.50	<0.50	<0.50	---	21
MW-2		10/03/03	---	---	---	---	110	<0.50	<0.50	<0.50	<0.50	---	33
MW-2		10/06/03	---	---	---	---	<50	<0.50	<0.50	<0.50	<1.0	---	49
MW-2		09/16/03	---	---	---	---	<50	<0.50	<0.50	<0.50	<1.0	---	39
MW-2		03/12/03	---	---	---	---	56e	<0.50	<0.50	<0.50	<1.0	---	3.6
MW-2		11/03/04	---	---	---	---	58e	<0.50	<0.50	<0.50	<1.0	---	67
MW-2		06/17/04	---	---	---	---	<50	<0.50	<0.50	<0.50	<1.0	---	40
MW-2		09/13/04	---	---	---	---	68 l	<0.50	<0.50	<0.50	<1.0	---	44
MW-2		07/12/04	---	---	---	---	<50e	<0.50	<0.50	<0.50	<1.0	---	54
MW-2		03/03/05	---	---	---	---	110e	<0.50	<0.50	<0.50	<1.0	---	82
MW-2		06/14/05	---	---	---	---	<50e	<0.50	<0.50	<0.50	<1.0	---	29
MW-2		09/19/05	---	---	---	---	<50	<0.50	<0.50	<0.50	<1.0	---	31
MW-2		03/30/06	---	---	---	---	<50.0	<0.500	<0.500	<0.500	<0.500	---	39.1
MW-2		09/27/06	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/28/06	---	---	---	---	<50.0	<0.500	<0.500	<0.500	<0.500	---	16.7
MW-2		12/26/06	---	---	---	---	---	---	---	---	---	---	---
MW-2		03/29/07	---	---	---	---	<50	<0.50	<1.0	<1.0	<1.0	---	13
MW-2		07/06/07	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/18/07	---	---	---	---	72	<0.50	<1.0	<1.0	<1.0	---	1.3
MW-2		12/17/07	---	---	---	---	---	---	---	---	---	---	---
MW-2		02/27/08	---	---	---	---	60	<0.50	<1.0	<1.0	<1.0	---	18
MW-2		05/28/08	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/19/08	---	---	---	---	210	<0.50	<1.0	<1.0	<1.0	---	15
MW-2		04/12/08	---	---	---	---	---	---	---	---	---	---	---
MW-2		02/25/09	---	---	---	---	120	<0.50	<1.0	<1.0	<1.0	---	11
MW-2		05/26/09	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/18/09	---	---	---	---	130	<0.50	<1.0	<1.0	<1.0	---	5.6
MW-2		03/16/10	---	---	---	---	110	<0.50	<1.0	<1.0	<1.0	---	7.6
MW-2		09/27/10	---	---	---	---	270	<0.50	<1.0	<1.0	<1.0	---	<1.0
MW-2		03/25/11	---	---	---	---	120m	<0.50	<0.50	<0.50	<1.0	---	1.8
MW-3		07/14/88	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		04/10/88	---	---	---	ND	---	ND	ND	ND	5	---	---
MW-3		10/11/88	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		09/12/88	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		10/01/89	---	---	---	ND	---	ND	ND	ND	---	---	---
MW-3		01/20/89	---	---	---	---	---	---	ND	ND	ND	---	---
MW-3		06/02/89	---	---	---	70	---	ND	ND	ND	ND	---	---
MW-3		10/03/89	---	---	---	150	---	ND	ND	ND	ND	---	---
MW-3		06/06/89	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		07/09/89	---	---	---	ND	---	0.65	ND	ND	ND	---	---
MW-3		12/18/89	---	---	---	46	---	1.3	ND	0.44	0.66	---	---
MW-3		08/03/90	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		07/06/90	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		05/09/90	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		03/12/90	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		01/03/91	---	---	---	1.9	---	59	ND	22	ND	---	---
MW-3		03/06/91	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		04/09/91	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		03/13/92	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		03/06/92	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		08/19/92	---	---	---	92	---	ND	ND	ND	ND	---	---
MW-3	Dup	08/19/92	---	---	---	76	---	ND	ND	ND	ND	---	---
MW-3		11/16/92	---	---	---	200e	---	ND	ND	ND	ND	---	---
MW-3	Dup	11/16/92	---	---	---	140e	---	ND	ND	ND	ND	---	---
MW-3		02/18/93	---	---	---	680e	---	ND	ND	ND	ND	---	---
MW-3		01/06/93	---	---	---	160e	---	ND	ND	ND	ND	---	---

TABLE 5A
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	5520E&F	8015B			8260B	8021B/8260B				8021B	8260B
			O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	TPPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	MTBE (µg/L)
MW-3	Dup	01/06/93	---	---	---	150e	---	ND	ND	ND	ND	---	---
MW-3		08/30/93	---	---	---	110e	---	ND	ND	ND	ND	---	---
MW-3		12/13/93	---	---	---	140e	---	ND	ND	ND	ND	---	---
MW-3	Dup	12/13/93	---	---	---	110e	---	ND	ND	ND	ND	---	---
MW-3		03/03/94	---	---	---	61e	---	ND	ND	ND	ND	---	---
MW-3		06/06/94	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		12/09/94	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		12/15/94	---	---	---	ND	---	ND	0.9	ND	0.6	---	---
MW-3		03/13/95	---	---	---	100e	---	7.9	17	0.7	6.1	---	---
MW-3		04/21/95	---	---	---	60	---	0.9	1.1	ND	1	---	---
MW-3		06/26/95	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		09/12/95	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-3		03/21/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	17	---
MW-3		06/28/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-3		09/19/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<2.5	---
MW-3		12/19/96	---	---	---	---	---	---	---	---	---	---	---
MW-3		05/12/97	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/24/98	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/23/99	---	---	---	---	---	---	---	---	---	---	---
MW-3		11/12/00	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/27/01	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/03/02	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/14/02	---	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	---	40
MW-3		06/13/02	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/09/02	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/12/02	---	---	---	---	---	---	---	---	---	---	---
MW-3		10/03/03	---	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	---	5.4
MW-3		10/06/03	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/16/03	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/12/03	---	---	---	---	---	---	---	---	---	---	---
MW-3		11/03/04	---	---	---	---	<50	<0.50	<0.50	<0.50	<1.0	---	3.5
MW-3		06/17/04	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/13/04	---	---	---	---	---	---	---	---	---	---	---
MW-3		07/12/04	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/03/05	---	---	---	---	120	1.3	<0.50	<0.50	2.7	---	2.3
MW-3		06/14/05	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/19/05	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/30/06	---	---	---	---	<50.0	<0.500	<0.500	<0.500	<0.500	---	1.72
MW-3		09/27/06	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/28/06	---	---	---	---	610	<0.500	<0.500	<0.500	<0.500	---	2.83
MW-3		12/26/06	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/29/07	---	---	---	---	<50	<0.50	<1.0	<1.0	<1.0	---	0.78k
MW-3		07/06/07	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/18/07	---	---	---	---	<50	<0.50	<1.0	<1.0	<1.0	---	1.1
MW-3		12/17/07	---	---	---	---	---	---	---	---	---	---	---
MW-3		02/27/08	---	---	---	---	<50	<0.50	<1.0	<1.0	<1.0	---	1.4
MW-3		05/28/08	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/19/08	---	---	---	---	100	<0.50	<1.0	<1.0	<1.0	---	<1.0
MW-3		04/12/08	---	---	---	---	---	---	---	---	---	---	---
MW-3		02/25/09	---	---	---	---	88	<0.50	<1.0	<1.0	<1.0	---	<1.0
MW-3		05/26/09	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/18/09	---	---	---	---	330	<0.50	<1.0	<1.0	<1.0	---	<1.0
MW-3		03/16/10	---	---	---	---	170	<0.50	<1.0	<1.0	<1.0	---	<1.0
MW-3		09/27/10	---	---	---	---	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0
MW-3		03/25/11	---	---	---	---	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0
MW-4		01/23/90	---	---	---	1,600	---	100	10	30	20	---	---
MW-4		08/03/90	---	---	---	4,200	---	260	18	88	39	---	---
MW-4		07/06/90	---	---	---	2,000	---	150	6.9	14	17	---	---
MW-4		05/09/90	---	---	---	1,700	---	130	10	7.2	19	---	---
MW-4		03/12/90	---	---	---	2,600	---	108	41	17	59	---	---

TABLE 5A
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
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Oakland, California

Well ID		Date Sampled	5520E&F O&G (µg/L)	8015B TPHmo (µg/L)	8015B TPHd (µg/L)	8015B TPHg (µg/L)	8260B TPPH (µg/L)	8021B/8260B B (µg/L)	8021B/8260B T (µg/L)	8021B/8260B E (µg/L)	8021B/8260B X (µg/L)	8021B MTBE (µg/L)	8260B MTBE (µg/L)
MW-4		03/06/91	---	---	---	2,800	---	160	15	8.8	32	---	---
MW-4		04/09/91	Well not sampled due to presence of sheen.										
MW-4		03/13/92	---	---	---	2,700	---	180	70	5.9	29	---	---
MW-4		03/06/92	---	---	---	1,700	---	190	ND	30	23	---	---
MW-4		08/19/92	---	---	---	170	---	4.2	ND	0.6	1	---	---
MW-4		11/16/92	---	---	---	2,600	---	92	49	50	81	---	---
MW-4		02/18/93	---	---	---	7,400	---	120	38	51	87	---	---
MW-4		01/06/93	---	---	---	7,000	---	1,800	1,700	1,600	1,700	---	---
MW-4		08/30/93	---	---	---	2,100	---	80	11	ND	11	---	---
MW-4	Dup	08/30/93	---	---	---	2,100	---	77	5.6	ND	5.5	---	---
MW-4		12/13/93	---	---	---	2,000e	---	20	ND	21	52	---	---
MW-4		03/03/94	---	---	---	3,500	---	150	86	85	90	---	---
MW-4	Dup	03/03/94	---	---	---	3,200	---	130	73	74	76	---	---
MW-4		06/06/94	---	---	---	590	---	25	ND	ND	ND	---	---
MW-4	Dup	06/06/94	---	---	---	400	---	16	ND	ND	ND	---	---
MW-4		12/09/94	---	---	---	1,800	---	42	ND	3.7	4.7	---	---
MW-4	Dup	12/09/94	---	---	---	2,000	---	40	ND	5.7	8	---	---
MW-4		12/15/94	---	---	---	2,900	---	78	14	94	17	---	---
MW-4	Dup	12/15/94	---	---	---	2,900	---	90	7	96	18	---	---
MW-4		03/13/95	---	---	---	2,700	---	240	24	99	34	---	---
MW-4	Dup	03/13/95	---	---	---	2,500	---	300	24	140	28	---	---
MW-4		06/25/95	---	---	---	2,100	---	87	10	67	25	---	---
MW-4	Dup	06/25/95	---	---	---	2,300	---	92	12	74	26	---	---
MW-4		09/12/95	---	---	---	1,300	---	33	13	9.3	15	---	---
MW-4	Dup	09/12/95	---	---	---	1,500	---	2.1	16	11	17	---	---
MW-4		03/21/96	---	---	---	2,100	---	50	3.2	40	5.4	ND	---
MW-4	Dup	03/21/96	---	---	---	1,700	---	24	<0.5	39	7.2	740	---
MW-4		06/28/96	---	---	---	1,300	---	61	6.2	53	11	1,000	---
MW-4	Dup	06/28/96	---	---	---	1,200	---	29	6.2	50	8.3	1,000	---
MW-4		09/19/96	---	---	---	820	---	12	<2.5	2.8	4.3	720	---
MW-4	Dup	09/19/96	---	---	---	580	---	9.6	<2.5	<2.5	<2.5	760	1,200
MW-4		12/19/96	---	---	---	1,200	---	28	<5.0	<5.0	<5.0	<25	---
MW-4		05/12/97	---	---	---	1,900	---	36	9	16	18	630	---
MW-4		12/24/98	---	---	---	1,100	---	23	5.3	38	7.9	1,100	---
MW-4		12/17/99	---	---	---	1,100	---	22	21	13	11	3,800	3,200
MW-4		12/23/99	---	---	---	---	---	---	---	---	---	---	---
MW-4		11/12/00	---	---	---	975	---	25.0	11.3	<5.00	<5.00	1,960	1,730k
MW-4		12/27/01	---	---	---	---	2,000	9.9	<5.0	18	<5.0	---	1,400
MW-4		03/14/02	---	---	---	---	1,700	6.6	<2.0	2.1	2.1	---	1,100
MW-4		06/13/02	---	---	---	---	1,200	4.7	<2.0	<2.0	<2.0	---	1,100
MW-4		09/09/02	---	---	---	---	620	3.7	<2.0	<2.0	<2.0	---	760
MW-4		12/12/02	---	---	---	---	1,500	3.9	<2.0	<2.0	<2.0	---	880
MW-4		10/03/03	---	---	---	---	2,300	5.7	0.95	3.8	0.63	---	1,200
MW-4		10/06/03	---	---	---	---	2,200	5.3	<5.0	<5.0	<10	---	880
MW-4		09/16/03	---	---	---	---	1,400	<5.0	<5.0	<5.0	<10	---	420
MW-4		03/12/03	---	---	---	---	2,600	5.0	<5.0	<5.0	<10	---	840
MW-4		11/03/04	---	---	---	---	1,900e	6.3	<5.0	<5.0	<10	---	800
MW-4		06/17/04	---	---	---	---	1,000	7.4	<2.5	<2.5	<5.0	---	460
MW-4		09/13/04	---	---	---	---	1,100	4.6	<2.5	<2.5	<5.0	---	300
MW-4		07/12/04	---	---	---	---	2,200	4.6	<2.5	<2.5	<5.0	---	430
MW-4		03/03/05	---	---	---	---	2,500	5.3	<2.5	<2.5	<5.0	---	620
MW-4		06/14/05	---	---	---	---	<50	<0.50	<0.50	<0.50	<1.0	---	51
MW-4		09/19/05	---	---	---	---	1,200	2.7	<0.50	<0.50	<1.0	---	140
MW-4		03/30/06	---	---	---	---	2,740	2.01	<0.500	<0.500	<0.500	---	222
MW-4		09/27/06	---	---	---	---	---	---	---	---	---	---	---
MW-4		09/28/06	---	---	---	---	1,660	0.950	<0.500	<0.500	<0.500	---	73.3
MW-4		12/26/06	---	---	---	---	---	---	---	---	---	---	---
MW-4		03/29/07	---	---	---	---	2,100	12	0.49k	<1.0	0.21k	---	150
MW-4		07/06/07	---	---	---	---	---	---	---	---	---	---	---
MW-4		09/18/07	---	---	---	---	330	1.7	<1.0	<1.0	<1.0	---	9.2
MW-4		12/17/07	---	---	---	---	---	---	---	---	---	---	---

TABLE 5A
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID	Date Sampled	5520E&F O&G (µg/L)	8015B TPHmo (µg/L)	8015B TPHd (µg/L)	8015B TPHg (µg/L)	8260B TPPH (µg/L)	8021B/8260B B (µg/L)	8021B/8260B T (µg/L)	8021B/8260B E (µg/L)	8021B/8260B X (µg/L)	8021B MTBE (µg/L)	8260B MTBE (µg/L)
MW-4	02/27/08	---	---	---	---	210	0.61	<1.0	<1.0	<1.0	---	<1.0
MW-4	05/28/08	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/19/08	---	---	---	---	200	4.5	<1.0	<1.0	1.3	---	8.9
MW-4	04/12/08	---	---	---	---	---	---	---	---	---	---	---
MW-4	02/25/09	---	---	---	---	1,700	12	<2.0	4.2	<2.0	---	160
MW-4	05/26/09	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/18/09	---	---	---	---	1,300	0.72	<1.0	<1.0	<1.0	---	150
MW-4	03/16/10	---	---	---	---	300	1.2	<1.0	<1.0	<1.0	---	2.4
MW-4	09/27/10	---	---	---	---	150	1.3	<1.0	<1.0	<1.0	---	6.6
MW-4	03/25/11	---	---	---	---	770	9.5	0.59	11	1.3	---	2.3
MW-5	09/22/06	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/27/06	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/28/06	---	---	---	---	10,800	36.6	2.08	119	9.04	---	15.1
MW-5	12/26/06	---	---	---	---	5,000	150	5.2	70	16	---	35
MW-5	03/29/07	---	---	---	---	7,700	320	10	77	19.0k	---	32
MW-5	07/06/07	---	---	---	---	7,600	47	4.6	71	13.7	---	40
MW-5	09/18/07	---	---	---	---	4,300	7.0	1.1	20	1.93k	---	21
MW-5	12/17/07	---	---	---	---	6,900	58.0	9.9	410	15.8	---	<5.0
MW-5	02/27/08	---	---	---	---	6,500	100	13	510	32.1	---	26
MW-5	05/28/08	---	---	---	---	3,200	66	5.7	140	6.7	---	46
MW-5	09/19/08	---	---	---	---	3,200	110	6.3	110	12.0	---	<1.0
MW-5	04/12/08	---	---	---	---	5,900	250	14	220	28.3	---	<2.0
MW-5	02/25/09	---	---	---	---	7,400	430	28	240	73	---	17
MW-5	05/26/09	---	---	---	---	6,800	190	18	210	83	---	5.5
MW-5	09/18/09	---	---	---	---	4,200	44	<5.0	140	20	---	6.0
MW-5	03/16/10	---	---	---	---	15,000	64	5.7	280	21	---	6.4
MW-5	09/27/10	---	---	---	---	6,100	82	<10	65	13	---	<10
MW-5	03/25/11	---	---	---	---	7,600	150	10	270	43	---	<5.0
Grab Groundwater Samples												
1989 Groundwater survey												
GS-1	10/17/89	---	---	---	<50	---	<0.5	<0.5	<0.6	<1.5	---	---
GS-2	10/17/89	---	---	---	5,600	---	340	27	1,200	62	---	---
GS-3	10/17/89	---	---	---	8,800	---	380	6	580	42	---	---
1990 Subsurface Investigation												
Probe 1	05/19/90	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
Probe 2	05/19/90	---	---	---	25,000	---	280	290	160	470	---	---
Probe 3	05/19/90	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
Probe 4	05/19/90	---	---	---	<50	---	5	<0.5	2	<0.5	---	---
Probe 5	05/19/90	---	---	---	<50	---	1	2	1	4	---	---
Probe 6	05/19/90	---	---	---	31,000	---	430	600	240	1,400	---	---
2004 Subsurface Investigation												
SB-1-W	03/24/04	---	---	---	---	10,000	430	75	98	44	---	110
SB-2-W	03/24/04	---	---	---	---	520	4.9	<1.0	<1.0	<2.0	---	320
2006 Subsurface Investigation												
SB-4-W1	05/04/06	---	---	---	---	<50.0	<1.00	50.4	3.92	13.3	---	29.2
SB-7-W1	06/04/06	---	---	---	---	<50.0	<1.00	<1.00	<1.00	<3.00	---	<1.00
SB-8-W1	06/04/06	---	---	---	---	34,000	404	22.5	110	56.8	---	15.0
2008 Subsurface Investigation												
SB-9	01/02/08	---	---	---	---	1,700	<0.50	<1.0	<1.0	<1.0	---	120
SB-10	01/02/08	---	---	---	---	<50	<0.50	<1.0	<1.0	<1.0	---	94
SB-11	01/02/08	---	---	---	---	<50	<0.50	14	<1.0	<1.0	---	2.6
SB-12	01/02/08	---	---	---	---	4,900	120	11	170	42.2	---	33
2017 Subsurface Investigation												
B2	09/09/17	---	<52	<52	92e	---	<0.50	2.1	<1.0	<2.0	---	<1.0
B3	09/09/17	---	<52	<52	<50	**---**	<0.50	<0.50	<1.0	<2.0	**---**	<1.0
240 MacArthur Boulevard												
MW-1	08/08/97	---	---	<1,000	1,140	---	110	16	15	112	43	---

TABLE 5A
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	5520E&F O&G (µg/L)	8015B TPHmo (µg/L)	8015B TPHd (µg/L)	8015B TPHg (µg/L)	8260B TPPH (µg/L)	8021B/8260B B (µg/L)	8021B/8260B T (µg/L)	8021B/8260B E (µg/L)	8021B/8260B X (µg/L)	8021B MTBE (µg/L)	8260B MTBE (µg/L)
MW-1		12/03/97	---	---	---	ND	---	ND	ND	ND	31	---	---
MW-1		03/16/98	---	---	---	370	---	8.9	<0.5	<0.5	2.2	18	---
MW-1		Jul-98	---	---	---	6,400	---	1,300	23	3.7	58	97	---
MW-1		Oct-98	---	---	---	2,500	---	360	44	1.3	150	<0.5	---
MW-1		Jan-99	---	---	---	2,700	---	1,200	28	140	78	130	---
MW-1		Jun-00	---	---	---	27,000	---	5,200	500	320	3,100	1,300	---
MW-1		Dec-00	---	---	---	976,000	---	2,490	1,420	3,640	10,100	<150	---
MW-1		Feb-01	---	---	---	---	---	---	---	---	---	---	---
MW-1		May-01	---	---	---	20,000	---	2,900	310	230	1,900	<30	---
MW-1		Jul-01	---	---	---	92,000	---	2,900	580	2,800	20,000	560	---
MW-1	HV-	10/22/01	---	---	---	20,000	---	3,700	560	410	4,600	2,600	---
MW-1	HV+	10/26/01	---	---	---	<0.05	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-1		Dec-01	---	---	---	3,300	---	200	12	5.7	43	44	---
MW-1	NP	Mar-02	---	---	---	4,600	---	820	4.4	100	300	210	---
MW-1	NP	May-02	---	---	---	1,600	---	100	23	20	190	7.7	---
MW-1	NP	Jul-02	---	---	---	2,300	---	250	15	13	180	180	---
MW-1	NP	Oct-02	---	---	---	1,820	---	222	16	<0.3	59	58	---
MW-1	NP	Jan-03	---	---	---	2,880	---	188	<50	<50	157	20	---
MW-1	NP	Mar-03	---	---	---	6,700	---	607	64	64	288	<0.18	---
MW-1	NP	Aug-03	---	---	5,000	4,900	---	740	45	85	250	14	---
MW-1		Dec-03	---	---	800	8,930	---	1,030	55	127	253	212	---
MW-1		Mar-04	---	---	1,100	11,300	---	483	97	122	452	67	---
MW-1		Jun-04	---	---	4,000	9,300	---	1,700	75	92	350	6.0	
MW-1		Sep-04	---	---	97	9,100	---	920	19	82	201	---	7.2
MW-1		Dec-04	---	---	3,300	11,000	---	830	21	74	118	---	7.9
MW-1		Mar-05	---	---	3,500	4,700	---	450	28	42	97	---	6.7
MW-1		Jun-05	---	---	6,800	21,000	---	1,900	270	320	2,800	---	<13
MW-1		Sep-05	---	---	2,500	23,000	---	2,100	100	200	880	---	<2.5
MW-1		Dec-05	---	---	3,000	4,300	---	500	22	72	228	---	5.5
MW-1		Mar-06	---	---	3,000	11,000	---	340	45	89	630	---	4.3
MW-1		Jun-06	---	---	8,500	21,000	---	1,600	160	170	1,000	---	<2.5
MW-1		Sep-06	---	---	6,200	13,000	---	1,700	76	110	440	---	<13
MW-1		Dec-06	---	---	4,100	16,000	---	1,500	100	160	670	---	<13
MW-1		Mar-07	---	---	6,200	22,000	---	1,700	140	180	1,100	---	<13
MW-1		Jun-07	---	---	1,500	3,600	---	210	10	19	61	---	3.2
MW-1		Sep-07	---	---	1,700	1,400	---	50	<0.5	1.3	<0.5	---	4.1
MW-1		Dec-07	---	---	840	2,700	---	170	5.5	7.5	34.6	---	3.1
MW-1		Mar-08	---	---	1,000	2,300	---	77	<2.5	8.2	10	---	<2.5
MW-1	NP	Jun-08	---	---	---	---	---	---	---	---	---	---	---
MW-1		Sep-08	---	---	2,600	1,700	---	170	5	3	19	---	<1.3
MW-1		Dec-08	---	---	1,100	4,300	---	180	6.7	12	27.3	---	<1.3
MW-1		Mar-09	---	---	5,200	9,200	---	84	6.4	29	54.0	---	1.0
MW-1		Sep-09	---	---	5,200	4,300	---	370	14.0	52	33.0	---	0.5
MW-1		Sep-10	---	---	2,100	3,400	---	190	10.0	16	84.0	---	2.5
MW-1		Apr-11	---	---	1,400	2,500	---	75	2.3	9	24.3	---	<0.5
MW-1		Sep-11	---	---	410	2,100	---	200	10.0	13	49.0	---	<1.3
MW-1		Mar-12	---	---	570	2,800	---	91	4.1	9	23.1	---	<1.6
MW-1		09/07/12	---	---	950	1,200	---	43	4.2	8.1	40.0	---	<0.5
MW-1		03/20/13	---	---	940	560	---	40	2.5	4.5	25.3	---	<0.5
MW-1		01/26/16	---	---	<53	150	---	2.4	<0.5	<0.5	1.6	---	<0.5
MW-2		08/08/97	---	---	<1,000	5,350	---	108	36	33	144	925	---
MW-2		12/03/97	---	---	---	1,600	---	73	ND	ND	ND	---	---
MW-2		03/16/98	---	---	---	3,400	---	830	100	210	240	870	---
MW-2		Jul-98	---	---	---	3,100	---	25	2.2	<0.5	0.9	1,900	---
MW-2		Oct-98	---	---	---	4,300	---	<0.5	1.2	<0.5	1	4,200	---
MW-2		Jan-99	---	---	---	2,900	---	160	8.9	6.9	78.4	2,100	---
MW-2		Jun-00	---	---	---	2,700	---	200	17	30	16	680	---
MW-2		Dec-00	---	---	---	3,020	---	56.7	<1.5	<1.5	<3.0	3,040	---
MW-2		Feb-01	---	---	---	---	---	---	---	---	---	---	---
MW-2		May-01	---	---	---	720	---	49	<3.0	4.6	<3.0	380	---

TABLE 5A
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	5520E&F O&G (µg/L)	8015B TPHmo (µg/L)	8015B TPHd (µg/L)	8015B TPHg (µg/L)	8260B TPPH (µg/L)	8021B/8260B B (µg/L)	8021B/8260B T (µg/L)	8021B/8260B E (µg/L)	8021B/8260B X (µg/L)	8021B MTBE (µg/L)	8260B MTBE (µg/L)
MW-2		Jul-01	---	---	---	8,400	---	350	44	77	78	550	---
MW-2	HV-	10/22/01	---	---	---	850	---	170	4.9	5.1	14	260	---
MW-2	HV+	10/26/01	---	---	---	770	---	86	5.5	9.6	8.5	310	---
MW-2		Dec-01	---	---	---	1,300	---	9.2	<2.0	<2.0	<2.0	370	---
MW-2	NP	Mar-02	---	---	---	1,300	---	76	3.8	21	15	460	---
MW-2	NP	May-02	---	---	---	320	---	12	1.1	4.6	4.8	160	---
MW-2	NP	Jul-02	---	---	---	1,300	---	130	1	9.4	5.6	420	---
MW-2	NP	Oct-02	---	---	---	1,060	---	12	2.2	4.2	3.5	270	---
MW-2	NP	Jan-03	---	---	---	581	---	6.5	<5.0	<5.0	<5.0	130	---
MW-2	NP	Mar-03	---	---	---	1,250	---	<0.22	<0.32	<0.31	<0.4	155	---
MW-2	NP	Aug-03	---	---	730	2,200	---	58	9.2	<0.5	28	240	---
MW-2		Dec-03	---	---	100	1,980	---	29	22.0	7.4	13	295	---
MW-2		Mar-04	---	---	100	2,700	---	12	16.0	9	12	249	---
MW-2		Jun-04	---	---	370	1,200	---	42	0.7	2.6	0.9	170	---
MW-2		Sep-04	---	---	280	1,500	---	14	<0.5	<0.5	0.6	---	130
MW-2		Dec-04	---	---	540	1,400	---	26	1.1	1.8	3.5	---	91
MW-2		Mar-05	---	---	420	2,300	---	5.3	<1.0	3.7	<2.0	---	120
MW-2		Jun-05	---	---	500	1,600	---	14	<0.5	1.8	0.68	---	66
MW-2		Sep-05	---	---	210	1,400	---	30	1.3	12	26	---	58
MW-2		Dec-05	---	---	800	1,300	---	4.9	0.6	0.7	0.8	---	74
MW-2		Mar-06	---	---	400	1,300	---	3.2	<0.7	<0.7	<1.4	---	120
MW-2		Jun-06	---	---	1,200	1,400	---	33.0	1.3	3.5	<1.6	---	84
MW-2		Sep-06	---	---	1,600	8,300	---	67.0	4.1	4.6	15.4	---	64
MW-2		Dec-06	---	---	940	1,500	---	22.0	2.9	2.6	3.5	---	67
MW-2		Mar-07	---	---	760	1,200	---	65	1.9	3.7	1.6	---	59
MW-2		Jun-07	---	---	1,000	2,900	---	67	3.2	14.0	7.5	---	49
MW-2	NP	Sep-07	---	---	---	---	---	---	---	---	---	---	---
MW-2		Dec-07	---	---	510	1,200	---	14	<0.5	<0.5	0.5	---	33
MW-2		Mar-08	---	---	3,800	1,100	---	13	0.9	0.9	2.3	---	61
MW-2		Jun-08	---	---	4,300	2,400	---	3.9	2.2	3	9.4	---	73
MW-2		Sep-08	---	---	1,800	1,300	---	12	8.6	10	34.6	---	72
MW-2		Dec-08	---	---	620	2,100	---	46	22	39	73	---	41
MW-2		Mar-09	---	---	1,600	2,200	---	22	3	10	16	---	17
MW-2		Sep-09	---	---	940	750	---	11	1	5	3	---	11
MW-2		Sep-10	---	---	840	1,400	---	9	2.6	1.7	9.1	---	30
MW-2		Apr-11	---	---	520	810	---	<0.5	<0.5	<0.5	<0.5	---	22
MW-2		Sep-11	---	---	440	620	---	1.3	<0.5	10	0.9	---	9.1
MW-2		Mar-12	---	---	230	260	---	1.0	<0.5	1	<0.5	---	1.7
MW-2		09/07/12	---	---	230	820	---	12	6.8	19	47	---	0.5
MW-2		03/20/13	---	---	210	590	---	8.3	4.9	12	42.7	---	0.5
MW-2		01/26/16	---	---	120e	240	---	0.52	<0.5	0.72	0.71	---	<0.5
MW-3		08/08/97	---	---	<1,000	8,500	---	450	30	53	106	1,080	---
MW-3		12/03/97	---	---	---	5,200	---	180	6	5	9.3	---	---
MW-3		03/16/98	---	---	---	1,000	---	6.0	<0.5	<0.5	<0.5	810	---
MW-3		Jul-98	---	---	---	6,400	---	490	57	23	78	220	---
MW-3		Oct-98	---	---	---	2,100	---	<5.0	<5.0	<5.0	<5.0	2,100	---
MW-3		Jan-99	---	---	---	4,400	---	450	65	26	42	1,300	---
MW-3		Jun-00	---	---	---	1,700	---	110	13	34	13	96	---
MW-3		Dec-00	---	---	---	5,450	---	445	<7.5	23.8	<7.5	603	---
MW-3		Feb-01	---	---	---	---	---	---	---	---	---	---	---
MW-3		May-01	---	---	---	1,900	---	180	12	<3.0	19	330	---
MW-3		Jul-01	---	---	---	10,000	---	830	160	150	260	560	---
MW-3	HV-	10/22/01	---	---	---	1,400	---	240	7.8	4.1	15	220	---
MW-3	HV+	10/26/01	---	---	---	1,900	---	200	16	51	30	290	---
MW-3		Dec-01	---	---	---	5,800	---	93	<20	31	<20	330	---
MW-3	NP	Mar-02	---	---	---	1,900	---	220	16	31	24	400	---
MW-3	NP	May-02	---	---	---	1,600	---	110	3.4	29	14	320	---
MW-3	NP	Jul-02	---	---	---	1,900	---	210	27	30	55	200	---
MW-3	NP	Oct. 2002	---	---	---	3,030	---	178	19	6.2	36	178	---
MW-3	NP	Jan-03	---	---	---	2,980	---	47	<5.0	7.6	6.3	105	---

TABLE 5A
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	5520E&F O&G (µg/L)	8015B TPHmo (µg/L)	8015B TPHd (µg/L)	8015B TPHg (µg/L)	8260B TPPH (µg/L)	8021B/8260B B (µg/L)	8021B/8260B T (µg/L)	8021B/8260B E (µg/L)	8021B/8260B X (µg/L)	8021B MTBE (µg/L)	8260B MTBE (µg/L)
MW-3	NP	Mar-03	---	---	---	3,620	---	124	<0.32	22	12	139	---
MW-3	NP	Aug-03	---	---	2,400	3,800	---	170	28	31	31	170	---
MW-3		Dec-03	---	---	500	6,860	---	312	20	55	58	309	---
MW-3		Mar-04	---	---	500	5,490	---	82	34	46	49	249	---
MW-3		Jun-04	---	---	1,100	5,400	---	150	30	45	66	130	---
MW-3		Sep-04	---	---	1,500	5,400	---	70	3.2	16	13	---	110
MW-3		Dec-04	---	---	2,400	5,300	---	91	7.4	21	19	---	92
MW-3		Mar-05	---	---	2,000	4,700	---	19	1.1	10	3.7	---	76
MW-3		Jun-05	---	---	1,800	4,200	---	49	4.5	23	16	---	66
MW-3		Sep-05	---	---	950	5,000	---	60	3.1	12	26	---	59
MW-3		Dec-05	---	---	1,800	3,200	---	29	1.3	6.6	5.6	---	80
MW-3		Mar-06	---	---	1,200	4,100	---	24	1.1	8.5	3.4	---	99
MW-3		Jun-06	---	---	1,400	4,000	---	89.0	8.4	14.0	16.7	---	75
MW-3		Sep-06	---	---	2,600	6,100	---	190	15.0	24.0	59.0	---	51
MW-3		Dec-06	---	---	2,000	4,500	---	110	4.0	7.3	19.1	---	47
MW-3		Mar-07	---	---	2,400	3,800	---	90	3.7	9.8	11.1	---	51
MW-3		Jun-07	---	---	2,100	4,500	---	8.9	1.4	14.0	4.0	---	77
MW-3		Sep-07	---	---	---	4,000	---	4.6	<0.5	1.3	<0.5	---	75
MW-3		Dec-07	---	---	2,600	1,400	---	11.0	0.8	0.7	3.9	---	84
MW-3		Mar-08	---	---	9,600	1,700	---	19.0	<0.5	<0.5	0.6	---	100
MW-3		Jun-08	---	---	1,200	2,100	---	7.9	<0.5	<0.5	0.8	---	86
MW-3		Sep-08	---	---	2,600	1,700	---	170	5	3	19	---	<1.3
MW-3		Dec-08	---	---	1,100	4,300	---	180	6.7	12	27.3	---	<1.3
MW-3		Sep-08	---	---	4,300	1,400	---	14.0	<0.5	0.7	1.5	---	75
MW-3		Dec-08	---	---	4,100	1,700	---	79	1.6	5.2	10.6		47
MW-3		Mar-09	---	---	5,100	1,100	---	41	0.6	2.4	3.0		44
MW-3		Sep-09	---	---	1,700	1,100	---	23	<0.5	1.8	1.9		19
MW-3		Sep-10	---	---	890	1,300	---	<0.5	<0.5	<0.5	<0.5		7.3
MW-3		Apr-11	---	---	910	1,100	---	<0.5	<0.5	<0.5	<0.5		19.0
MW-3		Sep-11	---	---	860	660	---	<0.5	<0.5	<0.5	<0.5		9.0
MW-3		Mar-12	---	---	1,300	1,100	---	<0.5	<0.5	<0.5	0.6		1.4
MW-3		09/07/12	---	---	510	520	---	1.9	<0.5	<0.5	<0.5		<0.5
MW-3		03/20/13	---	---	250	380	---	<0.5	<0.5	<0.5	<0.5		<0.5
MW-3		01/26/16	---	---	430e	900	---	0.58	<0.5	<0.5	<0.5		<0.5
MW-4		08/08/97	---	---	<1,000	<500	---	<0.5	<0.5	<0.5	<1.5	<20	---
MW-4		12/03/97	---	---	---	ND	---	ND	ND	ND	ND	---	---
MW-4		03/16/98	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-4		Jul-98	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-4		Oct-98	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-4		Jan-99	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-4		Jun-00	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-4		Dec-00	---	---	---	<500	---	<0.3	<0.3	<0.6	<0.3	<0.3	---
MW-4		Feb-01	---	---	---	---	---	---	---	---	---	---	---
MW-4		May-01	---	---	---	<50	---	1.2	<0.3	0.55	1.2	2.9	---
MW-4		Jul-01	---	---	---	<5.0	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-4	HV-	10/22/01	---	---	---	<5.0	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-4	HV+	10/26/01	---	---	---	<5.0	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-4		Dec-01	---	---	---	ND	---	ND	ND	ND	ND	ND	---
MW-4	NP	Mar-02	---	---	---	<50	---	<1	<1	<1	<1	<1	---
MW-4	NP	May-02	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-4	NP	Jul-02	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-4	NP	Oct-02	---	---	---	<100	---	<0.3	<0.3	<0.3	<0.6	<0.3	---
MW-4	NP	Jan-03	---	---	---	<100	---	<0.3	<0.3	<0.3	<0.6	14	---
MW-4	NP	Mar-03	---	---	---	<15	---	<0.4	<0.02	<0.02	<0.06	5.2	---
MW-4	NP	Aug-03	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-4		Dec-03	---	---	---	63	---	<0.3	<0.3	<0.3	<0.6	<5.0	---
MW-4		Mar-04	---	---	---	<50	---	<0.3	<0.3	<0.3	<0.6	<5.0	---
MW-4		Jun-04	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	0.9	---
MW-4		Sep-04	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	2.3
MW-4		Dec-04	---	---	---	<50	---	---	---	---	---	---	---

TABLE 5A
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	5520E&F O&G (µg/L)	8015B TPHmo (µg/L)	8015B TPHd (µg/L)	8015B TPHg (µg/L)	8260B TPPH (µg/L)	8021B/8260B B (µg/L)	8021B/8260B T (µg/L)	8021B/8260B E (µg/L)	8021B/8260B X (µg/L)	8021B MTBE (µg/L)	8260B MTBE (µg/L)
MW-4		Mar-05	---	---	---	<50	---	---	---	---	---	---	---
MW-4		Jun-05	---	---	---	<50	---	---	---	---	---	---	---
MW-4		Sep-05	---	---	---	<50	---	---	---	---	---	---	---
MW-4		Dec-05	---	---	---	<50	---	---	---	---	---	---	---
MW-4		Mar-06	---	---	---	<50	---	---	---	---	---	---	---
MW-4		Jun-06	---	---	---	<50	---	---	---	---	---	---	---
MW-4		Sep-06	---	---	---	<50	---	---	---	---	---	---	---
MW-4		Dec-06	---	---	---	59	---	---	---	---	---	---	---
MW-4		Mar-07	---	---	---	<50	---	---	---	---	---	---	---
MW-4		Jun-07	---	---	---	57	---	---	---	---	---	---	---
MW-4		Sep-07	---	---	---	70	---	---	---	---	---	---	---
MW-4		Dec-07	---	---	---	90	---	---	---	---	---	---	---
MW-4		Mar-08	---	---	---	120	---	---	---	---	---	---	---
MW-4		Jun-08	---	---	---	190	---	---	---	---	---	---	---
MW-4		Sep-08	---	---	---	140	---	---	---	---	---	---	---
MW-4		Dec-08	---	---	---	130	---	---	---	---	---	---	---
MW-4		Mar-09	---	---	---	81	---	---	---	---	---	---	---
MW-4		Sep-09	---	---	---	<50	---	---	---	---	---	---	---
MW-4		Sep-10	---	---	---	160	---	---	---	---	---	---	---
MW-4		Apr-11	---	---	---	150	---	---	---	---	---	---	---
MW-4		Sep-11	---	---	---	130	---	---	---	---	---	---	---
MW-4		Mar-12	---	---	---	110	---	---	---	---	---	---	---
MW-4		09/07/12	---	---	---	100	---	---	---	---	---	---	---
MW-4		03/20/13	---	---	---	120	---	---	---	---	---	---	---
MW-4		01/26/16	---	---	<53	860d	---	<0.5	<0.5	<0.5	<0.5	---	<0.5
MW-5		02/14/01	---	---	---	5,660	---	76.9	21.1	47.3	312	<0.3	---
MW-5		May-01	---	---	---	22,000	---	2,600	480	220	2,700	<30	---
MW-5		Jul-01	---	---	---	72,000	---	3,500	1,100	4,300	22,000	2,500	---
MW-5	HV-	10/22/01	---	---	---	26,000	---	2,800	980	6,000	950	2,300	---
MW-5	HV+	10/26/01	---	---	---	17,000	---	1,200	470	2,900	440	900	---
MW-5		Dec-01	---	---	---	2,000	---	620	190	110	910	<20	---
MW-5	NP	Mar-02	---	---	---	8,800	---	1,200	72	7.4	350	1,200	---
MW-5	NP	May-02	---	---	---	2,000	---	150	38	21	260	13	---
MW-5	NP	Jul-02	---	---	---	4,200	---	480	68	29	280	450	---
MW-5	NP	Oct-02	---	---	---	5,370	---	236	45	23	39	135	---
MW-5	NP	Jan-03	---	---	---	8,270	---	615	156	174	1,010	<10	---
MW-5	NP	Mar-03	---	---	---	12,400	---	824	195	213	1,070	<0.18	---
MW-5	NP	Aug-03	---	---	10,000	18,000	---	950	290	330	1,820	<2.0	---
MW-5		Dec-03	---	---	800	11,900	---	627	263	288	1,230	595	---
MW-5		Mar-04	---	---	850	20,700	---	867	266	305	678	145	---
MW-5		Jun-04	---	---	1,700	12,000	---	920	240	260	1,150	<3.1	---
MW-5		Sep-04	---	---	1,900	13,000	---	580	240	260	1,260	---	<4.2
MW-5		Dec-04	---	---	3,300	16,000	---	730	200	250	1,100	---	<4.2
MW-5		Mar-05	---	---	4,600	6,300	---	190	28	42	280	---	<1.7
MW-5		Jun-05	---	---	4,100	16,000	---	1,100	260	380	1,590	---	<7.1
MW-5		Sep-05	---	---	3,600	15,000	---	810	210	300	1,300	---	<1.3
MW-5		Dec-05	---	---	3,600	9,600	---	270	80	110	710	---	<1.7
MW-5		Mar-06	---	---	5,100	9,800	---	240	47	97	590	---	<2.0
MW-5		Jun-06	---	---	4,900	28,000	---	920.0	250.0	350.0	1,480	---	<2.0
MW-5		Sep-06	---	---	2,400	12,000	---	580	170	230	980	---	<3.6
MW-5		Dec-06	---	---	3,400	15,000	---	510	160	260	1,190	---	<3.6
MW-5		Mar-07	---	---	4,600	20,000	---	910	230	360	1,560	---	<3.6
MW-5	NP	Jun-07	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Sep-07	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Dec-07	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Mar-08	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Jun-08	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Sep-08	---	---	---	---	---	---	---	---	---	---	---
MW-5		Dec-08	---	---	34,000	32,000	---	400	90	64	640	---	<6.3
MW-5		Mar-09	---	---	9,000	9,700	---	140	34	38	280	---	<107

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Bayrock Oakland
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Oakland, California

Well ID		Date Sampled	5520E&F O&G (µg/L)	8015B TPHmo (µg/L)	8015B TPHd (µg/L)	8015B TPHg (µg/L)	8260B TPPH (µg/L)	8021B/8260B B (µg/L)	8021B/8260B T (µg/L)	8021B/8260B E (µg/L)	8021B/8260B X (µg/L)	8021B MTBE (µg/L)	8260B MTBE (µg/L)
MW-5		Sep-09	---	---	44,000	210,000	---	730	160	270	2,000	---	<10
MW-5	NP	Sep-10	---	---	480,000	140,000	---	68	10.0	16	84.0	---	2.5
MW-5	NP	Apr-11	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Sep-11	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Mar-12	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	09/07/12	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	03/20/13	---	---	---	26,000	---	270	57	27	540	---	<2.5
MW-5		01/26/16	---	---	3,700	1,700	---	13	2.0	1.0	14	---	<0.5
MW-6		Feb-01	---	---	---	1,340	---	17	0.967	11.1	51.4	<0.3	---
MW-6		May-01	---	---	---	610	---	15	0.97	<0.5	46	<0.5	---
MW-6		Jul-01	---	---	---	2,500	---	130	4.7	53	170	120	---
MW-6	HV-	10/22/01	---	---	---	280	---	18	1.2	6.2	4.7	6	---
MW-6	HV+	10/26/01	---	---	---	3,600	---	210	20	170	62	120	---
MW-6		Dec-01	---	---	---	5,300	---	69	5.6	14	17	<2.0	---
MW-6	NP	Mar-02	---	---	---	71	---	54	4.2	27	17	8.5	---
MW-6	NP	May-02	---	---	---	150	---	9.3	<0.5	<0.5	<0.5	1.5	---
MW-6	NP	Jul-02	---	---	---	2,200	---	98	32	46	150	66	---
MW-6	NP	Oct-02	---	---	---	786	---	48	5.0	2.2	44	16	---
MW-6	NP	Jan-03	---	---	---	497	---	6.8	<5.0	<5.0	11	<1.0	---
MW-6	NP	Mar-03	---	---	---	258	---	5.4	<0.32	3.3	<1.1	<0.18	---
MW-6	NP	Aug-03	---	---	2,800	1,600	---	37	4	23	58	<0.5	---
MW-6		Dec-03	---	---	200	365	---	2.5	3.8	1.4	6.1	<5.0	---
MW-6		Mar-04	---	---	140	215	---	4.0	1.2	1.4	1.4	3.7	---
MW-6		Jun-04	---	---	830	710	---	14.0	0.7	5.2	6.6	<0.5	---
MW-6		Sep-04	---	---	600	350	---	<0.5	2.4	<0.5	<0.5	---	<0.5
MW-6		Dec-04	---	---	1,100	280	---	4.9	<0.5	1.4	4.4	---	<0.5
MW-6		Mar-05	---	---	980	300	---	5.4	<0.5	3.3	2.3	---	<0.5
MW-6		Jun-05	---	---	1,100	150	---	<0.5	<0.5	<0.5	0.77	---	28
MW-6		Sep-05	---	---	200	680	---	13	0.9	6.6	13	---	<0.5
MW-6		Dec-05	---	---	890	240	---	3.6	<0.5	0.7	2.4	---	0.5
MW-6		Mar-06	---	---	950	530	---	8.3	<0.5	4.0	2.1	---	0.6
MW-6		Jun-06	---	---	1,300	460	---	8.3	<0.5	1.4	2.6	---	<0.5
MW-6		Sep-06	---	---	730	530	---	10.0	0.8	4.1	7.5	---	<0.5
MW-6		Dec-06	---	---	750	500	---	7.5	<0.5	2.6	2.5	---	<0.5
MW-6		Mar-07	---	---	530	430	---	7.1	<0.5	1.7	0.8	---	<0.5
MW-6	NP	Jun-07	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Sep-07	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Dec-07	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Mar-08	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Jun-08	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Sep-08	---	---	---	---	---	---	---	---	---	---	---
MW-6		Dec-08	---	---	810	810	---	2.6	<0.5	0.8	3.1	---	1.1
MW-6		Mar-09	---	---	3,300	740	---	14.0	<0.5	1.6	8.6	---	2.6
MW-6		Sep-09	---	---	1,600	340	---	2.7	<0.5	0.9	1.2	---	1.3
MW-6	NP	Sep-10	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Apr-11	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Sep-11	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Mar-12	---	---	---	---	---	---	---	---	---	---	---
MW-6		09/07/12	---	---	---	1,100	---	16	0.6	1.8	3.1	---	1.1
MW-6		03/20/13	---	---	18,000	570	---	7.4	<0.5	1.0	0.7	---	0.9
MW-6		01/26/16	---	---	5,200	2,900	---	180	4.4	<1.7	20.8	---	<1.7
MW-7		02/14/01	---	---	---	<500	---	<0.3	<0.3	<0.3	<0.3	284	---
MW-7		May-01	---	---	---	<50	---	0.75	0.77	0.48	2.4	1.1	---
MW-7		Jul-01	---	---	---	<5.0	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-7	HV-	10/22/01	---	---	---	<5.0	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-7	HV+	10/26/01	---	---	---	6,000	---	170	550	110	120	970	---
MW-7		Dec-01	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	43	---
MW-7	NP	Mar-02	---	---	---	<50	---	<1.0	<1.0	<1.0	<1.0	<1.0	---
MW-7	NP	May-02	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---

TABLE 5A
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	5520E&F O&G (µg/L)	8015B TPHmo (µg/L)	8015B TPHd (µg/L)	8015B TPHg (µg/L)	8260B TPPH (µg/L)	8021B/8260B B (µg/L)	8021B/8260B T (µg/L)	8021B/8260B E (µg/L)	8021B/8260B X (µg/L)	8021B MTBE (µg/L)	8260B MTBE (µg/L)
MW-7	NP	Jul-02	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-7	NP	Oct-02	---	---	---	<100	---	<0.3	<0.3	<0.3	<0.6	<5.0	---
MW-7	NP	Jan-03	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Mar-03	---	---	---	<15	---	<0.04	<0.02	<0.02	<0.06	<0.03	---
MW-7	NP	Aug-03	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-7		Dec-03	---	---	---	<50	---	<0.3	<0.3	<0.3	<0.6	<5.0	---
MW-7		Mar-04	---	---	---	86	---	<0.3	<0.3	<0.3	<0.6	57	---
MW-7		Jun-04	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-7		Sep-04	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	<0.5
MW-7		Dec-04	---	---	---	<50	---	---	---	---	---	---	---
MW-7		Mar-05	---	---	---	<50	---	---	---	---	---	---	---
MW-7		Jun-05	---	---	---	<50	---	---	---	---	---	---	---
MW-7		Sep-05	---	---	---	<50	---	---	---	---	---	---	---
MW-7		Dec-05	---	---	---	<50	---	---	---	---	---	---	---
MW-7		Mar-06	---	---	---	<50	---	---	---	---	---	---	---
MW-7		Jun-06	---	---	---	<50	---	---	---	---	---	---	---
MW-7		Sep-06	---	---	---	<50	---	---	---	---	---	---	---
MW-7		Dec-06	---	---	---	<50	---	---	---	---	---	---	---
MW-7		Mar-07	---	---	---	<50	---	---	---	---	---	---	---
MW-7	NP	Jun-07	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Sep-07	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Dec-07	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Mar-08	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Jun-08	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Sep-08	---	---	---	---	---	---	---	---	---	---	---
MW-7		Dec-08	---	---	---	<50	---	---	---	---	---	---	---
MW-7		Mar-09	---	---	---	<50	---	---	---	---	---	---	---
MW-7		Sep-09	---	---	---	<50	---	---	---	---	---	---	---
MW-7	NP	Sep-10	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Apr-11	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Sep-11	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Mar-12	---	---	---	---	---	---	---	---	---	---	---
MW-7		09/07/12	---	---	---	<50	---	---	---	---	---	---	---
MW-7		03/20/13	---	---	---	<50	---	---	---	---	---	---	---
MW-7		01/26/16	---	---	<51	<50	---	<0.5	<0.5	<0.5	<0.5	---	<0.5
MW-8		02/14/01	---	---	---	1,000	---	3.97	<0.3	3.78	1.63	620	---
MW-8		May-01	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	4.4	---
MW-8		Jul-01	---	---	---	<5.0	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-8	HV-	10/22/01	---	---	---	<5.0	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-8	HV+	10/26/01	---	---	---	<5.0	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-8		Dec-01	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-8	NP	Mar-02	---	---	---	<50	---	<1.0	<1.0	<1.0	<1.0	<1.0	---
MW-8	NP	May-02	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-8	NP	Jul-02	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-8	NP	Oct-02	---	---	---	458	---	1.7	<0.3	<0.3	<0.6	233	---
MW-8	NP	Jan-03	---	---	---	<100	---	<0.3	<0.3	<0.3	<0.6	<5.0	---
MW-8	NP	Mar-03	---	---	---	<15	---	<0.22	<0.32	<0.31	<0.4	<0.18	---
MW-8	NP	Aug-03	---	---	<50	190	---	<0.5	<0.5	<0.5	0.6	<0.5	---
MW-8		Dec-03	---	---	<100	163	---	<0.3	<0.3	<0.3	<0.6	66	---
MW-8		Mar-04	---	---	<100	412	---	1.2	<0.3	1.7	3.9	66	---
MW-8		Jun-04	---	---	68	320	---	<0.5	<0.5	<0.5	<0.5	120	---
MW-8		Sep-04	---	---	2,600	280	---	<0.5	<0.5	<0.5	<0.5	---	120
MW-8		Dec-04	---	---	84	270	---	<0.5	<0.5	<0.5	<0.5	---	94
MW-8		Mar-05	---	---	120	270	---	<0.5	<0.5	<0.5	<1.0	---	66
MW-8		Jun-05	---	---	63	510	---	6.8	<0.5	2.4	5.3	---	<0.5
MW-8		Sep-05	---	---	<50	520	---	<0.5	<0.5	<0.5	<1.0	---	65
MW-8		Dec-05	---	---	57	65	---	<0.5	<0.5	<0.5	<1.0	---	29
MW-8		Mar-06	---	---	120	140	---	<0.5	<0.5	<0.5	0.6	---	24
MW-8		Jun-06	---	---	170	710	---	<0.5	<0.5	<0.5	<1.0	---	81
MW-8		Sep-06	---	---	260	330	---	<0.5	<0.5	<0.5	<0.5	---	44

TABLE 5A
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	5520E&F O&G (µg/L)	8015B TPHmo (µg/L)	8015B TPHd (µg/L)	8015B TPHg (µg/L)	8260B TPPH (µg/L)	8021B/8260B B (µg/L)	8021B/8260B T (µg/L)	8021B/8260B E (µg/L)	8021B/8260B X (µg/L)	8021B MTBE (µg/L)	8260B MTBE (µg/L)
MW-8		Dec-06	---	---	<50	63	---	<0.5	<0.5	<0.5	<0.5	---	21
MW-8		Mar-07	---	---	130	250	---	<0.5	<0.5	<0.5	0.5	---	5
MW-8	NP	Jun-07	---	---	150	320	---	5.2	<0.5	<0.5	0.7	---	89
MW-8	NP	Sep-07	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Dec-07	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Mar-08	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Jun-08	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Sep-08	---	---	---	---	---	---	---	---	---	---	---
MW-8		Dec-08	---	---	280	350	---	<0.5	<0.5	<0.5	<0.5	---	22
MW-8		Mar-09	---	---	1,000	110	---	<0.5	<0.5	<0.5	<0.5	---	5.2
MW-8		Sep-09	---	---	1,300	190	---	<0.5	<0.5	<0.5	<0.5	---	5.7
MW-8	NP	Sep-10	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Apr-11	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Sep-11	---	---	---	---	---	---	---	---	---	---	---
MW-8		Mar-12	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	1.1
MW-8		09/07/12	---	---	720	<50	---	<0.5	<0.5	<0.5	<0.5	---	<0.5
MW-8		03/20/13	---	---	340	<50	---	<0.5	<0.5	<0.5	<0.5	---	1.4
MW-8		01/26/16	---	---	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---	<0.5
Grab Groundwater Samples													
1997 Subsurface Investigation													
BH1W		01/08/97	---	---	490g,d,i	330c,i,n	---	2.0	0.72	<0.5	1.3	220	---
BH2W		01/08/97	<5,000i	---	320g,b,i	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---
BH4W		01/08/97	---	---	---	6,600b,d	---	58	13	110	270	170	---
BH6W		01/08/97	---	---	450,000d,h	13,000a,h	---	870	65	130	570	320	---
2004 Soil and Groundwater Investigation													
BH-10-GW		04/29/04	---	---	<100	78	---	1.4	6.5	1.8	7.0	20	---
BH-11-GW		04/29/04	---	---	<100	74	---	3.4	8.4	2.0	8.5	<5.0	---
BH-12-GW		04/29/04	---	---	<100	77	---	1.4	7.7	2.0	9.2	<5.0	---
BH-13-GW		04/29/04	---	---	300	68,300	---	617	527	668	4,680	548	---
BH-14-GW		04/29/04	---	---	170	923	---	13	5.1	6.1	8.5	189	---
BH-15-GW		04/29/04	---	---	<100	742	---	1.8	2.7	1.7	4.7	400	---
BH-16-GW		04/29/04	---	---	300	26,800	---	73	138	222	946	288	---
BH-17-GW		04/29/04	---	---	<100	206	---	<1.0	2.9j	<5	3.0j	143	---
BH-18-GW		04/29/04	---	---	1,000	3,220	---	<10	<10	76	232	348	---
BH-19-GW		04/29/04	---	---	1,300	10,000	---	24	<50	65	108	<10	---
BH-20-GW		04/29/04	---	---	2,700	122,000	---	1,830	69	227	1,430	18.0	---
BH-21-GW		04/29/04	---	---	1,900	10,300	---	485	70	474	2,620	<10	---
2007 Soil and Groundwater Investigation													
B24-GW		05/24/07	---	---	0.25	3,410	---	44	35	70	35	79.0	---
B25-GW		05/24/07	---	---	0.22	62	---	2.5	4.3	<0.09	<0.26	<0.75	---
B27-GW		05/23/07	---	---	<0.032	<5.6	---	<0.15	<0.12	<0.09	<0.26	191.0	---
B28-GW		05/24/07	---	---	<0.032	<5.6	---	<0.15	<0.12	<0.09	<0.26	588.0	---
B29-GW		05/24/07	---	---	<0.032	<5.6	---	<0.15	<0.12	<0.09	<0.26	<0.75	---
B30-GW		05/23/07	---	---	0.25	9,460	---	66	89	63	48	260.0	---
B31-GW		05/23/07	---	---	0.10	1,290	---	362	9.4	18	27	39.0	---
B32-GW		05/23/07	---	---	0.11	2,330	---	86	29	41	185	77.0	---
2017 Subsurface Investigation													
B1		09/09/17	---	170e	320e	<50	---	<0.50	1.3	<0.50	<2.0	---	<1.0

TABLE 5A
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Notes:

O&G	=	Oil and grease.
TPHd	=	Total petroleum hydrocarbons as diesel.
TPHg	=	Total petroleum hydrocarbons as gasoline.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes.
MTBE	=	Methyl tertiary butyl ether.
1,2-DCA	=	1,2-dichloroethane.
EDB	=	1,2-dibromoethane.
ETBE	=	Ethyl tertiary butyl ether.
DIPE	=	Di-isopropyl ether.
TAME	=	Tertiary amyl methyl ether.
TBA	=	Tertiary butyl alcohol.
c-1,2-DCA	=	cis-1,2-dichloroethane.
PCE	=	Tetrachloroethene.
TCE	=	Trichloroethene.
VOCs	=	Volatile organic compounds.
PAHs	=	Polyaromatic hydrocarbons.
ND	=	Not detected.
µg/L	=	Micrograms per cubic liter.
<	=	Less than the stated laboratory reporting limit.
---	=	Not sampled/Not analyzed.
NP	=	"No Purge" means no purging was conducted before the groundwater sample was collected.
HV-	=	Pre“hi-vac”
HV+	=	Post “hi-vac”
a	=	Unmodified or weakly modified gasoline is significant.
b	=	Heavier gasoline-range compounds are significant.
c	=	Lighter gasoline-range compounds (the most mobile fraction) are significant.
d	=	Gasoline-range compounds having broad chromatographic peaks are significant.
e	=	Chromatographic pattern does not match that of the specified standard.
f	=	Analyzed outside of recommended hold time.
g	=	Oil-range compounds are significant.
h	=	Lighter than water immeiscible sheen is present.
i	=	Liquid sample that contains greater than ~5 vol. % sediment.
j	=	Estimated value below the reporting limit and above the method detection limit.
k	=	Estimated value above the method dection limit but below the reporting limit.
l	=	Sample contains discrete peak in gasoline range.
m	=	Hydrocarbon result partly due to individual peak(s) in the quantitation range.
n	=	No recognizable pattern.

TABLE 5B
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID	Date Sampled	8260B EDB (µg/L)	1,2-DCA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Acetone (µg/L)	c-1,2-DCA (µg/L)	PCE (µg/L)	TCE (µg/L)	VOCs (µg/L)	8270 PAHs (µg/L)	6010 Total Lead (mg/L)
230 MacArthur Boulevard															
MW-1	07/14/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	04/10/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	10/11/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/12/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	10/01/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	01/20/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	06/02/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	10/03/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	06/06/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	07/09/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/18/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	08/03/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	07/06/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	05/09/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/12/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	01/03/91	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/06/91	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	04/09/91	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/13/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/06/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	08/19/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	11/16/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	02/18/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	01/06/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	08/30/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/13/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/03/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	06/06/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/09/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/15/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/13/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	04/21/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	06/26/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/09/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/21/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	06/28/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/19/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/19/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	05/12/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/24/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/23/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	11/12/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/27/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/03/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/14/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	06/13/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/09/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/12/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	10/03/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	10/06/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/16/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/12/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	11/03/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	06/17/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/13/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	07/12/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/03/05	---	---	<2.0	<2.0	<2.0	<5.0	---	---	---	---	---	---	---	---
MW-1	06/14/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 5B
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	8260B EDB (µg/L)	1,2-DCA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Acetone (µg/L)	c-1,2-DCA (µg/L)	PCE (µg/L)	TCE (µg/L)	VOCs (µg/L)	8270 PAHs (µg/L)	6010 Total Lead (mg/L)
MW-1		03/30/06	<0.500	<0.500	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		09/27/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		09/28/06	---	---	<0.500	<0.500	<0.500	<10.0	---	---	---	---	---	---	---	---
MW-1		12/26/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		03/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		07/06/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		09/18/07	---	---	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---
MW-1		12/17/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		02/27/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		05/28/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		09/19/08	---	---	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---
MW-1		04/12/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		02/25/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		05/26/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		09/18/09	---	---	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---
MW-1		03/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		09/27/10	---	---	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---
MW-1		03/25/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		07/14/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		04/10/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		10/11/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/12/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		01/20/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		06/02/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		10/03/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		06/06/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		07/09/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		12/18/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		08/03/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		07/06/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		05/09/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		03/12/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		01/03/91	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		03/06/91	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		04/09/91	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		03/13/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		03/06/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		08/19/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		11/16/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		02/18/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	Dup	02/18/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		01/06/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		08/30/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		12/13/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		03/03/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		06/06/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		12/09/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		12/15/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		03/13/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		04/21/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		06/26/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		12/09/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		03/21/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		06/28/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/19/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		12/19/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		05/12/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		12/24/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		12/23/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		11/12/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 5B
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	8260B EDB (µg/L)	1,2-DCA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Acetone (µg/L)	c-1,2-DCA (µg/L)	PCE (µg/L)	TCE (µg/L)	VOCs (µg/L)	8270 PAHs (µg/L)	6010 Total Lead (mg/L)
MW-2		12/27/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		03/14/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		06/13/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/09/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		12/12/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		10/03/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		10/06/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/16/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		03/12/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		11/03/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		06/17/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/13/04	---	---	<2.0	<2.0	<2.0	<5.0	---	---	---	---	---	---	---	---
MW-2		07/12/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		03/03/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		06/14/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/19/05	---	---	<2.0	<2.0	<2.0	5.6	---	---	---	---	---	---	---	---
MW-2		03/30/06	<0.500	<0.500	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/27/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/28/06	---	---	<0.500	<0.500	<0.500	<10.0	---	---	---	---	---	---	---	---
MW-2		12/26/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		03/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		07/06/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/18/07	---	---	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---
MW-2		12/17/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		02/27/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		05/28/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/19/08	---	---	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---
MW-2		04/12/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		02/25/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		05/26/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/18/09	---	---	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---
MW-2		03/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/27/10	---	---	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---
MW-2		03/25/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		07/14/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		04/10/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		10/11/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/12/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		10/01/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		01/20/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		06/02/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		10/03/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		06/06/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		07/09/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/18/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		08/03/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		07/06/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		05/09/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/12/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		01/03/91	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/06/91	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		04/09/91	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/13/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/06/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		08/19/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	Dup	08/19/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		11/16/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	Dup	11/16/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		02/18/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		01/06/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 5B
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	8260B EDB (µg/L)	1,2-DCA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Acetone (µg/L)	c-1,2-DCA (µg/L)	PCE (µg/L)	TCE (µg/L)	VOCs (µg/L)	8270 PAHs (µg/L)	6010 Total Lead (mg/L)
MW-3	Dup	01/06/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		08/30/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/13/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	Dup	12/13/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/03/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		06/06/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/09/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/15/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/13/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		04/21/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		06/26/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/12/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/21/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		06/28/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/19/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/19/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		05/12/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/24/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/23/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		11/12/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/27/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/03/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/14/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		06/13/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/09/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/12/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		10/03/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		10/06/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/16/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/12/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		11/03/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		06/17/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/13/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		07/12/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/03/05	---	---	<2.0	<2.0	<2.0	37	---	---	---	---	---	---	---	---
MW-3		06/14/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/30/06	<0.500	<0.500	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/27/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/28/06	---	---	<0.500	<0.500	<0.500	<10.0	---	---	---	---	---	---	---	---
MW-3		12/26/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		07/06/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/18/07	---	---	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---
MW-3		12/17/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		02/27/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		05/28/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/19/08	---	---	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---
MW-3		04/12/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		02/25/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		05/26/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/18/09	---	---	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---
MW-3		03/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/27/10	---	---	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---
MW-3		03/25/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		01/23/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		08/03/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		07/06/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		05/09/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		03/12/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 5B
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	8260B EDB (µg/L)	1,2-DCA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Acetone (µg/L)	c-1,2-DCA (µg/L)	PCE (µg/L)	TCE (µg/L)	VOCs (µg/L)	8270 PAHs (µg/L)	6010 Total Lead (mg/L)
MW-4		03/06/91	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		04/09/91														
MW-4		03/13/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		03/06/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		08/19/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		11/16/92	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		02/18/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		01/06/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		08/30/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	Dup	08/30/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		12/13/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		03/03/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	Dup	03/03/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		06/06/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	Dup	06/06/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		12/09/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	Dup	12/09/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		12/15/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	Dup	12/15/94	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		03/13/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	Dup	03/13/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		06/25/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	Dup	06/25/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		09/12/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	Dup	09/12/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		03/21/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	Dup	03/21/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		06/28/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	Dup	06/28/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		09/19/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	Dup	09/19/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		12/19/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		05/12/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		12/24/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		12/17/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		12/23/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		11/12/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		12/27/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		03/14/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		06/13/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		09/09/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		12/12/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		10/03/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		10/06/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		09/16/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		03/12/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		11/03/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		06/17/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		09/13/04	---	---	<10	<10	<10	160	---	---	---	---	---	---	---	---
MW-4		07/12/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		03/03/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		06/14/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		09/19/05	---	---	<2.0	8.4	<2.0	280	---	---	---	---	---	---	---	---
MW-4		03/30/06	<0.500	<0.500	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		09/27/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		09/28/06	---	---	<0.500	6.92	<0.500	77.0	---	---	---	---	---	---	---	---
MW-4		12/26/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		03/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		07/06/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		09/18/07	---	---	<2.0	0.86k	<2.0	<10	---	---	---	---	---	---	---	---
MW-4		12/17/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 5B
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID	Date Sampled	8260B EDB (µg/L)	1,2-DCA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Acetone (µg/L)	c-1,2-DCA (µg/L)	PCE (µg/L)	TCE (µg/L)	VOCs (µg/L)	8270 PAHs (µg/L)	6010 Total Lead (mg/L)
MW-4	02/27/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	05/28/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/19/08	---	---	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---
MW-4	04/12/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	02/25/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	05/26/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/18/09	---	---	<2.0	56	<2.0	160	---	---	---	---	---	---	---	---
MW-4	03/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/27/10	---	---	<2.0	<2.0	<2.0	<10	---	---	---	---	---	---	---	---
MW-4	03/25/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/22/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/27/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/28/06	---	---	<0.500	3.61	<0.500	<10.0	---	---	---	---	---	---	---	---
MW-5	12/26/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	03/29/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/06/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/18/07	---	---	<2.0	0.82k	<2.0	15	---	---	---	---	---	---	---	---
MW-5	12/17/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	02/27/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	05/28/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/19/08	---	---	<2.0	7.0	<2.0	10	---	---	---	---	---	---	---	---
MW-5	04/12/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	02/25/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	05/26/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/18/09	---	---	<10	<10	<10	<50	---	---	---	---	---	---	---	---
MW-5	03/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/27/10	---	---	<20	<20	<20	<100	---	---	---	---	---	---	---	---
MW-5	03/25/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Grab Groundwater Samples															
1989 Groundwater survey															
GS-1	10/17/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS-2	10/17/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GS-3	10/17/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1990 Subsurface Investigation															
Probe 1	05/19/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Probe 2	05/19/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Probe 3	05/19/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Probe 4	05/19/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Probe 5	05/19/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Probe 6	05/19/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2004 Subsurface Investigation															
SB-1-W	03/24/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-2-W	03/24/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2006 Subsurface Investigation															
SB-4-W1	05/04/06	---	---	<1.00	<1.00	<1.00	---	---	---	---	---	---	---	---	---
SB-7-W1	06/04/06	---	---	<1.00	<1.00	<1.00	---	---	---	---	---	---	---	---	---
SB-8-W1	06/04/06	---	---	<1.00	26.6	<1.00	---	---	---	---	---	---	---	---	---
2008 Subsurface Investigation															
SB-9	01/02/08	---	---	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---
SB-10	01/02/08	---	---	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---
SB-11	01/02/08	---	---	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---
SB-12	01/02/08	---	---	<2.0	11	<2.0	---	---	---	---	---	---	---	---	---
2017 Subsurface Investigation															
B2	09/09/17	<1.0	<0.50	<2.0	<2.0	<2.0	<10	<100	<20	7.4	11	2.0	ND	---	---
B3	09/09/17	<1.0	<0.50	<2.0	<2.0	<2.0	<10	<100	<20	3.3	1.3	<1.0	ND	**---**	**---**

TABLE 5B
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	8260B EDB (µg/L)	1,2-DCA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Acetone (µg/L)	c-1,2-DCA (µg/L)	PCE (µg/L)	TCE (µg/L)	VOCs (µg/L)	8270 PAHs (µg/L)	6010 Total Lead (mg/L)
240 MacArthur Boulevard																
MW-1		08/08/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		12/03/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		03/16/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Jul-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Oct-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Jan-99	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Jun-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Dec-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Feb-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Jul-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	HV-	10/22/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	HV+	10/26/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Dec-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	NP	Mar-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	NP	May-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	NP	Jul-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	NP	Oct-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	NP	Jan-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	NP	Mar-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	NP	Aug-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Dec-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Mar-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Jun-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Sep-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Dec-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Mar-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Jun-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Sep-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Dec-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Mar-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Jun-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Sep-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Dec-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Mar-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Jun-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Sep-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Dec-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Mar-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	NP	Jun-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Sep-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Dec-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Mar-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Sep-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Sep-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Apr-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Sep-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		Mar-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		09/07/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		03/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1		01/26/16	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1,000	---	---	---	---	---	---	---
MW-2		08/08/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		12/03/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		03/16/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Jul-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Oct-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Jan-99	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Jun-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 5B
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	8260B EDB (µg/L)	1,2-DCA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Acetone (µg/L)	c-1,2-DCA (µg/L)	PCE (µg/L)	TCE (µg/L)	VOCs (µg/L)	8270 PAHs (µg/L)	6010 Total Lead (mg/L)
MW-2		Dec-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Feb-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Jul-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	HV-	10/22/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	HV+	10/26/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Dec-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	NP	Mar-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	NP	May-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	NP	Jul-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	NP	Oct-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	NP	Jan-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	NP	Mar-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	NP	Aug-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Dec-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Mar-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Jun-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Sep-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Dec-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Mar-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Jun-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Sep-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Dec-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Mar-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Jun-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Sep-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Dec-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Mar-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Jun-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	NP	Sep-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Dec-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Mar-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Jun-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Sep-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Dec-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Mar-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Sep-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Sep-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Apr-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Sep-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		Mar-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		09/07/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		03/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2		01/26/16	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1,000	---	---	---	---	---	---	---
MW-3		08/08/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		12/03/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/16/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Jul-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Oct-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Jan-99	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Jun-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Dec-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Feb-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Jul-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	HV-	10/22/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	HV+	10/26/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Dec-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	NP	Mar-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	NP	May-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 5B
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	8260B EDB (µg/L)	1,2-DCA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Acetone (µg/L)	c-1,2-DCA (µg/L)	PCE (µg/L)	TCE (µg/L)	VOCs (µg/L)	8270 PAHs (µg/L)	6010 Total Lead (mg/L)
MW-3	NP	Jul-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	NP	Oct. 2002	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	NP	Jan-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	NP	Mar-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	NP	Aug-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Dec-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Mar-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Jun-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Sep-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Dec-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Mar-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Jun-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Sep-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Dec-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Mar-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Jun-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Sep-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Dec-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Mar-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Jun-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Sep-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Dec-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Mar-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Jun-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Sep-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Dec-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Sep-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Dec-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Mar-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Sep-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Sep-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Apr-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Sep-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		Mar-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		09/07/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		03/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3		01/26/16	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1,000	---	---	---	---	---	---	---
MW-4		08/08/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		12/03/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		03/16/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Jul-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Oct-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Jan-99	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Jun-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Dec-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Feb-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Jul-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	HV-	10/22/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	HV+	10/26/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Dec-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	NP	Mar-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	NP	May-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	NP	Jul-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	NP	Oct-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	NP	Jan-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	NP	Mar-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	NP	Aug-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Dec-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Mar-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 5B
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	8260B EDB (µg/L)	1,2-DCA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Acetone (µg/L)	c-1,2-DCA (µg/L)	PCE (µg/L)	TCE (µg/L)	VOCs (µg/L)	8270 PAHs (µg/L)	6010 Total Lead (mg/L)
MW-4		Jun-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Sep-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Dec-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Mar-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Jun-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Sep-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Dec-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Mar-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Jun-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Sep-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Dec-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Mar-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Jun-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Sep-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Dec-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Mar-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Jun-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Sep-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Dec-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Mar-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Sep-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Sep-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Apr-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Sep-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		Mar-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		09/07/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		03/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4		01/26/16	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1,000	---	---	---	---	---	---	---
MW-5		02/14/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Jul-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	HV-	10/22/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	HV+	10/26/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Dec-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Mar-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	May-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Jul-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Oct-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Jan-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Mar-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Aug-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Dec-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Mar-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Jun-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Sep-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Dec-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Mar-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Jun-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Sep-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Dec-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Mar-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Jun-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Sep-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Dec-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Mar-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Jun-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Sep-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Dec-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Mar-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Jun-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 5B
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
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Well ID		Date Sampled	8260B EDB (µg/L)	1,2-DCA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Acetone (µg/L)	c-1,2-DCA (µg/L)	PCE (µg/L)	TCE (µg/L)	VOCs (µg/L)	8270 PAHs (µg/L)	6010 Total Lead (mg/L)
MW-5	NP	Sep-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Dec-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Mar-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		Sep-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Sep-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Apr-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Sep-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	Mar-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	09/07/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	NP	03/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5		01/26/16	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1,000	---	---	---	---	---	---	---
MW-6		Feb-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Jul-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	HV-	10/22/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	HV+	10/26/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Dec-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Mar-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	May-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Jul-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Oct-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Jan-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Mar-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Aug-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Dec-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Mar-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Jun-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Sep-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Dec-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Mar-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Jun-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Sep-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Dec-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Mar-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Jun-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Sep-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Dec-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Mar-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Jun-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Sep-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Dec-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Mar-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Jun-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Sep-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Dec-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Mar-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		Sep-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Sep-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Apr-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Sep-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	NP	Mar-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		09/07/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		03/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6		01/26/16	<1.7	7.9	<1.7	<1.7	<1.7	<33	<3,300	---	---	---	---	---	---	---
MW-7		02/14/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Jul-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	HV-	10/22/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	HV+	10/26/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 5B
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	8260B EDB (µg/L)	1,2-DCA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Acetone (µg/L)	c-1,2-DCA (µg/L)	PCE (µg/L)	TCE (µg/L)	VOCs (µg/L)	8270 PAHs (µg/L)	6010 Total Lead (mg/L)
MW-7		Dec-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Mar-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	May-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Jul-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Oct-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Jan-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Mar-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Aug-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Dec-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Mar-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Jun-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Sep-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Dec-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Mar-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Jun-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Sep-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Dec-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Mar-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Jun-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Sep-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Dec-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Mar-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Jun-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Sep-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Dec-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Mar-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Jun-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Sep-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Dec-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Mar-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		Sep-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Sep-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Apr-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Sep-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	NP	Mar-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		09/07/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		03/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7		01/26/16	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1,000	---	---	---	---	---	---	---
MW-8		02/14/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Jul-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	HV-	10/22/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	HV+	10/26/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Dec-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Mar-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	May-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Jul-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Oct-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Jan-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Mar-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Aug-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Dec-03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Mar-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Jun-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Sep-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Dec-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Mar-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Jun-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Sep-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Dec-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 5B
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Well ID		Date Sampled	8260B EDB (µg/L)	1,2-DCA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Ethanol (µg/L)	Acetone (µg/L)	c-1,2-DCA (µg/L)	PCE (µg/L)	TCE (µg/L)	VOCs (µg/L)	8270 PAHs (µg/L)	6010 Total Lead (mg/L)
MW-8		Mar-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Jun-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Sep-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Dec-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Mar-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Jun-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Sep-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Dec-07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Mar-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Jun-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Sep-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Dec-08	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Mar-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Sep-09	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Sep-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Apr-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	NP	Sep-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		Mar-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		09/07/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		03/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8		01/26/16	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1,000	---	---	---	---	---	---	---
Grab Groundwater Samples																
1997 Subsurface Investigation																
BH1W		01/08/97	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.005i
BH2W		01/08/97	---	---	---	---	---	---	---	---	---	---	---	---	ND	<0.005i
BH4W		01/08/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH6W		01/08/97	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.005
2004 Soil and Groundwater Investigation																
BH-10-GW		04/29/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-11-GW		04/29/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-12-GW		04/29/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-13-GW		04/29/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-14-GW		04/29/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-15-GW		04/29/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-16-GW		04/29/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-17-GW		04/29/04	<5.0	<5.0	<1	<1	<1	<10	---	---	---	---	---	---	---	---
BH-18-GW		04/29/04	<50	<50	<10	<10	<10	<100	---	---	---	---	---	---	---	---
BH-19-GW		04/29/04	<50	<50	<10	<10	<10	<100	---	---	---	---	---	---	---	---
BH-20-GW		04/29/04	<50	<50	<10	<10	<10	114	---	---	---	---	---	---	---	---
BH-21-GW		04/29/04	<50	<50	<10	<10	<10	<100	---	---	---	---	---	---	---	---
2007 Soil and Groundwater Investigation																
B24-GW		05/24/07	<0.19	<0.20	<0.23	3.4	<0.19	<10	---	---	---	---	---	---	---	---
B25-GW		05/24/07	<0.19	<0.20	<0.23	<0.20	<0.19	<10	---	---	---	---	---	---	---	---
B27-GW		05/23/07	<0.19	<0.20	<0.23	<0.20	<0.19	<10	---	---	---	---	---	---	---	---
B28-GW		05/24/07	<0.19	<0.20	<0.23	<0.20	<0.19	11	---	---	---	---	---	---	---	---
B29-GW		05/24/07	<0.19	<0.20	<0.23	<0.20	<0.19	<10	---	---	---	---	---	---	---	---
B30-GW		05/23/07	<0.19	<0.20	<0.23	4.8	<0.19	<10	---	---	---	---	---	---	---	---
B31-GW		05/23/07	<0.19	7.5	<0.23	<0.20	<0.19	262	---	---	---	---	---	---	---	---
B32-GW		05/23/07	<0.19	<0.20	<0.23	<0.20	<0.19	82	---	---	---	---	---	---	---	---
2017 Subsurface Investigation																
B1		09/09/17	<1.0	<0.50	<2.0	<2.0	<2.0	<10	<100	22	2.2	10	<1.0	ND	---	---

TABLE 5B
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Notes:

O&G	=	Oil and grease.
TPHd	=	Total petroleum hydrocarbons as diesel.
TPHg	=	Total petroleum hydrocarbons as gasoline.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes.
MTBE	=	Methyl tertiary butyl ether.
1,2-DCA	=	1,2-dichloroethane.
EDB	=	1,2-dibromoethane.
ETBE	=	Ethyl tertiary butyl ether.
DIPE	=	Di-isopropyl ether.
TAME	=	Tertiary amyl methyl ether.
TBA	=	Tertiary butyl alcohol.
c-1,2-DCA	=	cis-1,2-dichloroethane.
PCE	=	Tetrachloroethene.
TCE	=	Trichloroethene.
VOCs	=	Volatile organic compounds.
PAHs	=	Polyaromatic hydrocarbons.
ND	=	Not detected.
µg/L	=	Micrograms per cubic liter.
<	=	Less than the stated laboratory reporting limit.
---	=	Not sampled/Not analyzed.
NP	=	"No Purge" means no purging was conducted before the groundwater sample was collected.
HV-	=	Pre“hi-vac”
HV+	=	Post “hi-vac”
a	=	Unmodified or weakly modified gasoline is significant.
b	=	Heavier gasoline-range compounds are significant.
c	=	Lighter gasoline-range compounds (the most mobile fraction) are significant.
d	=	Gasoline-range compounds having broad chromatographic peaks are significant.
e	=	Chromatographic pattern does not match that of the specified standard.
f	=	Analyzed outside of recommended hold time.
g	=	Oil-range compounds are significant.
h	=	Lighter than water immeiscible sheen is present.
i	=	Liquid sample that contains greater than ~5 vol. % sediment.
j	=	Estimated value below the reporting limit and above the method detection limit.
k	=	Estimated value above the method dection limit but below the reporting limit.
l	=	Sample contains discrete peak in gasoline range.
m	=	Hydrocarbon result partly due to individual peak(s) in the quantitation range.
n	=	No recognizable pattern.

TABLE 6A
CUMULATIVE SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

			5520E&F	DHS LUFT		8015			8260B/8020 (Pre-2004)					8260B								8240	8270	
Sample ID	Depth (feet)	Date Sampled	O&G (mg/kg)	Kerosene (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Naph-thalene (mg/kg)	VOCs (mg/kg)	VOCs (mg/kg)	SVOCs (mg/kg)	PAHs (mg/kg)
230 MacArthur Boulevard																								
1986 Site Investigation																								
S-A	4-5.5	04/14/86	---	---	---	---	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-A	8.5-10	04/14/86	---	---	---	---	---	1,200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-A	11-12.5	04/14/86	---	---	---	---	---	4,300	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-A	13.5-15	04/14/86	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-B	5-6.5	04/14/86	---	---	---	---	---	36	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-B	8-9.5	04/14/86	---	---	---	---	---	78	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-B	12-13	04/14/86	---	---	---	---	---	6.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-C	4-5.5	04/14/86	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-C	7-8.5	04/14/86	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-C	11-12.5	04/14/86	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-C	13.5-15	04/14/86	---	---	---	---	---	5,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-D	Composite	04/14/86	---	---	---	---	---	571	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1987 Subsurface Investigation																								
B-1 @ 4'	4	08/28/87	---	---	---	---	---	412	<0.05	<0.05	<0.1	5.4	---	---	---	---	---	---	---	---	---	---	---	---
B-1 @ 6'	6	08/28/87	---	---	---	---	---	1,440	<0.05	<0.05	<0.1	130	---	---	---	---	---	---	---	---	---	---	---	---
B-1 @ 8'	8	08/28/87	---	---	---	---	---	1,870	<0.05	4.3	14	325	---	---	---	---	---	---	---	---	---	---	---	---
B-1 @ 10'	10	08/28/87	---	---	---	---	---	<10	<0.05	<0.050	<0.1	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
B-1 @ 12'	12	08/28/87	---	---	---	---	---	122	0.60	0.36	0.38	0.33	---	---	---	---	---	---	---	---	---	---	---	---
B-1 @ 14'	14	08/28/87	---	---	---	---	---	52	<0.05	<0.05	<0.1	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
B-2 @ 5'	5	08/28/87	---	---	---	---	---	<10	<0.05	1.5	5.7	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
B-2 @ 6-7'	6-7	08/28/87	---	---	---	---	---	<10	<0.05	0.37	0.55	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
B-2 @ 8-9'	8-9	08/28/87	---	---	---	---	---	<10	0.5	0.4	0.3	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
B-2 @ 10'	10	08/28/87	---	---	---	---	---	<10	<0.05	<0.05	<0.1	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
B-2 @ 12'	12	08/28/87	---	---	---	---	---	<10	<0.05	<0.05	<0.1	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
1987 UST Replacement																								
A-1	15	11/05/87	---	---	---	---	---	380	1.6	2.2	---	55	---	---	---	---	---	---	---	---	---	---	---	---
A-2	15	11/05/87	---	---	---	---	---	310	1.3	1.3	---	33	---	---	---	---	---	---	---	---	---	---	---	---
B-1	15	11/05/87	---	---	---	---	---	480	4.3	0.5	---	22	---	---	---	---	---	---	---	---	---	---	---	---
B-2	15	11/05/87	---	---	---	---	---	9.1	1.6	0.3	---	0.1	---	---	---	---	---	---	---	---	---	---	---	---
C-1	15	11/05/87	---	---	---	---	---	12	1.5	<0.1	---	1.1	---	---	---	---	---	---	---	---	---	---	---	---
C-2	15	11/05/87	---	---	---	---	---	170	4.1	<0.1	---	2.4	---	---	---	---	---	---	---	---	---	---	---	---
D-1	15	11/05/87	---	---	---	---	---	8.6	<0.1	<0.1	---	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
D-2	15	11/05/87	---	---	---	---	---	44	<0.1	<0.1	---	5.3	---	---	---	---	---	---	---	---	---	---	---	---
Comp 1	---	11/03/87	---	---	---	---	---	24	0.2	<0.1	---	5.7	---	---	---	---	---	---	---	---	---	---	---	---
Comp 2	---	11/04/87	---	---	---	---	---	26	<0.1	0.2	---	12	---	---	---	---	---	---	---	---	---	---	---	---
Comp 3	---	11/04/87	---	---	---	---	---	150	1.8	1.9	---	36	---	---	---	---	---	---	---	---	---	---	---	---
Comp 4	---	11/04/87	---	---	---	---	---	8.4	0.1	0.1	---	2.8	---	---	---	---	---	---	---	---	---	---	---	---
Comp 5	---	11/05/87	---	---	---	---	---	250	1.8	9.3	---	52	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 6A
CUMULATIVE SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

			5520E&F	DHS LUFT		8015			8260B/8020 (Pre-2004)					8260B								8240	8270	
Sample ID	Depth (feet)	Date Sampled	O&G (mg/kg)	Kerosene (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Naph-thalene (mg/kg)	VOCs (mg/kg)	VOCs (mg/kg)	SVOCs (mg/kg)	PAHs (mg/kg)
1988 Subsurface Investigation																								
MW1-2	10	11/07/88	---	---	---	---	---	<10	<0.003	0.0116	<0.003	<0.003	---	---	---	---	---	---	---	---	---	---	---	---
MW1-3	15	11/07/88	---	---	---	---	---	<10	<0.003	0.0129	<0.003	0.0051	---	---	---	---	---	---	---	---	---	---	---	---
MW1-4	20	11/07/88	---	---	---	---	---	<10	<0.003	0.0230	<0.003	<0.003	---	---	---	---	---	---	---	---	---	---	---	---
MW2-1	5	11/07/88	---	---	---	---	---	<10	<0.003	0.0161	<0.003	<0.003	---	---	---	---	---	---	---	---	---	---	---	---
MW2-2	10	11/07/88	---	---	---	---	---	<10	<0.003	0.0093	<0.003	<0.003	---	---	---	---	---	---	---	---	---	---	---	---
MW2-3	15	11/07/88	---	---	---	---	---	<10	<0.003	0.010	<0.003	<0.003	---	---	---	---	---	---	---	---	---	---	---	---
MW3-1	10	12/07/88	---	---	---	---	---	278	<0.050	0.388	<0.003	0.411	---	---	---	---	---	---	---	---	---	---	---	---
MW3-2	15	12/07/88	---	---	---	---	---	<10	<0.003	0.0367	<0.003	<0.003	---	---	---	---	---	---	---	---	---	---	---	---
MW3-3	20	12/07/88	---	---	---	---	---	<10	<0.003	0.0304	0.0076	<0.003	---	---	---	---	---	---	---	---	---	---	---	---
1989 Subsurface Investigation																								
SB1-1	5	08/16/89	---	---	---	---	---	<1.0	<0.05	<0.1	<0.1	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
SB1-2	10	08/16/89	---	---	---	---	---	<1.0	<0.05	<0.1	<0.1	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
SB1-3	15	08/16/89	---	---	---	---	---	<1.0	<0.05	<0.1	<0.1	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
SB1	Composite	08/16/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB2-1	5.5	08/16/89	---	---	---	---	---	<1.0	<0.05	<0.1	<0.1	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
SB2-2	10.5	08/16/89	---	---	---	---	---	<1.0	<0.05	<0.1	<0.1	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
SB2-3	15.5	08/16/89	---	---	---	---	---	490	<0.05	0.28	1.3	1.0	---	---	---	---	---	---	---	---	---	---	---	---
SB2	Composite	08/16/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB3-1	4.5	08/16/89	---	---	---	---	---	6.6	<0.05	0.26	0.14	0.63	---	---	---	---	---	---	---	---	---	---	---	---
SB3-2	9.5	08/16/89	---	---	---	---	---	<1.0	<0.05	<0.1	<0.1	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
SB3-3	15.5	08/16/89	---	---	---	---	---	<1.0	<0.05	<0.1	<0.1	<0.1	---	---	---	---	---	---	---	---	---	---	---	---
SB3	Composite	08/16/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2004 Subsurface Investigation																								
SB-1-5'	5	03/24/04	---	---	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---
SB-1-10'	10	03/24/04	---	---	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---
SB-1-15'	15	03/24/04	---	---	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.0078	---	---	---	---	---	---	---	---	---	---	---
SB-1-17'	17	03/24/04	---	---	---	---	---	12	<0.025	<0.025	<0.025	<0.025	<0.025	---	---	---	---	---	---	---	---	---	---	---
SB-1-19.5'	19.5	03/24/04	---	---	---	---	---	43	<0.024	<0.024	<0.024	<0.024	<0.024	---	---	---	---	---	---	---	---	---	---	---
SB-2-5'	5	03/24/04	---	---	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---
SB-2-10'	10	03/24/04	---	---	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---
SB-2-15'	15	03/24/04	---	---	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---
SB-2-17'	17	03/24/04	---	---	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.0099	---	---	---	---	---	---	---	---	---	---	---
SB-2-19.5'	19.5	03/24/04	---	---	---	---	---	10	<0.025	<0.025	<0.025	<0.025	<0.025	---	---	---	---	---	---	---	---	---	---	---
2005 Fueling System Upgrade																								
D-1-4.0	4.0	04/18/05	---	---	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---
D-2-1.5	1.5	04/18/05	---	---	---	---	---	1,700	<0.40	2.4	3.8	5.4	<0.40	---	---	<0.40	<0.40	<0.40	<2.0	---	---	---	---	---
D-2-3.5	3.5	04/18/05	---	---	---	---	---	940	0.060	6.6	9.5	85	<0.025	---	---	<0.025	<0.025	<0.025	<0.15	---	---	---	---	---
D-3-3.0	3.0	04/18/05	---	---	---	---	---	2.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---
D-4-4.0	4.0	04/18/05	---	---	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	---	---	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---

TABLE 6A
CUMULATIVE SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

			5520E&F	DHS LUFT		8015			8260B/8020 (Pre-2004)					8260B								8240	8270	
Sample ID	Depth (feet)	Date Sampled	O&G (mg/kg)	Kerosene (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Naph-thalene (mg/kg)	VOCs (mg/kg)	VOCs (mg/kg)	SVOCs (mg/kg)	PAHs (mg/kg)
P-1-2.0	2.0	04/18/05	---	---	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---
P-2-4.5	4.5	04/18/05	---	---	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---
P-3-3.5	3.5	04/18/05	---	---	---	---	---	620	<0.025	0.20	1.6	6.1	0.066	---	---	<0.025	<0.025	<0.025	0.18	---	---	---	---	---
P-4-4.0	4.0	04/18/05	---	---	---	---	---	2,700	4.2	1.6	39	78	0.30	---	---	<0.25	<0.25	<0.25	<1.5	---	---	---	---	---
P-5-4.0	4.0	04/18/05	---	---	---	---	---	1,600	0.98	0.28	7.4	13	<0.25	---	---	<0.25	<0.25	<0.25	<1.5	---	---	---	---	---
EX-1-6	6.0	04/28/05	---	---	---	---	---	830	<0.50	1.4	4.1	<0.50	<0.50	---	---	<0.50	<1.0	<0.50	<2.5	---	---	---	---	---
EX-2-6	6.0	04/28/05	---	---	---	---	---	200	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	<0.50	<1.0	<0.50	<2.5	---	---	---	---	---
EX-3-6	6.0	04/28/05	---	---	---	---	---	7.3	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.0050	<0.010	<0.0050	0.015	---	---	---	---	---
EX-4-6	6.0	04/28/05	---	---	---	---	---	21	<0.023	<0.023	<0.023	<0.023	<0.023	---	---	<0.023	<0.023	<0.023	<0.046	---	---	---	---	---
EX-B-6.5	6.5	04/28/05	---	---	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.0050	<0.010	<0.0050	0.017	---	---	---	---	---
EX-5-6	6.0	04/28/05	---	---	---	---	---	7.6	<0.019	<0.019	<0.019	0.10	<0.019	---	---	<0.019	<0.038	<0.019	<0.038	---	---	---	---	---
EX-6-6	6.0	04/28/05	---	---	---	---	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.0050	<0.010	<0.0050	0.013	---	---	---	---	---
EX-B2-6.5	6.5	04/28/05	---	---	---	---	---	260	<0.50	<0.50	1.6	1.5	<0.50	---	---	<0.50	3.3	<0.50	<2.5	---	---	---	---	---
2006 Subsurface Investigation																								
SB-4-5	5.0	04/04/06	---	---	---	---	---	<0.100	<0.00200	<0.00200	<0.00200	<0.00500	<0.00200	---	---	<0.00500	<0.00200	<0.00200	<0.0500	---	---	---	---	---
SB-4-11.5	11.5	04/05/06	---	---	---	---	---	<0.100	<0.00200	<0.00200	<0.00200	<0.00500	<0.00200	---	---	<0.00500	<0.00200	<0.00200	<0.0500	---	---	---	---	---
SB-4-15.5	15.5	04/05/06	---	---	---	---	---	0.544	<0.00200	0.119	0.00995	0.0388	<0.00200	---	---	<0.00500	<0.00200	<0.00200	<0.0500	---	---	---	---	---
SB-5-3	3.0	04/04/06	---	---	---	---	---	1,510f	2.90f	9.47f	9.46f	70.6f	0.00403	---	---	<0.00500	0.0142	<0.00200	<0.0500	---	---	---	---	---
SB-6-3	3.0	04/04/06	---	---	---	---	---	0.638	<0.00200	<0.00200	<0.00200	<0.00500	<0.00200	---	---	<0.00500	<0.00200	<0.00200	<0.0500	---	---	---	---	---
SB-6-6.5	6.5	04/05/06	---	---	---	---	---	<0.100	<0.00200	<0.00200	<0.00200	<0.00500	0.00418	---	---	<0.00500	<0.00200	<0.00200	<0.0500	---	---	---	---	---
SB-6-9.5	9.5	04/05/06	---	---	---	---	---	2.43	0.0168	<0.00200	0.00746	<0.00500	0.00970	---	---	<0.00500	<0.00200	<0.00200	<0.0500	---	---	---	---	---
SB-6-12	12.0	04/06/06	---	---	---	---	---	6.16	0.0160	<0.00200	0.0319	0.0222	0.00541	---	---	<0.00500	<0.00200	<0.00200	<0.0500	---	---	---	---	---
SB-7-5	5.0	04/04/06	---	---	---	---	---	0.452	<0.00200	<0.00200	0.00325	0.0199	<0.00200	---	---	<0.00500	<0.00200	<0.00200	<0.0500	---	---	---	---	---
SB-7-10	10.0	04/06/06	---	---	---	---	---	<0.100	<0.00200	<0.00200	<0.00200	<0.00500	0.00221	---	---	<0.00500	<0.00200	<0.00200	<0.0500	---	---	---	---	---
SB-7-15	15.0	04/06/06	---	---	---	---	---	<0.100	<0.00200	<0.00200	<0.00200	<0.00500	<0.00200	---	---	<0.00500	<0.00200	<0.00200	<0.0500	---	---	---	---	---
SB-8-5	5.0	04/04/06	---	---	---	---	---	<0.100	<0.00200	<0.00200	<0.00200	<0.00500	<0.00200	---	---	<0.00500	<0.00200	<0.00200	<0.0500	---	---	---	---	---
SB-8-10	10.0	04/06/06	---	---	---	---	---	<0.100	0.00340	<0.00200	<0.00200	<0.00500	<0.00200	---	---	<0.00500	<0.00200	<0.00200	<0.0500	---	---	---	---	---
SB-8-14	14.0	04/06/06	---	---	---	---	---	0.942	0.0588	0.00204	0.00416	<0.00500	0.00855	---	---	<0.00500	0.0132	<0.00200	<0.0500	---	---	---	---	---
2008 Subsurface Investigation																								
SB-9-7	7	02/01/08	---	---	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
SB-9-11.5	11.5	02/01/08	---	---	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
SB-9-15.5	15.5	02/01/08	---	---	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
SB-10-7	7	02/01/08	---	---	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
SB-10-11.5	11.5	02/01/08	---	---	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
SB-10-15.5	15.5	02/01/08	---	---	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
SB-11-7.5	7.5	02/01/08	---	---	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
SB-11-11.5	11.5	02/01/08	---	---	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
SB-11-15.5	15.5	02/01/08	---	---	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---

TABLE 6A
CUMULATIVE SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

			5520E&F	DHS LUFT		8015			8260B/8020 (Pre-2004)					8260B								8240	8270	
Sample ID	Depth (feet)	Date Sampled	O&G (mg/kg)	Kerosene (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Naph-thalene (mg/kg)	VOCs (mg/kg)	VOCs (mg/kg)	SVOCs (mg/kg)	PAHs (mg/kg)
SB-12-7.5	7.5	02/01/08	---	---	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
SB-12-11	11	02/01/08	---	---	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	---	---	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
SB-12-15.5	15.5	02/01/08	---	---	---	---	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	0.0053	---	---	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
2017 Subsurface Investigation																								
S-11-B2	11	09/09/17	---	---	---	<5.0	<5.0	<0.51	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0099	<0.0099	<0.0099	<0.050	<0.050	ND	---	---	---
S-16.5-B2	16.5	09/09/17	---	---	---	<5.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.050	ND	---	---	---
S-17-B2	17	09/09/17	---	---	---	<5.1	<5.1	<0.48	<0.0049	<0.0049	<0.0049	<0.0098	<0.0049	<0.0049	<0.0049	<0.0098	<0.0098	<0.0098	<0.049	<0.049	ND	---	---	---
S-17-B3	17	09/09/17	---	---	---	<5.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.010	<0.050	<0.050	ND	---	---	---
240 MacArthur Boulevard																								
1991 Used-Oil and Used-Oil Sump Removal																								
West Wall	---	03/13/91	<50	<1	<1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
East Wall	---	03/13/91	150	<1	<1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bottom West	---	03/13/91	630	<1	<1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bottom East	---	03/13/91	2,600	<1	<1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1522-3	---	03/19-24/91	<10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1522-4	---	03/19-24/91	<10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1522-C	---	03/19-24/91	360	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1996 Tank Removal (350-gallon used-oil UST)																								
Excavation Bottom Samples																								
EB (7')	7.0	10/03/96	7,000	---	---	---	510g	---	<0.005	0.006	0.009	0.033	<0.05	---	---	---	---	---	---	---	---	---	---	---
EB (8')	8.0	10/03/96	<50	---	---	---	<1.0	---	<0.005	<0.005	<0.005	<0.005	<0.05	---	---	---	---	---	---	---	---	---	ND	---
Excavation Stockpile Composite Samples																								
STKP	1-4	10/03/96	580	---	---	---	31g	---	<0.005	<0.005	<0.005	<0.005	<0.05	---	---	---	---	---	---	---	---	---	---	---
STKP-2	1-4	10/03/96	1,300	---	---	---	100g	---	<0.005	<0.005	<0.005	0.012	<0.05	---	---	---	---	---	---	---	---	---	---	---
STKP-3	1-4	10/03/96	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	0.21m	ND
1996 Tank Removal Over-Excavation (350-gallon used-oil UST)																								
Excavation Sidewall Samples																								
SW1	8.5	11/13/96	<50	---	---	---	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	---	---	---	---	---	---	---	---	---	---	ND
SW2	8.5	11/13/96	<50	---	---	---	8.9g	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	---	---	---	---	---	---	---	---	---	---	ND
SW3	8.5	11/13/96	<50	---	---	---	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	---	---	---	---	---	---	---	---	---	---	ND
SW4	8.5	11/13/96	<50	---	---	---	<1.0	1.0b,d	<0.005	<0.005	0.014	0.046	<0.05	---	---	---	---	---	---	---	---	---	---	ND
Excavation Bottom Samples																								
EB (9')	9.0	11/13/96	<50	---	---	---	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	---	---	---	---	---	---	---	---	---	---	ND
Excavation Stockpile Composite Samples																								
STKP	1-4	11/13/96	<50	---	---	---	6.9a	2.1g	<0.005	<0.005	<0.005	0.007	<0.05	---	---	---	---	---	---	---	---	---	---	ND
1997 Phase II Subsurface Investigation																								
BH-1	15	01/08/97	---	---	---	---	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	---	---	---	---	---	---	---	---	---	---	---
BH-2	15	01/08/97	<50	---	---	---	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	---	---	---	---	---	---	---	---	---	---	ND
BH-3	15	01/08/97	<50	---	---	---	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	---	---	---	---	---	---	---	---	---	---	ND
BH-4	15	01/08/97	---	---	---	---	370d	1,100 o	<0.02	<0.02	4.4	14	<3.0	---	---	---	---	---	---	---	---	---	---	---
BH-5	15	01/08/97	---	---	---	---	1.9d	2.1 o	0.009	0.006	<0.005	0.016	<0.05	---	---	---	---	---	---	---	---	---	---	---
BH-6	15	01/08/97	---	---	---	---	140d	190 o	0.25	0.50	0.84	3.6	<0.6	---	---	---	---	---	---	---	---	---	---	---

TABLE 6A
CUMULATIVE SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

			5520E&F	DHS LUFT		8015			8260B/8020 (Pre-2004)					8260B								8240	8270	
Sample ID	Depth (feet)	Date Sampled	O&G (mg/kg)	Kerosene (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Naph-thalene (mg/kg)	VOCs (mg/kg)	VOCs (mg/kg)	SVOCs (mg/kg)	PAHs (mg/kg)
1997 Additional Site Characterization																								
BH-7	12	08/07/97	---	---	---	---	<10	<5.0	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
BH-7	16	08/07/97	---	---	---	---	<10	<5.0	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
BH-8	8	08/07/97	---	---	---	---	<10	<5.0	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
BH-8	12	08/07/97	---	---	---	---	<10	168	0.02	<0.005	0.45	5.1	<0.005	---	---	---	---	---	---	---	---	---	---	---
BH-8	16	08/07/97	---	---	---	---	<10	21	0.027	0.070	<0.005	0.75	<0.005	---	---	---	---	---	---	---	---	---	---	---
BH-9	8	08/07/97	---	---	---	---	<10	<5.0	<0.005	0.032	0.029	0.28	<0.005	---	---	---	---	---	---	---	---	---	---	---
BH-9	12	08/07/97	---	---	---	---	<10	<5.0	<0.005	0.012	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
BH-9	16	08/07/97	---	---	---	---	<10	<5.0	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-1	10	08/07/97	---	---	---	---	<10	<5.0	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-1	17	08/07/97	---	---	---	---	<10	<5.0	<0.005	0.031	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-2	10	08/07/97	---	---	---	---	<10	<5.0	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-2	17	08/07/97	---	---	---	---	<10	16	0.035	0.037	0.018	0.15	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-3	10	08/07/97	---	---	---	---	<10	<5.0	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-3	15	08/07/97	---	---	---	---	<10	<5.0	0.027	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-4	10	08/07/97	---	---	---	---	<10	<5.0	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-4	17	08/07/97	---	---	---	---	<10	<5.0	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
2001 Additional Site Characterization																								
MW-5	5	02/13/01	---	---	---	---	---	<10	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-5	10	02/13/01	---	---	---	---	---	<10	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-5	15	02/13/01	---	---	---	---	---	11,700	25.6	12	55.8	38.6	<3.0	---	---	---	---	---	---	---	---	---	---	---
MW-5	20	02/13/01	---	---	---	---	---	<10	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-7	10	02/13/01	---	---	---	---	---	<10	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-7	15	02/13/01	---	---	---	---	---	<10	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-7	20	02/13/01	---	---	---	---	---	<10	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-8	10	02/13/01	---	---	---	---	---	<10	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-8	15	02/13/01	---	---	---	---	---	<10	<0.005	<0.005	<0.005	<0.015	<0.005	---	---	---	---	---	---	---	---	---	---	---
MW-8	20	02/13/01	---	---	---	---	---	<10	<0.005	<0.005	<0.005	<0.015	<0.0723	---	---	---	---	---	---	---	---	---	---	---
2004 Soil and Groundwater Investigation																								
BH-10	4.5		04/29/04	---	---	---	---	1.5	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-10	9.5		04/29/04	---	---	---	---	1.4	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-10	12		04/29/04	---	---	---	---	1.4	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-10	17		04/29/04	---	---	---	---	1.3	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-10	20.5	*	04/29/04	---	---	---	---	2.2	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-10	23.5	**	04/29/04	---	---	---	---	1.2	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-11	4.5		04/29/04	---	---	---	---	1.6	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-11	9.5		04/29/04	---	---	---	---	1.1	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-11	15		04/29/04	---	---	---	---	1.4	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-11	21.5	*	04/29/04	---	---	---	---	2.5	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-11	23.5	**	04/29/04	---	---	---	---	1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---

TABLE 6A
CUMULATIVE SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

				5520E&F	DHS LUFT		8015			8260B/8020 (Pre-2004)					8260B									8240	8270	
Sample ID	Depth (feet)		Date Sampled	O&G (mg/kg)	Kerosene (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Naph-thalene (mg/kg)	VOCs (mg/kg)	VOCs (mg/kg)	SVOCs (mg/kg)	PAHs (mg/kg)
BH-12	4.5		04/29/04	---	---	---	---	2.2	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-12	9.5		04/29/04	---	---	---	---	1.1	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-12	12		04/29/04	---	---	---	---	1.5	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-12	20	e	04/29/04	---	---	---	---	1.8	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-12	20.5	*	04/29/04	---	---	---	---	1.6	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-12	23.5	**	04/29/04	---	---	---	---	1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-13	4.5		04/29/04	---	---	---	---	1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-13	9.5		04/29/04	---	---	---	---	1.5	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-13	15.5		04/29/04	---	---	---	---	215	3,240	3.3	6.5	14	142	<3.5	---	---	---	---	---	---	---	---	---	---	---
BH-13	19.5		04/29/04	---	---	---	---	3.0	<3.0	0.21	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-13	23.5	**	04/29/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-14	4.5		04/29/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-14	9.5		04/29/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-14	16		04/29/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-14	20	*	04/29/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-14	21.5	**	04/29/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-14	4.5		04/29/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-15	9.5		04/29/04	---	---	---	---	1.2	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-15	15		04/29/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-15	20	*	04/29/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-15	23.5	**	04/29/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-16	4.5		04/29/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-16	9.5		04/29/04	---	---	---	---	1.2	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-16	15		04/29/04	---	---	---	---	10	2,950	2.8	12	19	72	<17.5	---	---	---	---	---	---	---	---	---	---	---
BH-16	20	*	04/29/04	---	---	---	---	10	352	<0.25	1.2	<0.25	6.9	<1.75	---	---	---	---	---	---	---	---	---	---	---
BH-16	23.5	**	04/29/04	---	---	---	---	1.8	4	<0.005	0.015	0.027	0.081	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-16	27.5	**	04/29/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.005	0.043	---	---	---	---	---	---	---	---	---	---	---
BH-17	4.5		04/29/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-17	9.5		04/30/04	---	---	---	---	1.4	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-17	15		04/30/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-17	20	*	04/30/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-17	23.5	**	04/30/04	---	---	---	---	1.1	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-18	4.5		04/30/04	---	---	---	---	1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-18	9.5		04/30/04	---	---	---	---	1.0	<3.0	<0.005	<0.005	<0.005	<0.015	<0.035	---	---	---	---	---	---	---	---	---	---	---
BH-18	17		04/30/04	---	---	---	---	6.0	17	<0.005	0.035	0.12	0.29	0.25	---	---	---	---	---	---	---	---	---	---	---
BH-18	20	*	04/30/04	---	---	---	---	3.8	45	0.049	0.15	0.24	0.56	0.84	---	---	---	---	---	---	---	---	---	---	---
BH-19	4.5		04/30/04	---	---	---	---	1.7	<3.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
BH-19	9		04/30/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
BH-19	13		04/30/04	---	---	---	---	<1.0	105	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
BH-19	18		04/30/04	---	---	---	---	66	859	<0.500	<0.500	0.616	0.714	<0.500	<0.500	<0.500	<1.0	<1.0	<1.0	<5.0	---	---	---	---	---
BH-19	21	*	04/30/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
BH-19	23.5	**	04/30/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---

TABLE 6A
CUMULATIVE SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

				5520E&F	DHS LUFT		8015			8260B/8020 (Pre-2004)					8260B								8240	8270	
Sample ID	Depth (feet)		Date Sampled	O&G (mg/kg)	Kerosene (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Naph-thalene (mg/kg)	VOCs (mg/kg)	VOCs (mg/kg)	SVOCs (mg/kg)	PAHs (mg/kg)
BH-20	4.5		04/30/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
BH-20	9		04/30/04	---	---	---	---	21	12	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.050	<0.050	<0.25	---	---	---	---	---
BH-20	13		04/30/04	---	---	---	---	<1.0	9.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
BH-20	20		04/30/04	---	---	---	---	20	353	<0.050	<0.050	0.0075j	0.039j	<0.050	<0.050	<0.050	<0.100	<0.100	<0.100	<0.5	---	---	---	---	---
BH-20	21.5	*	04/30/04	---	---	---	---	50	1,060	<0.500	<0.500	<0.500	5.34	<0.500	<0.500	<0.500	<1.0	<1.0	<1.0	<5.0	---	---	---	---	---
BH-20	23.5	**	04/30/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
BH-21	4.5		04/30/04	---	---	---	---	1.0	<3.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
BH-21	9.5		04/30/04	---	---	---	---	1.2	<3.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
BH-21	15.5		04/30/04	---	---	---	---	43	690	<0.500	<0.500	0.823	3.98	<0.500	<0.500	<0.500	<1.0	<1.0	<1.0	<5.0	---	---	---	---	---
BH-21	20.5	*	04/30/04	---	---	---	---	<1.0	84	0.056	<0.025	0.06	0.245	<0.025	<0.025	<0.025	<0.050	<0.050	<0.050	<0.250	---	---	---	---	---
BH-21	21.5	**	04/30/04	---	---	---	---	<1.0	<3.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.050	---	---	---	---	---
2007 Soil and Groundwater Investigation																									
B27-11	11-12		05/23/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B27-13	13-14		05/23/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B27-15	15-16		05/23/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B27-17	17-18		05/23/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B27-19	19-20		05/23/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	0.06	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B29-11	11-12		05/24/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B29-13	13-14		05/24/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B29-15	15-16		05/24/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B29-17	17-18		05/24/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B29-19	19-20		05/24/07	---	---	---	---	1.8	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B30-11	11-12		05/23/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B30-14	14-15		05/23/07	---	---	---	---	4.2	518	<0.0009	2.6	12	14	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B30-15	15-16		05/23/07	---	---	---	---	3.0	21	0.09	0.04	0.09	0.33	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B30-17	17-18		05/23/07	---	---	---	---	702	3790	7.8	36	37	148	24	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B30-19	19-20		05/23/07	---	---	---	---	98	1520	1.3	14	6.7	31	4.2	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B30-25	25-26	*	05/23/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B31-27	27-28	*	05/23/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B31-32	32-33	*	05/23/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B32-27	27-28	*	05/23/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	0.007	0.02	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
B32-32	32-33	*	05/23/07	---	---	---	---	<0.37	<0.022	<0.0009	<0.0008	<0.0007	<0.0019	<0.0008	<0.00014	<0.00012	<0.00025	<0.00017	<0.00013	<0.010	---	---	---	---	---
2016 Soil Vapor Investigation																									
SV-1	5		08/15/16	---	---	---	---	19n	<0.94	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.093	<0.0046	---	NDp	---	---
SV-2	5		08/15/16	---	---	---	---	<1.0	<0.97	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.094	<0.0047	---	NDp	---	---
SV-3	1.5		08/15/16	---	---	---	---	32n	190n	<0.052	<0.052	0.066	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<1.0	0.150	---	NDp	---	---
SV-3	5		08/15/16	---	---	---	---	1.2n	<0.96	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.099	<0.0049	---	NDp	---	---
SV-4	5		08/15/16	---	---	---	---	1.4n	<0.99	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.097	<0.0048	---	NDp	---	---
SV-5	3		08/15/16	---	---	---	---	720	16n	<0.051	<0.051	<0.051	0.072	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<1.0	0.630	---	NDp	---	---
SV-5	5		08/15/16	---	---	---	---	2,000	560n	<0.05	<0.050	<0.050	0.820	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<1.0	3.8	---	NDp	---	---
2017 Subsurface Investigation																									
S-8-B1	8		09/09/17	---	---	---	<4.9	<4.9	<0.49	<0.0051	<0.0051	<0.0051	<0.0102	<0.0051	<0.0051	<0.0051	<0.010	<0.010	<0.010	<0.051	<0.051	ND	---	---	---
S-17-B1	17		09/09/17	---	---	---	<5.0	<5.0	<0.51	<0.0049	<0.0049	<0.0049	<0.0098	<0.0049	<0.0049	<0.0049	<0.0099	<0.0099	<0.0099	<0.049	<0.049	ND	---	---	---

TABLE 6A
CUMULATIVE SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Notes: Highlighted data is representative of soil removed from the site.

O&G	=	Oil and grease.
TPHd	=	Total petroleum hydrocarbons as diesel.
TPHmo	=	Total petroleum hydrocarbons as motor oil.
TPHg	=	Total petroleum hydrocarbons as gasoline.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes.
MTBE	=	Methyl tertiary butyl ether.
1,2-DCA	=	1,2-dichloroethane.
EDB	=	1,2-dibromoethane.
ETBE	=	Ethyl tertiary butyl ether.
DIPE	=	Di-isopropyl ether.
TAME	=	Tertiary amyl methyl ether.
TBA	=	Tertiary butyl alcohol.
VOCs	=	Volatile organic compounds.
SVOCs	=	Semi-volatile organic compounds.
PAHs	=	Polyaromatic hydrocarbons.
STLC	=	Soluble Threshold Limit Concentration.
mg/kg	=	Milligrams per kilogram.
ND	=	Not detected.
<	=	Less than the stated laboratory reporting limit.
---	=	Not sampled/Not analyzed.
*	=	Sample collected within the saturated zone
**	=	Sample collected beneath the saturated zone
a	=	Unmodified or weakly modified gasoline is significant.
b	=	Heavier gasoline-range compounds are significant.
c	=	Lighter gasoline-range compounds (the most mobile fraction) are significant.
d	=	Gasoline-range compounds having broad chromatographic peaks are significant.
e	=	Depth of sample uncertain due to minimal recovery in sampling sleeve.
f	=	Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
g	=	Oil-range compounds are significant.
h	=	Lighter than water immeiscible sheen is present.
i	=	Liquid sample that contains greater than ~5 vol. % sediment.
j	=	Estimated value below the reporting limit and above the method detection limit.
k	=	Analyzed by EPA Method 7421.
l	=	Total lead analyzed by EPA Method 7240
m	=	2-methylnaphthalene.
n	=	Chromatographic pattern does not match that of the specified standard.
o	=	No recognizable pattern.
p	=	Analyzed for ethanol only.

TABLE 6B
CUMULATIVE SOIL ANALYTICAL RESULTS - METALS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

			6010/6010B																	7470	Cal LUFT	CA Title 22, Section 66261.21-66261.23		
Sample ID	Depth (feet)	Date Sampled	Total Antimony (mg/kg)	Total Arsenic (mg/kg)	Total Barium (mg/kg)	Total Beryllium (mg/kg)	Total Cadmium (mg/kg)	Total Chromium (mg/kg)	Total Cobalt (mg/kg)	Total Copper (mg/kg)	Total Lead (mg/kg)	STLC Lead (mg/L)	Total Molybdenum (mg/kg)	Total Nickel (mg/kg)	Total Selenium (mg/kg)	Total Silver (mg/kg)	Total Thallium (mg/kg)	Total Vanadium (mg/kg)	Total Zinc (mg/kg)	Total Mercury (mg/kg)	Organic Lead (mg/L)	Reactivity	pH	Ignitability
230 MacArthur Boulevard																								
1986 Site Investigation																								
S-A	4-5.5	04/14/86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-A	8.5-10	04/14/86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-A	11-12.5	04/14/86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-A	13.5-15	04/14/86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-B	5-6.5	04/14/86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-B	8-9.5	04/14/86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-B	12-13	04/14/86	---	---	---	---	---	---	---	---	11.0	---	---	---	---	---	---	---	---	---	---	---	---	---
S-C	4-5.5	04/14/86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-C	7-8.5	04/14/86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-C	11-12.5	04/14/86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-C	13.5-15	04/14/86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-D	Composite	04/14/86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1987 Subsurface Investigation																								
B-1 @ 4'	4	08/28/87	---	---	---	---	---	---	---	---	65.9k	---	---	---	---	---	---	---	---	---	---	---	---	---
B-1 @ 6'	6	08/28/87	---	---	---	---	---	---	---	---	26.4k	---	---	---	---	---	---	---	---	---	---	---	---	---
B-1 @ 8'	8	08/28/87	---	---	---	---	---	---	---	---	14.3k	---	---	---	---	---	---	---	---	---	---	---	---	---
B-1 @ 10'	10	08/28/87	---	---	---	---	---	---	---	---	<5k	---	---	---	---	---	---	---	---	---	---	---	---	---
B-1 @ 12'	12	08/28/87	---	---	---	---	---	---	---	---	<5k	---	---	---	---	---	---	---	---	---	---	---	---	---
B-1 @ 14'	14	08/28/87	---	---	---	---	---	---	---	---	<5k	---	---	---	---	---	---	---	---	---	---	---	---	---
B-2 @ 5'	5	08/28/87	---	---	---	---	---	---	---	---	<5k	---	---	---	---	---	---	---	---	---	---	---	---	---
B-2 @ 6-7'	6-7	08/28/87	---	---	---	---	---	---	---	---	<5k	---	---	---	---	---	---	---	---	---	---	---	---	---
B-2 @ 8-9'	8-9	08/28/87	---	---	---	---	---	---	---	---	<5k	---	---	---	---	---	---	---	---	---	---	---	---	---
B-2 @ 10'	10	08/28/87	---	---	---	---	---	---	---	---	<5k	---	---	---	---	---	---	---	---	---	---	---	---	---
B-2 @ 12'	12	08/28/87	---	---	---	---	---	---	---	---	<5k	---	---	---	---	---	---	---	---	---	---	---	---	---
1987 UST Replacement																								
Not analyzed for these analytes.																								
1988 Subsurface Investigation																								
MW1-2	10	11/07/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1-3	15	11/07/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1-4	20	11/07/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2-1	5	11/07/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2-2	10	11/07/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2-3	15	11/07/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3-1	10	12/07/88	---	---	---	---	---	---	---	---	11 l	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3-2	15	12/07/88	---	---	---	---	---	---	---	---	8.3 l	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3-3	20	12/07/88	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 6B
CUMULATIVE SOIL ANALYTICAL RESULTS - METALS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

			6010/6010B																	7470	Cal LUFT	CA Title 22, Section 66261.21-66261.23		
Sample ID	Depth (feet)	Date Sampled	Total Antimony (mg/kg)	Total Arsenic (mg/kg)	Total Barium (mg/kg)	Total Beryllium (mg/kg)	Total Cadmium (mg/kg)	Total Chromium (mg/kg)	Total Cobalt (mg/kg)	Total Copper (mg/kg)	Total Lead (mg/kg)	STLC Lead (mg/L)	Total Molybdenum (mg/kg)	Total Nickel (mg/kg)	Total Selenium (mg/kg)	Total Silver (mg/kg)	Total Thallium (mg/kg)	Total Vanadium (mg/kg)	Total Zinc (mg/kg)	Total Mercury (mg/kg)	Organic Lead (mg/L)	Reactivity	pH	Ignitability
1989 Subsurface Investigation																								
SB1-1	5	08/16/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB1-2	10	08/16/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB1-3	15	08/16/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB1	Composite	08/16/89	---	---	---	---	---	---	---	---	4.5	---	---	---	---	---	---	---	---	---	<0.05	---	---	---
SB2-1	5.5	08/16/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB2-2	10.5	08/16/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB2-3	15.5	08/16/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB2	Composite	08/16/89	---	---	---	---	---	---	---	---	2.5	---	---	---	---	---	---	---	---	---	<0.05	---	---	---
SB3-1	4.5	08/16/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB3-2	9.5	08/16/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB3-3	15.5	08/16/89	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB3	Composite	08/16/89	---	---	---	---	---	---	---	---	5.5	---	---	---	---	---	---	---	---	---	<0.05	---	---	---
2004 Subsurface Investigation																								
Not analyzed for these analytes.																								
2005 Fueling System Upgrade																								
D-1-4.0	4.0	04/18/05	---	---	---	---	---	---	---	---	6.2	---	---	---	---	---	---	---	---	---	---	---	---	---
D-2-1.5	1.5	04/18/05	---	---	---	---	---	---	---	---	130	---	---	---	---	---	---	---	---	---	---	---	---	---
D-2-3.5	3.5	04/18/05	---	---	---	---	---	---	---	---	8.0	---	---	---	---	---	---	---	---	---	---	---	---	---
D-3-3.0	3.0	04/18/05	---	---	---	---	---	---	---	---	6.5	---	---	---	---	---	---	---	---	---	---	---	---	---
D-4-4.0	4.0	04/18/05	---	---	---	---	---	---	---	---	8.1	---	---	---	---	---	---	---	---	---	---	---	---	---
P-1-2.0	2.0	04/18/05	---	---	---	---	---	---	---	---	4.2	---	---	---	---	---	---	---	---	---	---	---	---	---
P-2-4.5	4.5	04/18/05	---	---	---	---	---	---	---	---	9.7	---	---	---	---	---	---	---	---	---	---	---	---	---
P-3-3.5	3.5	04/18/05	---	---	---	---	---	---	---	---	22	---	---	---	---	---	---	---	---	---	---	---	---	---
P-4-4.0	4.0	04/18/05	---	---	---	---	---	---	---	---	140	---	---	---	---	---	---	---	---	---	---	---	---	---
P-5-4.0	4.0	04/18/05	---	---	---	---	---	---	---	---	11	---	---	---	---	---	---	---	---	---	---	---	---	---
EX-1-6	6.0	04/28/05	---	---	---	---	---	---	---	---	7.2	---	---	---	---	---	---	---	---	---	---	---	---	---
EX-2-6	6.0	04/28/05	---	---	---	---	---	---	---	---	7.1	---	---	---	---	---	---	---	---	---	---	---	---	---
EX-3-6	6.0	04/28/05	---	---	---	---	---	---	---	---	4.1	---	---	---	---	---	---	---	---	---	---	---	---	---
EX-4-6	6.0	04/28/05	---	---	---	---	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	---	---
EX-B-6.5	6.5	04/28/05	---	---	---	---	---	---	---	---	3.6	---	---	---	---	---	---	---	---	---	---	---	---	---
EX-5-6	6.0	04/28/05	---	---	---	---	---	---	---	---	4.1	---	---	---	---	---	---	---	---	---	---	---	---	---
EX-6-6	6.0	04/28/05	---	---	---	---	---	---	---	---	7.3	---	---	---	---	---	---	---	---	---	---	---	---	---
EX-B2-6.5	6.5	04/28/05	---	---	---	---	---	---	---	---	4.0	---	---	---	---	---	---	---	---	---	---	---	---	---
2006 Subsurface Investigation																								
Not analyzed for these analytes.																								

TABLE 6B
CUMULATIVE SOIL ANALYTICAL RESULTS - METALS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

			6010/6010B																	7470	Cal LUFT	CA Title 22, Section 66261.21-66261.23		
Sample ID	Depth (feet)	Date Sampled	Total Antimony (mg/kg)	Total Arsenic (mg/kg)	Total Barium (mg/kg)	Total Beryllium (mg/kg)	Total Cadmium (mg/kg)	Total Chromium (mg/kg)	Total Cobalt (mg/kg)	Total Copper (mg/kg)	Total Lead (mg/kg)	STLC Lead (mg/L)	Total Molybdenum (mg/kg)	Total Nickel (mg/kg)	Total Selenium (mg/kg)	Total Silver (mg/kg)	Total Thallium (mg/kg)	Total Vanadium (mg/kg)	Total Zinc (mg/kg)	Total Mercury (mg/kg)	Organic Lead (mg/L)	Reactivity	pH	Ignitability
2008 Subsurface Investigation																								
Not analyzed for these analytes.																								
2017 Subsurface Investigation																								
Not analyzed for these analytes.																								
240 MacArthur Boulevard																								
1991 Used-Oil and Used-Oil Sump Removal																								
Not analyzed for these analytes.																								
1996 Tank Removal (350-gallon used-oil UST)																								
Excavation Bottom Samples																								
EB (7')	7.0	10/03/96	---	---	---	---	---	---	---	---	---	3.4	---	---	---	---	---	---	---	---	---	---	---	---
EB (8')	8.0	10/03/96	---	---	---	---	---	---	---	---	---	<0.2	---	---	---	---	---	---	---	---	---	---	---	---
Excavation Stockpile Composite Samples																								
STKP	1-4	10/03/96	---	---	---	---	<0.5	---	---	---	---	2.8	---	---	---	---	---	---	---	---	---	---	---	---
STKP-2	1-4	10/03/96	---	---	---	---	---	---	---	---	---	1.3	---	---	---	---	---	---	---	---	---	---	---	---
STKP-3	1-4	10/03/96	<2.5	4.5	78	<0.5	<0.5	33	9.1	14	62	---	<2.0	39	<2.0	<1.0	<2.0	33	130	<0.06	---	---	---	---
1996 Tank Removal Over-Excavation (350-gallon used-oil UST)																								
Excavation Sidewall Samples																								
SW1	8.5	11/13/96	---	---	---	---	<0.5	36	---	---	3.9	---	---	35	---	---	---	---	26	---	---	---	---	---
SW2	8.5	11/13/96	---	---	---	---	<0.5	33	---	---	4.5	---	---	44	---	---	---	---	28	---	---	---	---	---
SW3	8.5	11/13/96	---	---	---	---	<0.5	44	---	---	8.7	---	---	57	---	---	---	---	48	---	---	---	---	---
SW4	8.5	11/13/96	---	---	---	---	<0.5	26	---	---	6.3	---	---	40	---	---	---	---	37	---	---	---	---	---
Excavation Bottom Samples																								
EB (9')	9.0	11/13/96	---	---	---	---	<0.5	29	---	---	3.4	---	---	39	---	---	---	---	35	---	---	---	---	---
Excavation Stockpile Composite Samples																								
STKP	1-4	11/13/96	<2.5	<2.5	5.5	<0.5	<0.5	0.057	0.42	0.25	<3.0	---	<2.0	0.74	<2.5	<1.0	<0.5	0.37	0.52	<0.06	---	Negative	7.58	Negative
1997 Phase II Subsurface Investigation																						---	---	---
BH-1	15	01/08/97	---	---	---	---	---	---	---	---	15	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-2	15	01/08/97	---	---	---	---	---	---	---	---	8.4	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-3	15	01/08/97	---	---	---	---	---	---	---	---	7.6	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-4	15	01/08/97	---	---	---	---	---	---	---	---	6.2	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-5	15	01/08/97	---	---	---	---	---	---	---	---	4.6	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-6	15	01/08/97	---	---	---	---	---	---	---	---	23	---	---	---	---	---	---	---	---	---	---	---	---	---
1997 Additional Site Characterization																								
BH-7	12	08/07/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-7	16	08/07/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-8	8	08/07/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-8	12	08/07/97	---	---	---	---	---	---	---	---	12.8	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-8	16	08/07/97	---	---	---	---	---	---	---	---	47.8	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-9	8	08/07/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-9	12	08/07/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-9	16	08/07/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 6B
CUMULATIVE SOIL ANALYTICAL RESULTS - METALS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

			6010/6010B																7470	Cal LUFT	CA Title 22, Section 66261.21-66261.23		
Sample ID	Depth (feet)	Date Sampled	Total Antimony (mg/kg)	Total Arsenic (mg/kg)	Total Barium (mg/kg)	Total Beryllium (mg/kg)	Total Cadmium (mg/kg)	Total Chromium (mg/kg)	Total Cobalt (mg/kg)	Total Copper (mg/kg)	Total Lead (mg/kg)	STLC Lead (mg/L)	Total Molybdenum (mg/kg)	Total Nickel (mg/kg)	Total Selenium (mg/kg)	Total Silver (mg/kg)	Total Thallium (mg/kg)	Total Vanadium (mg/kg)	Total Zinc (mg/kg)	Total Mercury (mg/kg)	Organic Lead (mg/L)	Reactivity	pH	Ignitability
MW-1	10	08/07/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	17	08/07/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	10	08/07/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	17	08/07/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	10	08/07/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	15	08/07/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	10	08/07/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	17	08/07/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

2001 Additional Site Characterization
Not analyzed for these analytes.

2004 Soil and Groundwater Investigation
Not analyzed for these analytes.

2007 Soil and Groundwater Investigation
Not analyzed for these analytes.

2016 Soil Vapor Investigation
Not analyzed for these analytes.

2017 Subsurface Investigation
Not analyzed for these analytes.

TABLE 6B
CUMULATIVE SOIL ANALYTICAL RESULTS - METALS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Notes: Highlighted data is representative of soil removed from the site.

O&G	=	Oil and grease.
TPHd	=	Total petroleum hydrocarbons as diesel.
TPHg	=	Total petroleum hydrocarbons as gasoline.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes.
MTBE	=	Methyl tertiary butyl ether.
1,2-DCA	=	1,2-dichloroethane.
EDB	=	1,2-dibromoethane.
ETBE	=	Ethyl tertiary butyl ether.
DIPE	=	Di-isopropyl ether.
TAME	=	Tertiary amyl methyl ether.
TBA	=	Tertiary butyl alcohol.
VOCs	=	Volatile organic compounds.
SVOCs	=	Semi-volatile organic compounds.
PAHs	=	Polyaromatic hydrocarbons.
STLC	=	Soluble Threshold Limit Concentration.
mg/kg	=	Milligrams per kilogram.
ND	=	Not detected.
<	=	Less than the stated laboratory reporting limit.
---	=	Not sampled/Not analyzed.
*	=	Sample collected within the saturated zone
**	=	Sample collected beneath the saturated zone
a	=	Unmodified or weakly modified gasoline is significant.
b	=	Heavier gasoline-range compounds are significant.
c	=	Lighter gasoline-range compounds (the most mobile fraction) are significant.
d	=	Gasoline-range compounds having broad chromatographic peaks are significant.
e	=	Depth of sample uncertain due to minimal recovery in sampling sleeve.
f	=	Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
g	=	Oil-range compounds are significant.
h	=	Lighter than water immeiscible sheen is present.
i	=	Liquid sample that contains greater than ~5 vol. % sediment.
j	=	Estimated value below the reporting limit and above the method detection limit.
k	=	Analyzed by EPA Method 7421.
l	=	Total lead analyzed by EPA Method 7240
m	=	2-methylnaphthalene.
n	=	Chromatographic pattern does not match that of the specified standard.
o	=	No recognizable pattern.
p	=	Analyzed for ethanol only.

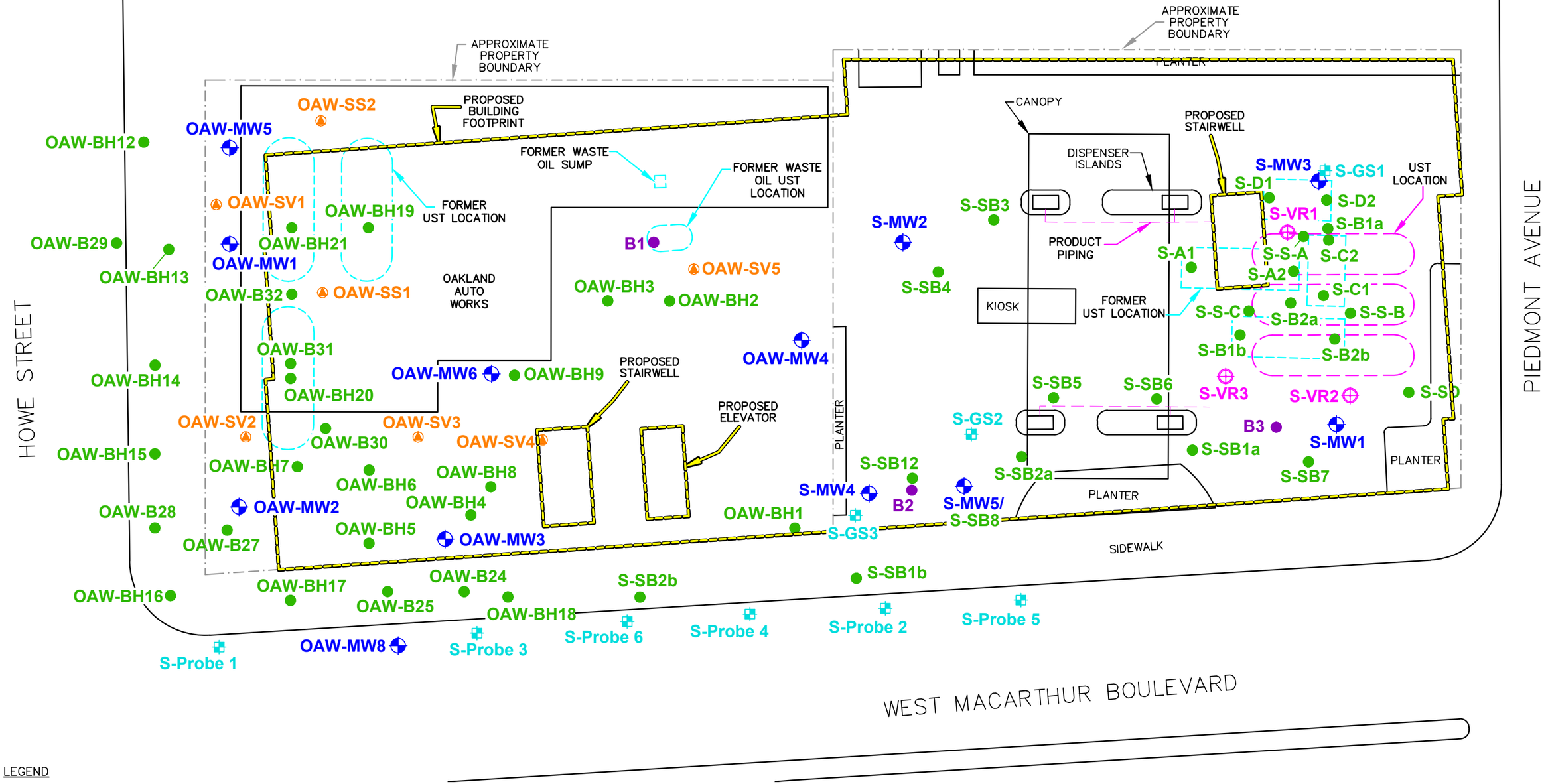
TABLE 7
CUMULATIVE SOIL VAPOR ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Sample ID	Depth (feet)	Date Sampled	TO-17 TPHd (µg/m³)	TO-17 TPHg (µg/m³)	8021B (VOCs) and 8015 (TPHg)/TO-15 (2016) TPHg (µg/m³)	B (µg/m³)	T (µg/m³)	E (µg/m³)	o-X (µg/m³)	pm-X (µg/m³)	X (µg/m³)	MTBE (µg/m³)	Naph-thalene (µg/m³)	PCE (µg/m³)	1,1-difluoro-ethane (µg/m³)	Add'l VOCs (µg/m³)	ASTM 1946 Oxygen (%)	Carbon Dioxide (%)	Methane (%)	Helium (%)
230 MacArthur Boulevard																				
Soil vapor samples not collected.																				
240 MacArthur Boulevard																				
2007 Soil Vapor Investigation																				
B30-SG-10	---	05/23/07	---	---	<25,000	<250	<250	<250	---	---	<250	<2,500	---	---	---	---	---	---	---	---
B30-SG-14	---	05/23/07	---	---	<25,000	<250	<250	<250	---	---	<250	<2,500	---	---	---	---	---	---	---	---
B30-SG-18	---	05/23/07	---	---	130,000,000k	1,000,000	29,000	41,000	---	---	40,000	<4,000,000	---	---	---	---	---	---	---	---
B31-SG-10	---	05/23/07	---	---	<25,000	<250	<250	<250	---	---	<250	<2,500	---	---	---	---	---	---	---	---
B31-SG-14	---	05/23/07	---	---	<25,000	<250	<250	<250	---	---	<250	<2,500	---	---	---	---	---	---	---	---
B32-SG-10	---	05/23/07	---	---	<25,000	<250	<250	<250	---	---	<250	<2,500	---	---	---	---	---	---	---	---
B32-SG-14	---	05/23/07	---	---	33,000 l	<250	<250	<250	---	---	<250	<2,500	---	---	---	---	---	---	---	---
B32-SG-18	---	05/23/07	---	---	53,000 l	<250	<250	<250	---	---	<250	<2,500	---	---	---	---	---	---	---	---
2012 Soil Vapor Investigaiton																				
MW-5-SV	9-19	09/14/12	---	---	8,300,000	ND	ND	ND	ND	ND	---	ND	ND	---	ND	---	5.18	---	---	---
MW-6-SV	9-19	09/14/12	---	---	5,600,000	ND	ND	ND	ND	ND	---	ND	ND	---	ND	---	3.03	---	---	---
MW-7-SV	9-19	09/14/12	---	---	290	ND	ND	ND	11.7	ND	---	ND	ND	---	ND	---	10.2	---	---	---
MW-8-SV	9-18	09/14/12	---	---	2,800,000	ND	ND	ND	ND	ND	---	ND	ND	---	ND	---	8.31	---	---	---
B32-SV	11-16	09/14/12	---	---	ND	ND	ND	ND	ND	ND	---	ND	ND	---	ND	---	3.07	---	---	---
2016 Soil Vapor Investigation																				
SV-1	0-5	09/23/16	---	---	830b	<0.87	<1.5	<1.3	<0.61	<2.0	<2.0	<0.89	<2.5	520	---	NDa	20	0.64	<0.049	<0.0047
SV-2	0-5	09/23/16	---	---	3,100b	2.7	<1.7	<1.4	2.4j	4.6j	7.0	<0.89	4.0	28	---	78c, 5.4d, 7.9e, 44m	4.1	3.8	<0.052	<0.0049
SV-3	0-5	09/23/16	---	---	17,600,000b	9,400j	<6,000	11,000j	2,400	<7,800	<7,800	<3,600	<10,000	<12,000	---	91,000h	2.6	5.9	<0.047	<0.0045
SV-4	0-5	09/23/16	---	---	1,350,000b	100	<150	<130	<61	<200	<200	<0.89	<250	<290	---	580h	2.5	5.4	<0.047	<0.0045
SV-5	0-5	09/23/16	<270	787,000	13,000,000g	<870	<1,500	3,500j	25,000	55,000	80,000	<890	8,000	<2,900	---	ND	1.2	11	0.12	<0.0045
SV-5 Dup	0-5	09/23/16	---	---	12,200,000g	<870	<1,500	2,900j	19,000	45,000	64,000	<890	5,300	<2,900	---	37,000e, 18,000f	1.7	11	<0.047	<0.0045
2016 Sub-Slab Soil Vapor Investigation																				
SS-1	---	09/23/16	<1,700	5,600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SS-2 i	---	09/23/16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 7
CUMULATIVE SOIL VAPOR ANALYTICAL RESULTS
Bayrock Oakland
230 and 240 West MacArthur Boulevard
Oakland, California

Notes:

TPHd	=	Total petroleum hydrocarbons as diesel.
TPHg	=	Total petroleum hydrocarbons as gasoline.
BTEX	=	Benzene, toluene, ethylbenzene, and xylenes.
MTBE	=	Methyl tertiary butyl ether.
PCE	=	Tetrachloroethene.
ASTM	=	American Society for Testing and Materials.
$\mu g/m^3$	=	Micrograms per cubit meter.
ND	=	Not detected.
<	=	Less than the stated laboratory reporting limit.
---	=	Not sampled/Not analyzed.
a	=	Additional VOCs reported below the reporting limit not listed.
b	=	Does not match the gasoline reference standard but is within the C5-C12 quantitation range (discrete peak).
c	=	Carbon disulfide.
d	=	4-Methyl-2-Pentanone (MIBK).
e	=	1,2,4-Trimethylbenzene
f	=	1,3,5-Trimethylbenzene.
g	=	Although TPHg constituents are present, the pattern is not a match to gasoline standard but is within the C5-C12 quantitation range (possible aged gasoline or fuel heavier than gasoline but lighter than diesel).
h	=	Hexane.
i	=	Samples collected from well could not be analyzed due to laboratory equipment issues.
j	=	Estimated value below the reporting limit and above the method detection limit.
k	=	Unmodified or weakly modified gasoline is significant; lighter gasoline range compounds (the most mobile fraction) are significant.
l	=	No recognizable pattern.
m	=	Chloroform.



LEGEND

OAW-MW8	OAKLAND AUTO WORKS GROUNDWATER MONITORING WELL	S-MW5	SHELL GROUNDWATER MONITORING WELL
OAW-BH20	OAKLAND AUTO WORKS SOIL BORING LOCATIONS (1997 THROUGH 2004)	S-VR3	SHELL SOIL VENTING WELL LOCATION (1987)
OAW-B33	OAKLAND AUTO WORKS SOIL BORING LOCATIONS (2007)	S-Probe 6	SHELL GRAB GROUNDWATER SAMPLING LOCATION (1989 THROUGH 1990)
OAW-SV5	OAKLAND AUTO WORKS SOIL VAPOR PROBES (2016)	S-SB2b	SHELL SOIL BORING LOCATIONS (1986 THROUGH 2004)
OAW-SS2	OAKLAND AUTO WORKS SUB-SLAB PROBES (2016)	B3	SOIL BORING LOCATIONS (CARDNO, 2017)

0 20 40
SCALE, FT

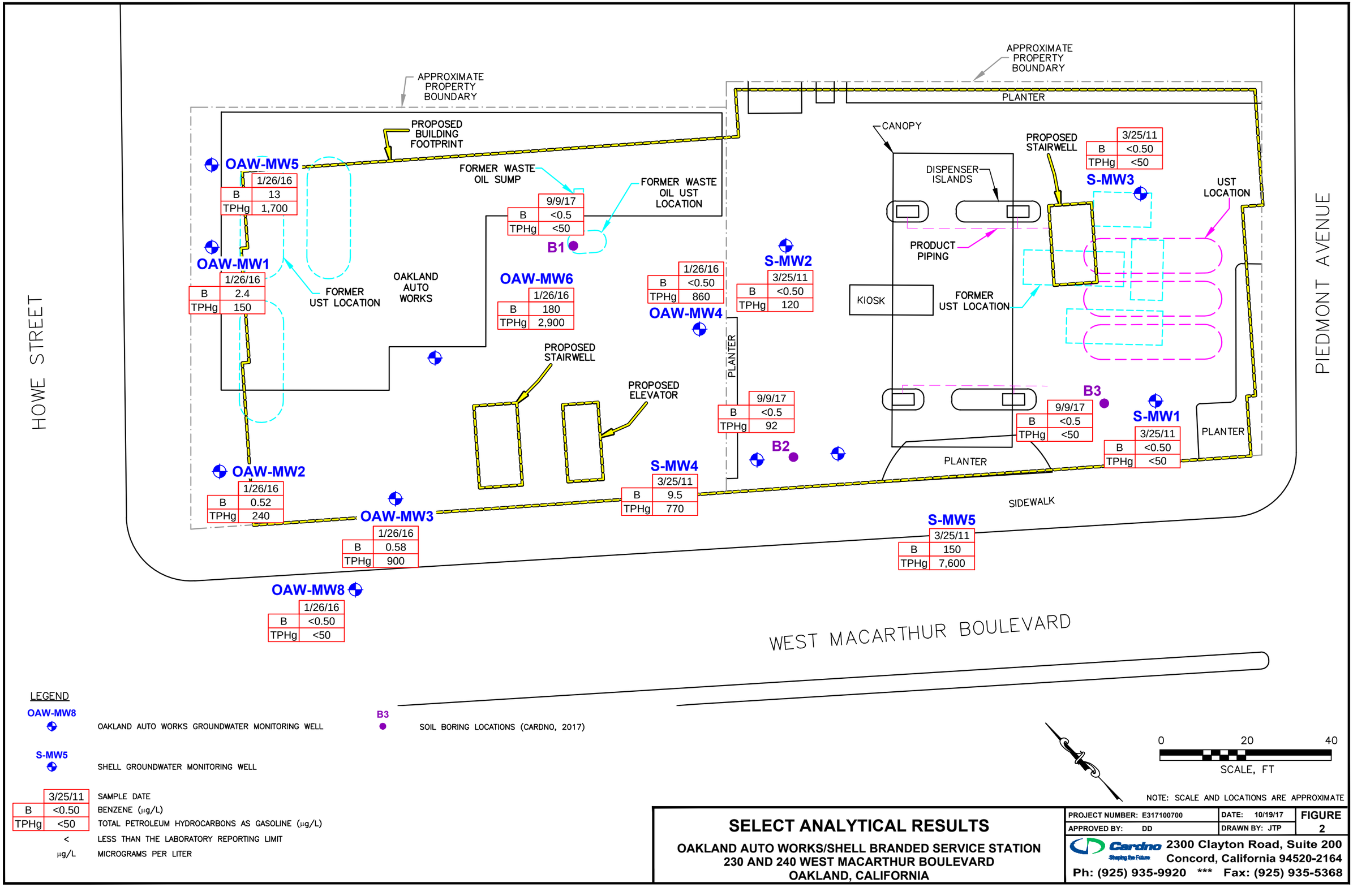
NOTE: SCALE AND LOCATIONS ARE APPROXIMATE

GENERALIZED SITE PLAN

OAKLAND AUTO WORKS/SHELL BRANDED SERVICE STATION
230 AND 240 WEST MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

PROJECT NUMBER: E317100700	DATE: 10/19/17	FIGURE 1
APPROVED BY: DD	DRAWN BY: JTP	

Cardno Shaping the Future
2300 Clayton Road, Suite 200
Concord, California 94520-2164
Ph: (925) 935-9920 *** Fax: (925) 935-5368



LEGEND

OAW-MW8	OAKLAND AUTO WORKS GROUNDWATER MONITORING WELL
S-MW5	SHELL GROUNDWATER MONITORING WELL
B3	SOIL BORING LOCATIONS (CARDNO, 2017)

3/25/11	SAMPLE DATE
B <0.50	BENZENE (µg/L)
TPHg <50	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (µg/L)
<	LESS THAN THE LABORATORY REPORTING LIMIT
µg/L	MICROGRAMS PER LITER

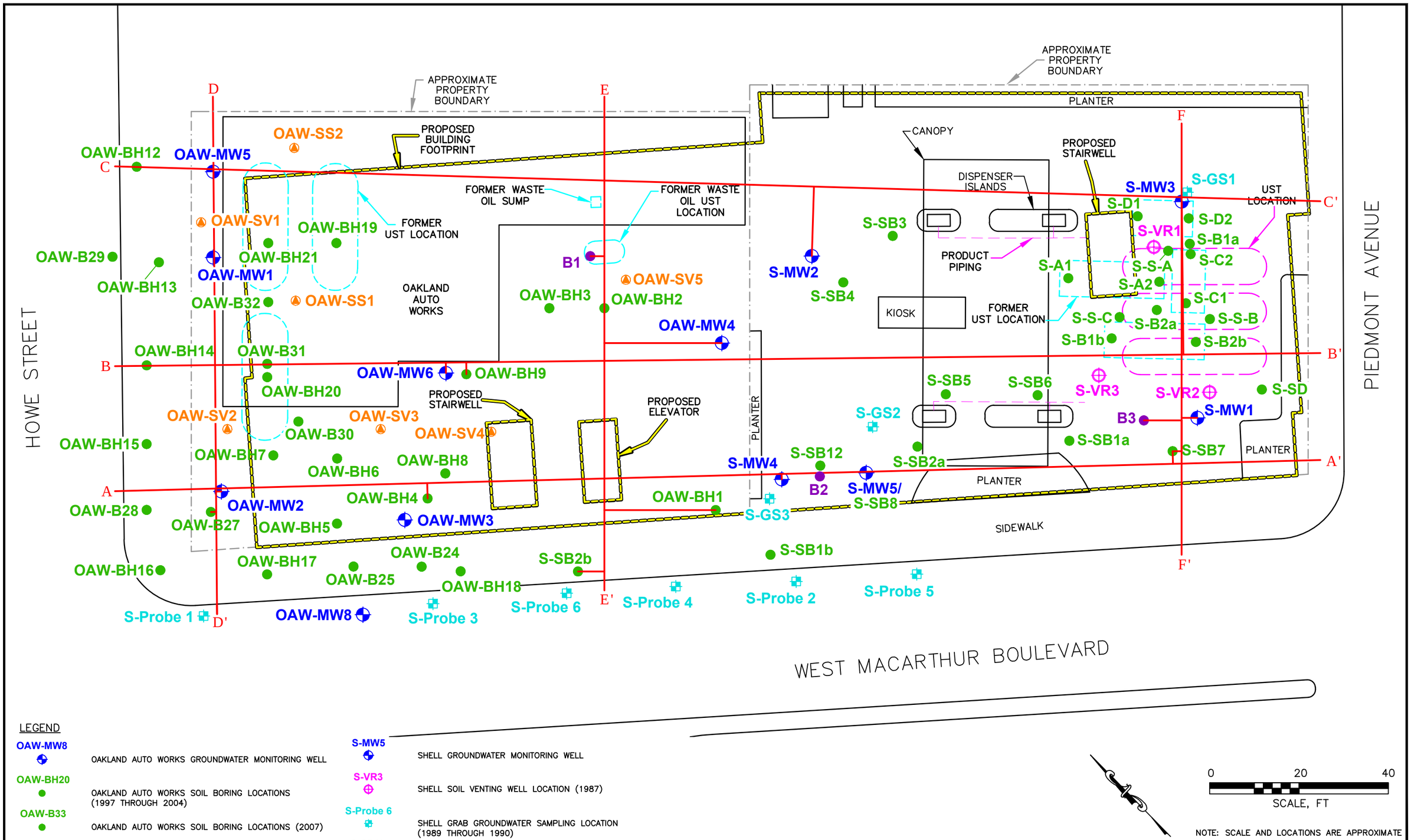
NOTE: SCALE AND LOCATIONS ARE APPROXIMATE

SELECT ANALYTICAL RESULTS

OAKLAND AUTO WORKS/SHELL BRANDED SERVICE STATION
230 AND 240 WEST MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

PROJECT NUMBER: E317100700	DATE: 10/19/17	FIGURE 2
APPROVED BY: DD	DRAWN BY: JTP	

Cardno Shaping the Future
2300 Clayton Road, Suite 200
Concord, California 94520-2164
Ph: (925) 935-9920 *** Fax: (925) 935-5368



LEGEND

OAW-MW8	OAKLAND AUTO WORKS GROUNDWATER MONITORING WELL	S-MW5	SHELL GROUNDWATER MONITORING WELL
OAW-BH20	OAKLAND AUTO WORKS SOIL BORING LOCATIONS (1997 THROUGH 2004)	S-VR3	SHELL SOIL VENTING WELL LOCATION (1987)
OAW-B33	OAKLAND AUTO WORKS SOIL BORING LOCATIONS (2007)	S-Probe 6	SHELL GRAB GROUNDWATER SAMPLING LOCATION (1989 THROUGH 1990)
OAW-SV5	OAKLAND AUTO WORKS SOIL VAPOR PROBES (2016)	S-SB2b	SHELL SOIL BORING LOCATIONS (1986 THROUGH 2004)
OAW-SS2	OAKLAND AUTO WORKS SUB-SLAB PROBES (2016)	B3	SOIL BORING LOCATIONS (CARDNO, 2017)
		F — F'	CROSS-SECTION LINES

0 20 40
SCALE, FT

NOTE: SCALE AND LOCATIONS ARE APPROXIMATE

CROSS SECTIONS LOCATION MAP

OAKLAND AUTO WORKS/SHELL BRANDED SERVICE STATION
230 AND 240 WEST MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

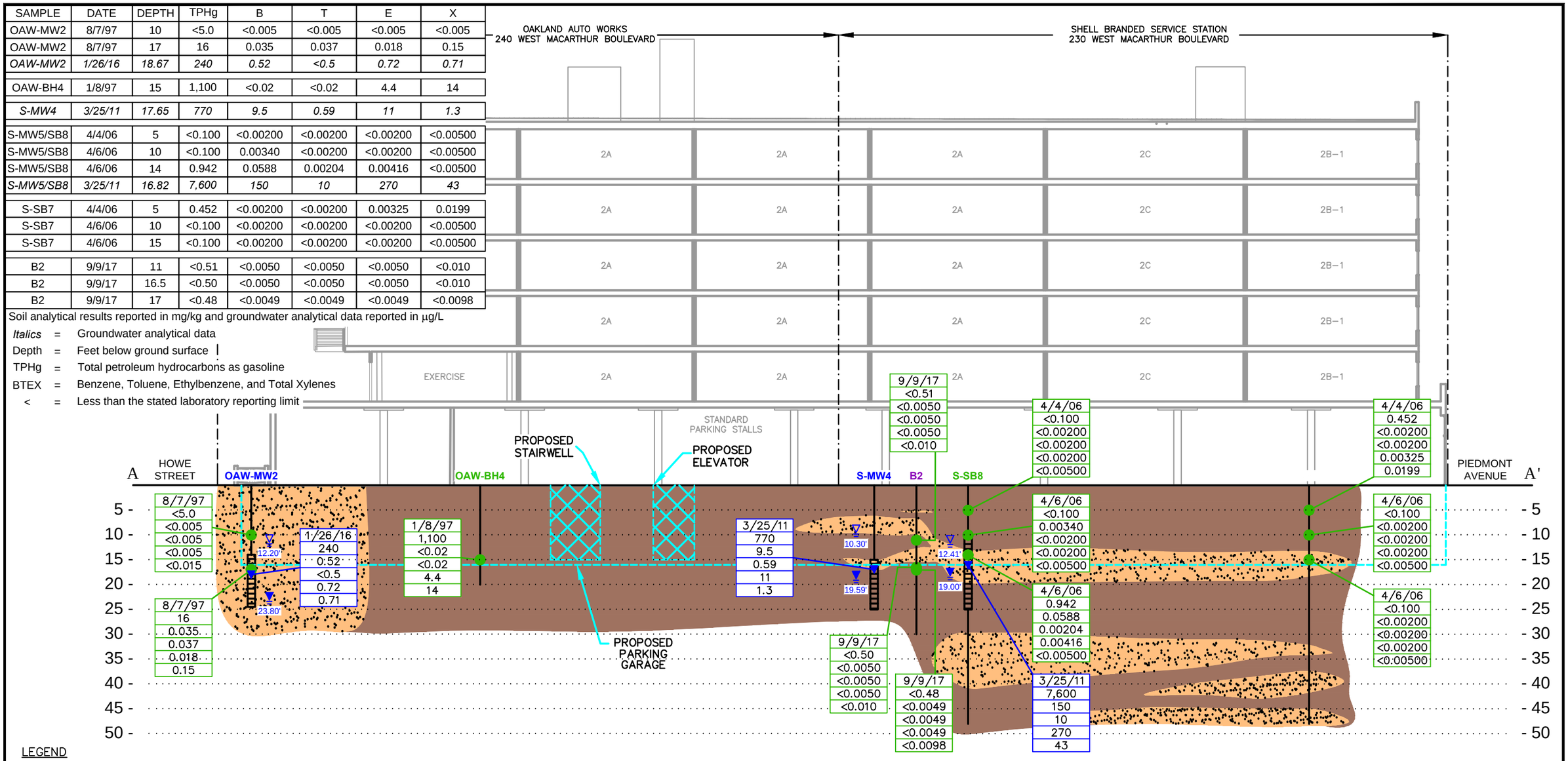
PROJECT NUMBER: E317100700	DATE: 10/19/17	FIGURE 3
APPROVED BY: DD	DRAWN BY: JTP	

Cardno Shaping the Future
2300 Clayton Road, Suite 200
Concord, California 94520-2164
Ph: (925) 935-9920 *** Fax: (925) 935-5368

SAMPLE	DATE	DEPTH	TPHg	B	T	E	X
OAW-MW2	8/7/97	10	<5.0	<0.005	<0.005	<0.005	<0.005
OAW-MW2	8/7/97	17	16	0.035	0.037	0.018	0.15
OAW-MW2	*1/26/16*	*18.67*	*240*	*0.52*	*<0.5*	*0.72*	*0.71*
OAW-BH4	1/8/97	15	1,100	<0.02	<0.02	4.4	14
S-MW4	*3/25/11*	*17.65*	*770*	*9.5*	*0.59*	*11*	*1.3*
S-MW5/SB8	4/4/06	5	<0.100	<0.00200	<0.00200	<0.00200	<0.00500
S-MW5/SB8	4/6/06	10	<0.100	0.00340	<0.00200	<0.00200	<0.00500
S-MW5/SB8	4/6/06	14	0.942	0.0588	0.00204	0.00416	<0.00500
S-MW5/SB8	*3/25/11*	*16.82*	*7,600*	*150*	*10*	*270*	*43*
S-SB7	4/4/06	5	0.452	<0.00200	<0.00200	0.00325	0.0199
S-SB7	4/6/06	10	<0.100	<0.00200	<0.00200	<0.00200	<0.00500
S-SB7	4/6/06	15	<0.100	<0.00200	<0.00200	<0.00200	<0.00500
B2	9/9/17	11	<0.51	<0.0050	<0.0050	<0.0050	<0.010
B2	9/9/17	16.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
B2	9/9/17	17	<0.48	<0.0049	<0.0049	<0.0049	<0.0098

Soil analytical results reported in mg/kg and groundwater analytical data reported in µg/L

Italics = Groundwater analytical data
Depth = Feet below ground surface
TPHg = Total petroleum hydrocarbons as gasoline
BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
< = Less than the stated laboratory reporting limit



LEGEND

OAW-MW2	OAKLAND AUTO WORKS GROUNDWATER MONITORING WELL
S-MW5	SHELL GROUNDWATER MONITORING WELL
OAW-BH4	OAKLAND AUTO WORKS SOIL BORING LOCATIONS (1997 THROUGH 2004)
S-SB8	SHELL SOIL BORING LOCATIONS (1986 THROUGH 2004)
B2	SOIL BORING LOCATION (CARDNO, 2017)
	WELL SCREENED INTERVAL
A ——— A'	CROSS–SECTION LINE
– — · –	APPROXIMATE PROPERTY BOUNDARY

	1/8/97	
		Sampling date
TPHg	1,100°	Total petroleum hydrocarbons as gasoline (mg/kg)
B	<0.02	Benzene (mg/kg)
T	<0.02	Toluene (mg/kg)
E	4.4	Ethylbenzene (mg/kg)
X	14	Total xylenes (mg/kg)

< Less than the stated laboratory reporting limit
mg/kg Milligrams per kilogram
° No recognizable pattern

	3/25/11	
		Sampling date
TPHg	7,600	Total petroleum hydrocarbons as gasoline (µg/L)
B	150	Benzene (µg/L)
T	10	Toluene (µg/L)
E	270	Ethylbenzene (µg/L)
X	43	Total xylenes (µg/L)

< Less than the stated laboratory reporting limit
µg/L Micrograms per cubic liter

▽ 12.20' MINIMUM DEPTH OF GROUNDWATER (FEET BELOW TOP OF CASING)
▼ 23.80' MAXIMUM DEPTH OF GROUNDWATER (FEET BELOW TOP OF CASING)

COARSE GRAINED MATERIAL
FINE GRAINED MATERIAL

0 20 40
HORIZONTAL AND VERTICAL SCALE IN FEET

NOTE: SCALE AND LOCATIONS ARE APPROXIMATE

CROSS SECTION A-A'

OAKLAND AUTO WORKS/SHELL BRANDED SERVICE STATION
230 AND 240 WEST MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

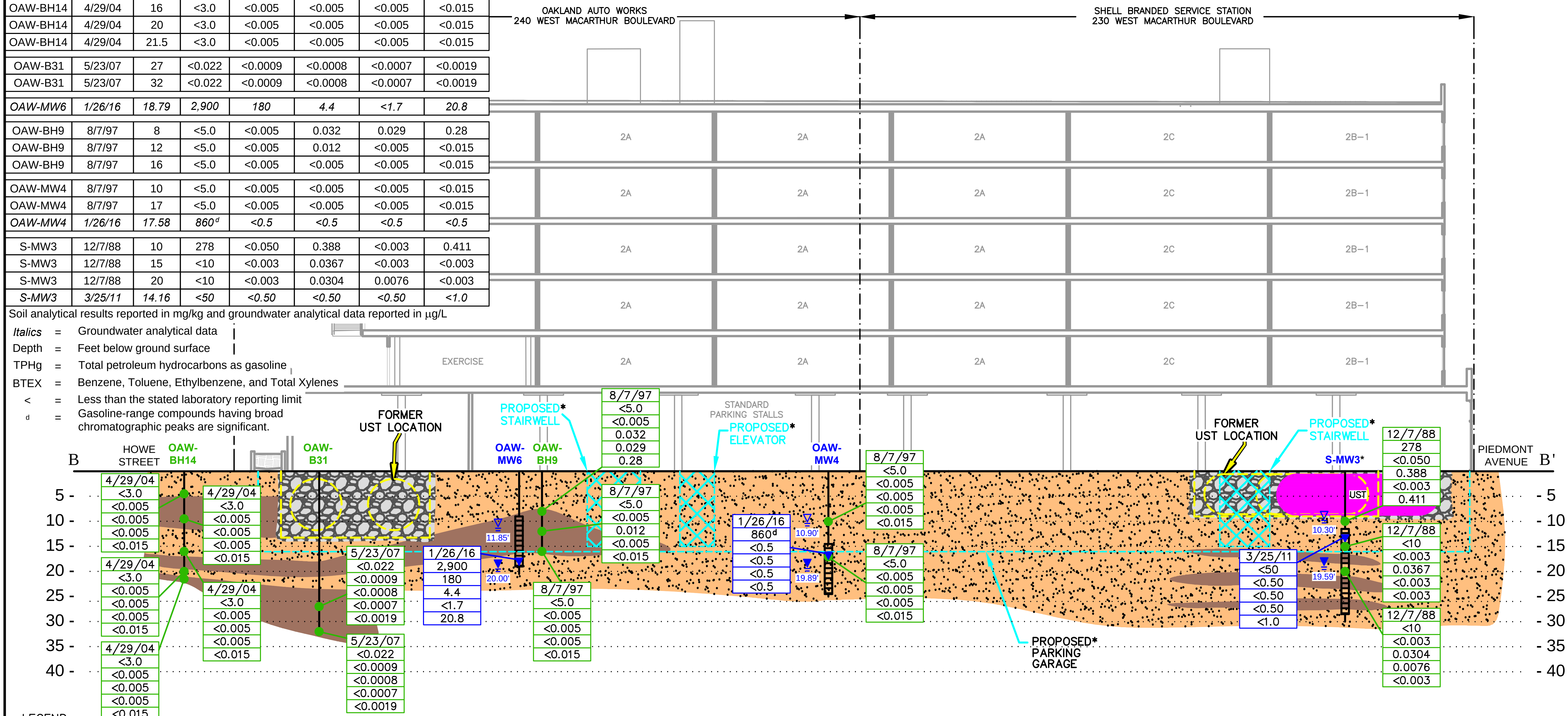
PROJECT NUMBER: E317100700	DATE: 10/19/17	FIGURE 4
APPROVED BY: DD	DRAWN BY: JTP	

Cardno Shaping the Future
2300 Clayton Road, Suite 200
Concord, California 94520-2164
Ph: (925) 935-9920 *** Fax: (925) 935-5368

SAMPLE	DATE	DEPTH	TPHg	B	T	E	X
OAW-BH14	4/29/04	4.5	<3.0	<0.005	<0.005	<0.005	<0.015
OAW-BH14	4/29/04	9.5	<3.0	<0.005	<0.005	<0.005	<0.015
OAW-BH14	4/29/04	16	<3.0	<0.005	<0.005	<0.005	<0.015
OAW-BH14	4/29/04	20	<3.0	<0.005	<0.005	<0.005	<0.015
OAW-BH14	4/29/04	21.5	<3.0	<0.005	<0.005	<0.005	<0.015
OAW-B31	5/23/07	27	<0.022	<0.0009	<0.0008	<0.0007	<0.0019
OAW-B31	5/23/07	32	<0.022	<0.0009	<0.0008	<0.0007	<0.0019
OAW-MW6	*1/26/16*	*18.79*	*2,900*	*180*	*4.4*	*<1.7*	*20.8*
OAW-BH9	8/7/97	8	<5.0	<0.005	0.032	0.029	0.28
OAW-BH9	8/7/97	12	<5.0	<0.005	0.012	<0.005	<0.015
OAW-BH9	8/7/97	16	<5.0	<0.005	<0.005	<0.005	<0.015
OAW-MW4	8/7/97	10	<5.0	<0.005	<0.005	<0.005	<0.015
OAW-MW4	8/7/97	17	<5.0	<0.005	<0.005	<0.005	<0.015
OAW-MW4	*1/26/16*	*17.58*	*860[d]*	*<0.5*	*<0.5*	*<0.5*	*<0.5*
S-MW3	12/7/88	10	278	<0.050	0.388	<0.003	0.411
S-MW3	12/7/88	15	<10	<0.003	0.0367	<0.003	<0.003
S-MW3	12/7/88	20	<10	<0.003	0.0304	0.0076	<0.003
S-MW3	*3/25/11*	*14.16*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*

Soil analytical results reported in mg/kg and groundwater analytical data reported in μg/L

Italics = Groundwater analytical data
Depth = Feet below ground surface
TPHg = Total petroleum hydrocarbons as gasoline
BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
< = Less than the stated laboratory reporting limit
d = Gasoline-range compounds having broad chromatographic peaks are significant.



LEGEND

OAW-MW6 OAKLAND AUTO WORKS GROUNDWATER MONITORING WELL

S-MW3 SHELL GROUNDWATER MONITORING WELL

OAW-BH14 OAKLAND AUTO WORKS SOIL BORING LOCATIONS (1997 THROUGH 2004)

WELL SCREENED INTERVAL

B —— B' CROSS–SECTION LINE

APPROXIMATE PROPERTY BOUNDARY

11.85' MINIMUM DEPTH OF GROUNDWATER (FEET BELOW TOP OF CASING)

20.00' MAXIMUM DEPTH OF GROUNDWATER (FEET BELOW TOP OF CASING)

* BOREHOLE AND PROPOSED ELEVATOR/STAIRWELL PROJECTED INTO CROSS–SECTION

	12/7/88	Sampling date
TPHg	<10	Total petroleum hydrocarbons as gasoline (mg/kg)
B	<0.003	Benzene (mg/kg)
T	0.0304	Toluene (mg/kg)
E	0.0076	Ethylbenzene (mg/kg)
X	<0.003	Total xylenes (mg/kg)

< Less than the stated laboratory reporting limit

mg/kg Milligrams per kilogram

COARSE GRAINED MATERIAL

FINE GRAINED MATERIAL

BACK FILL MATERIAL

	1/26/16	Sampling date
TPHg	860[d]	Total petroleum hydrocarbons as gasoline (μg/L)
B	<0.5	Benzene (μg/L)
T	<0.5	Toluene (μg/L)
E	<0.5	Ethylbenzene (μg/L)
X	<0.5	Total xylenes (μg/L)

< Less than the stated laboratory reporting limit

μg/L Micrograms per cubic liter

d Gasoline–range compounds having broad chromatographic peaks are significant

0 20 40
HORIZONTAL AND VERTICAL SCALE IN FEET

NOTE: SCALE AND LOCATIONS ARE APPROXIMATE

CROSS SECTION B-B'

OAKLAND AUTO WORKS/SHELL BRANDED SERVICE STATION
230 AND 240 WEST MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

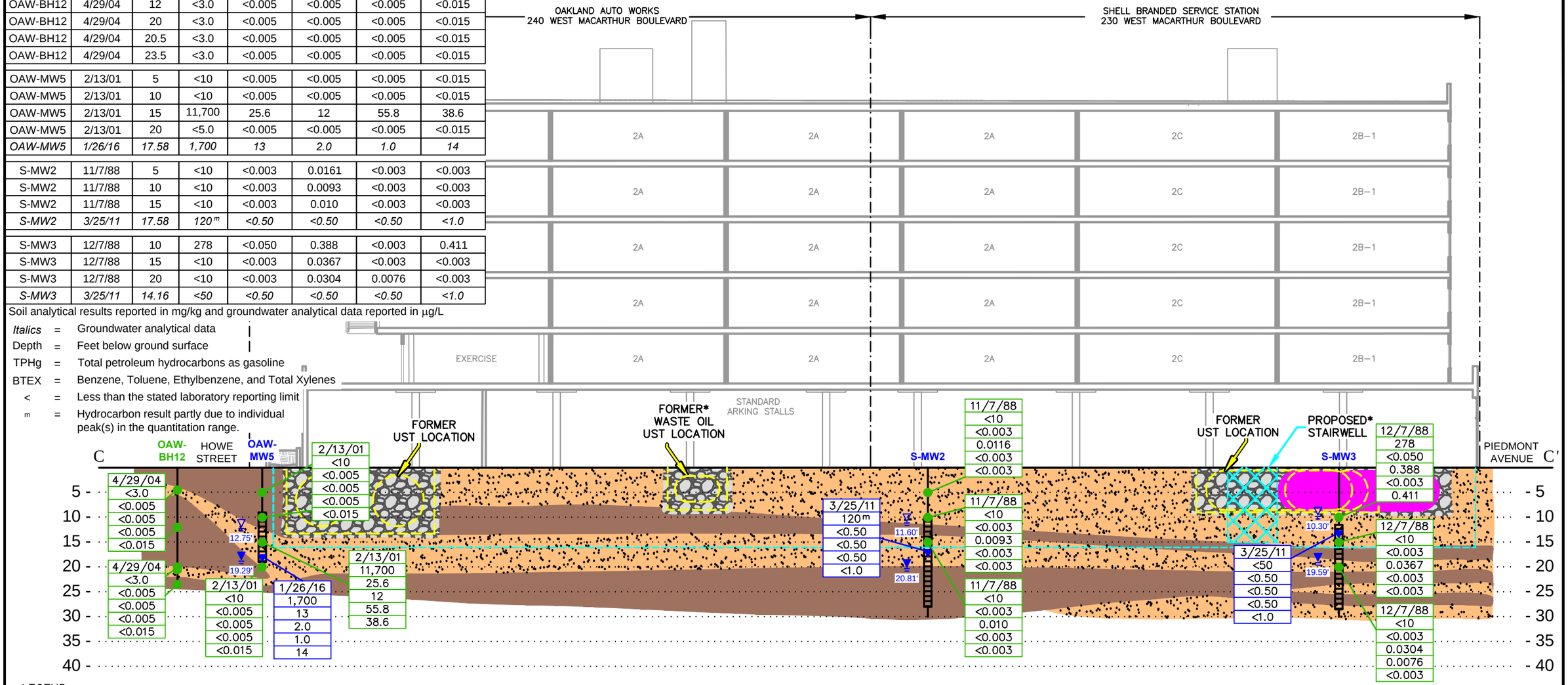
PROJECT NUMBER: E317100700 | DATE: 10/19/17 | FIGURE 5
APPROVED BY: DD | DRAWN BY: JTP

Cardno Shaping the Future
2300 Clayton Road, Suite 200
Concord, California 94520-2164
Ph: (925) 935-9920 *** Fax: (925) 935-5368

SAMPLE	DATE	DEPTH	TPHg	B	T	E	X
OAW-BH12	4/29/04	4.5	<3.0	<0.005	<0.005	<0.005	<0.015
OAW-BH12	4/29/04	9.5	<3.0	<0.005	<0.005	<0.005	<0.015
OAW-BH12	4/29/04	12	<3.0	<0.005	<0.005	<0.005	<0.015
OAW-BH12	4/29/04	20	<3.0	<0.005	<0.005	<0.005	<0.015
OAW-BH12	4/29/04	20.5	<3.0	<0.005	<0.005	<0.005	<0.015
OAW-BH12	4/29/04	23.5	<3.0	<0.005	<0.005	<0.005	<0.015
OAW-MW5	2/13/01	5	<10	<0.005	<0.005	<0.005	<0.015
OAW-MW5	2/13/01	10	<10	<0.005	<0.005	<0.005	<0.015
OAW-MW5	2/13/01	15	11,700	25.6	12	55.8	38.6
OAW-MW5	2/13/01	20	<5.0	<0.005	<0.005	<0.005	<0.015
OAW-MW5	*1/26/16*	*17.58*	*1,700*	*13*	*2.0*	*1.0*	*14*
S-MW2	11/7/88	5	<10	<0.003	0.0161	<0.003	<0.003
S-MW2	11/7/88	10	<10	<0.003	0.0093	<0.003	<0.003
S-MW2	11/7/88	15	<10	<0.003	0.010	<0.003	<0.003
S-MW2	*3/25/11*	*17.58*	*120 m*	*<0.50*	*<0.50*	*<0.50*	*<1.0*
S-MW3	12/7/88	10	278	<0.050	0.388	<0.003	0.411
S-MW3	12/7/88	15	<10	<0.003	0.0367	<0.003	<0.003
S-MW3	12/7/88	20	<10	<0.003	0.0304	0.0076	<0.003
S-MW3	*3/25/11*	*14.16*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*

Soil analytical results reported in mg/kg and groundwater analytical data reported in µg/L

Italics = Groundwater analytical data
Depth = Feet below ground surface
TPHg = Total petroleum hydrocarbons as gasoline
BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
< = Less than the stated laboratory reporting limit
m = Hydrocarbon result partly due to individual peak(s) in the quantitation range.



LEGEND

OAW-MW5	OAKLAND AUTO WORKS GROUNDWATER MONITORING WELL
S-MW3	SHELL GROUNDWATER MONITORING WELL
OAW-BH12	OAKLAND AUTO WORKS SOIL BORING LOCATIONS (1997 THROUGH 2004)
	WELL SCREENED INTERVAL
C —— C'	CROSS–SECTION LINE
— — · —	APPROXIMATE PROPERTY BOUNDARY
11.60'	MINIMUM DEPTH OF GROUNDWATER (FEET BELOW TOP OF CASING)
20.81'	MAXIMUM DEPTH OF GROUNDWATER (FEET BELOW TOP OF CASING)
*	PROPOSED STAIRWELL AND FORMER WASTE OIL UST PROJECTED INTO CROSS–SECTION

	2/13/01	
TPHg	11,700	Total petroleum hydrocarbons as gasoline (mg/kg)
B	25.6	Benzene (mg/kg)
T	12	Toluene (mg/kg)
E	55.8	Ethylbenzene (mg/kg)
X	38.6	Total xylenes (mg/kg)

2/13/01 Sampling date
< Less than the stated laboratory reporting limit
mg/kg Milligrams per kilogram

	3/25/11	
TPHg	120m	Total petroleum hydrocarbons as gasoline (µg/L)
B	<0.50	Benzene (µg/L)
T	<0.50	Toluene (µg/L)
E	<0.50	Ethylbenzene (µg/L)
X	<1.0	Total xylenes (µg/L)

3/25/11 Sampling date
< Less than the stated laboratory reporting limit
µg/L Micrograms per cubic liter
m Hydrocarbon result partly due to individual peak(s) in the quantitation range

COARSE GRAINED MATERIAL
FINE GRAINED MATERIAL
BACK FILL MATERIAL

0 20 40
HORIZONTAL AND VERTICAL SCALE IN FEET

NOTE: SCALE AND LOCATIONS ARE APPROXIMATE

CROSS SECTION C-C'

OAKLAND AUTO WORKS/SHELL BRANDED SERVICE STATION
230 AND 240 WEST MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

PROJECT NUMBER: E317100700	DATE: 10/19/17	FIGURE 6
APPROVED BY: DD	DRAWN BY: JTP	

Cardno Shaping the Future
2300 Clayton Road, Suite 200
Concord, California 94520-2164
Ph: (925) 935-9920 *** Fax: (925) 935-5368

SAMPLE	DATE	DEPTH	TPHg	B	T	E	X
OAW-MW5	2/13/01	5	<10	<0.005	<0.005	<0.005	<0.015
OAW-MW5	2/13/01	10	<10	<0.005	<0.005	<0.005	<0.015
OAW-MW5	2/13/01	15	11,700	25.6	12	55.8	38.6
OAW-MW5	2/13/01	20	<5.0	<0.005	<0.005	<0.005	<0.015
OAW-MW5	*1/26/16*	*17.58*	*1,700*	*13*	*2.0*	*1.0*	*14*
OAW-MW1	8/7/97	10	<5.0	<0.005	<0.005	<0.005	<0.015
OAW-MW1	8/7/97	17	<5.0	<0.005	0.031	<0.005	<0.015
OAW-MW1	*1/26/16*	*18.83*	*150*	*2.4*	*<0.5*	*<0.5*	*1.6*
OAW-MW2	8/7/97	10	<5.0	<0.005	<0.005	<0.005	<0.015
OAW-MW2	8/7/97	17	16	0.035	0.037	0.018	0.15
OAW-MW2	*1/26/16*	*18.67*	*240*	*0.52*	*<0.5*	*0.72*	*0.71*
OAW-B27	5/23/07	11	<0.022	<0.0009	<0.0008	<0.0007	<0.0019
OAW-B27	5/23/07	13	<0.022	<0.0009	<0.0008	<0.0007	<0.0019
OAW-B27	5/23/07	15	<0.022	<0.0009	<0.0008	<0.0007	<0.0019
OAW-B27	5/23/07	17	<0.022	<0.0009	<0.0008	<0.0007	<0.0019
OAW-B27	5/23/07	19	<0.022	<0.0009	<0.0008	<0.0007	<0.0019

Soil analytical results reported in mg/kg and groundwater analytical data reported in µg/L

Italics = Groundwater analytical data
Depth = Feet below ground surface
TPHg = Total petroleum hydrocarbons as gasoline
BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
< = Less than the stated laboratory reporting limit

LEGEND

OAW-MW5 OAKLAND AUTO WORKS GROUNDWATER MONITORING WELL

OAW-B27 OAKLAND AUTO WORKS SOIL BORING LOCATIONS (1997 THROUGH 2004)

WELL SCREENED INTERVAL

D ——— D' CROSS-SECTION LINE

APPROXIMATE PROPERTY BOUNDARY

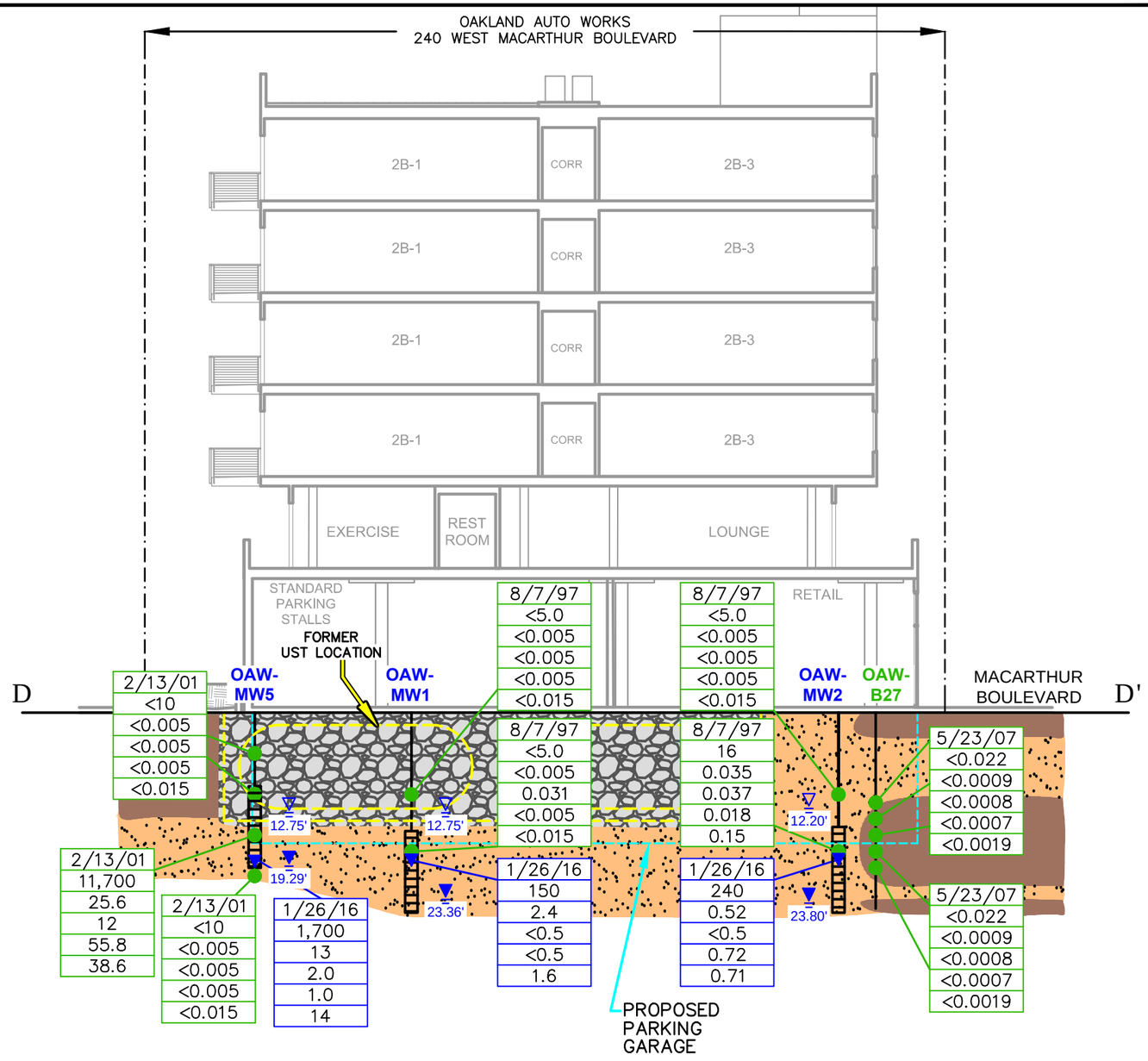
12.20' MINIMUM DEPTH OF GROUNDWATER (FEET BELOW TOP OF CASING)

23.80' MAXIMUM DEPTH OF GROUNDWATER (FEET BELOW TOP OF CASING)

COARSE GRAINED MATERIAL

FINE GRAINED MATERIAL

BACK FILL MATERIAL



	2/13/01	Sampling date
TPHg	11,700	Total petroleum hydrocarbons as gasoline (mg/kg)
B	25.6	Benzene (mg/kg)
T	12	Toluene (mg/kg)
E	55.8	Ethylbenzene (mg/kg)
X	38.6	Total xylenes (mg/kg)

< Less than the stated laboratory reporting limit

mg/kg Milligrams per kilogram

	1/26/16	Sampling date
TPHg	1,700	Total petroleum hydrocarbons as gasoline (µg/L)
B	13	Benzene (µg/L)
T	2.0	Toluene (µg/L)
E	1.0	Ethylbenzene (µg/L)
X	14	Total xylenes (µg/L)

< Less than the stated laboratory reporting limit

µg/L Micrograms per cubic liter

0 16 32

HORIZONTAL AND VERTICAL SCALE IN FEET

NOTE: SCALE AND LOCATIONS ARE APPROXIMATE

CROSS SECTION D-D'

OAKLAND AUTO WORKS/SHELL BRANDED SERVICE STATION
230 AND 240 WEST MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

PROJECT NUMBER: E317100700 | DATE: 10/19/17 | FIGURE 7
APPROVED BY: DD | DRAWN BY: JTP

Cardno Shaping the Future
2300 Clayton Road, Suite 200
Concord, California 94520-2164
Ph: (925) 935-9920 *** Fax: (925) 935-5368

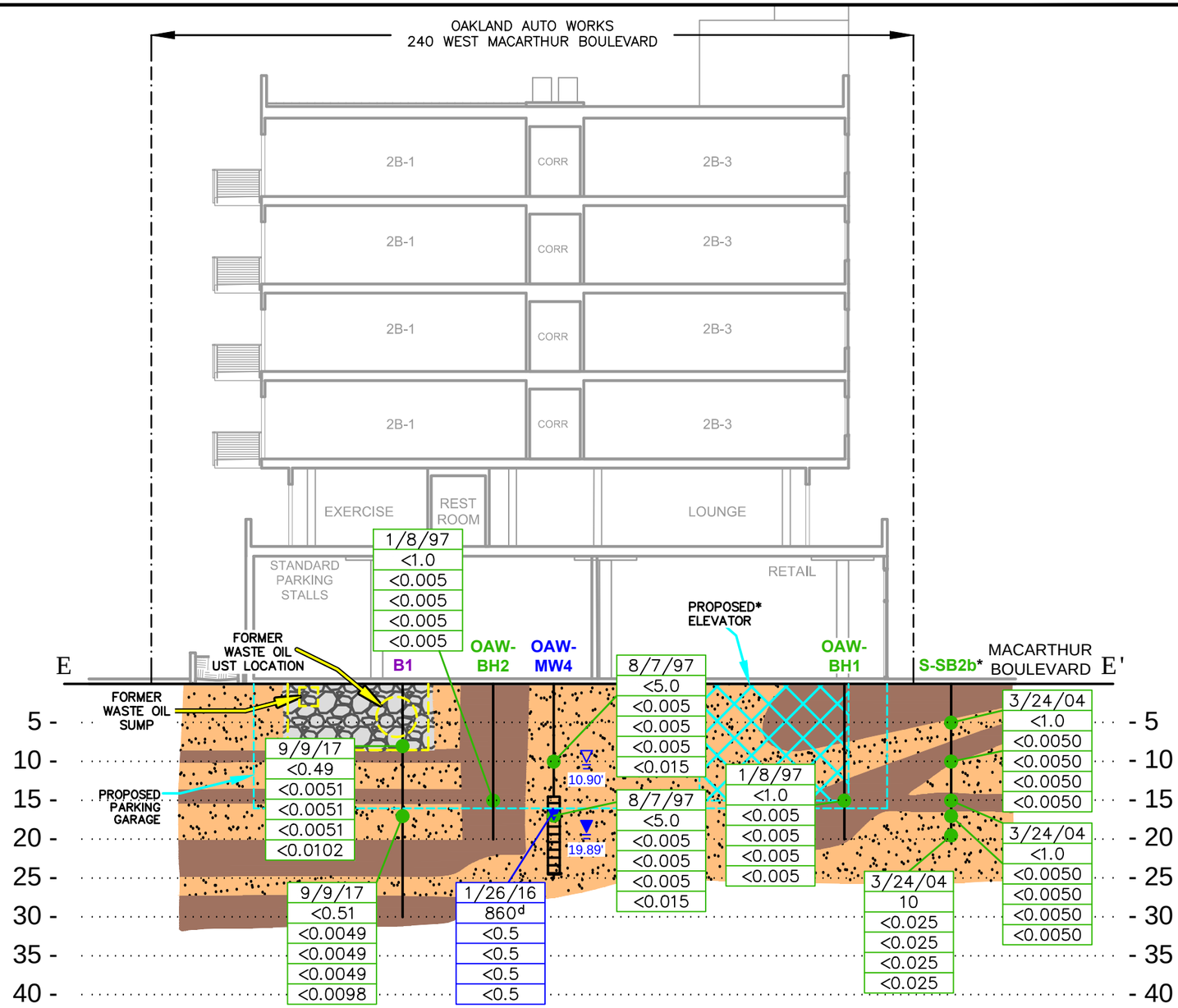
SAMPLE	DATE	DEPTH	TPHg	B	T	E	X
OAW-BH1	1/8/97	15	<1.0	<0.005	<0.005	<0.005	<0.005
OAW-BH2	1/8/97	15	<1.0	<0.005	<0.005	<0.005	<0.005
OAW-MW4	8/7/97	10	<5.0	<0.005	<0.005	<0.005	<0.015
OAW-MW4	8/7/97	17	<5.0	<0.005	<0.005	<0.005	<0.015
OAW-MW4	*1/26/16*	*17.58*	*860[d]*	*<0.5*	*<0.5*	*<0.5*	*<0.5*
S-SB2b	3/24/04	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
S-SB2b	3/24/04	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
S-SB2b	3/24/04	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
S-SB2b	3/24/04	17	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
S-SB2b	3/24/04	19.5	10	<0.025	<0.025	<0.025	<0.025
B1	9/9/17	8	<0.49	<0.0051	<0.0051	<0.0051	<0.0102
B1	9/9/17	17	<0.51	<0.0049	<0.0049	<0.0049	<0.0098

Soil analytical results reported in mg/kg and groundwater analytical data reported in µg/L

Italics = Groundwater analytical data
Depth = Feet below ground surface
TPHg = Total petroleum hydrocarbons as gasoline
BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
< = Less than the stated laboratory reporting limit
[d] = Gasoline-range compounds having broad chromatographic peaks are significant.

LEGEND

- **OAW-MW4** — OAKLAND AUTO WORKS GROUNDWATER MONITORING WELL
- **OAW-BH2** — OAKLAND AUTO WORKS SOIL BORING LOCATIONS (1997 THROUGH 2004)
- **S-SB2b** — SHELL SOIL BORING LOCATIONS (1986 THROUGH 2004)
- **B1** — SOIL BORING LOCATION (CARDNO, 2017)
- WELL SCREENED INTERVAL
- E —— E' CROSS-SECTION LINE
- APPROXIMATE PROPERTY BOUNDARY
- COARSE GRAINED MATERIAL
- FINE GRAINED MATERIAL
- BACK FILL MATERIAL
- 10.90' MINIMUM DEPTH OF GROUNDWATER (FEET BELOW TOP OF CASING)
- 19.89' MAXIMUM DEPTH OF GROUNDWATER (FEET BELOW TOP OF CASING)



	12/7/88	
		Sampling date
TPHg	<10	Total petroleum hydrocarbons as gasoline (mg/kg)
B	<0.003	Benzene (mg/kg)
T	0.0304	Toluene (mg/kg)
E	0.0076	Ethylbenzene (mg/kg)
X	<0.003	Total xylenes (mg/kg)

< Less than the stated laboratory reporting limit

mg/kg Milligrams per kilogram

	1/26/16	
		Sampling date
TPHg	860[d]	Total petroleum hydrocarbons as gasoline (µg/L)
B	<0.5	Benzene (µg/L)
T	<0.5	Toluene (µg/L)
E	<0.5	Ethylbenzene (µg/L)
X	<0.5	Total xylenes (µg/L)

< Less than the stated laboratory reporting limit

µg/L Micrograms per cubic liter

[d] Gasoline-range compounds having broad chromatographic peaks are significant

0 16 32

HORIZONTAL AND VERTICAL SCALE IN FEET

NOTE: SCALE AND LOCATIONS ARE APPROXIMATE

CROSS SECTION E-E'

OAKLAND AUTO WORKS/SHELL BRANDED SERVICE STATION
230 AND 240 WEST MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

PROJECT NUMBER: E317100700	DATE: 10/19/17	FIGURE 8
APPROVED BY: DD	DRAWN BY: JTP	

Cardno Shaping the Future
2300 Clayton Road, Suite 200
Concord, California 94520-2164
Ph: (925) 935-9920 *** Fax: (925) 935-5368

SAMPLE	DATE	DEPTH	TPHg	B	T	E	X
S-MW3	11/7/88	10	<10	<0.003	0.0116	<0.003	<0.003
S-MW3	11/7/88	15	<10	<0.003	0.0129	<0.003	0.0051
S-MW3	11/7/88	20	<10	<0.003	0.0230	<0.003	<0.003
S-MW1	*3/25/11*	*13.35*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*
S-MW3	12/7/88	10	278	<0.050	0.388	<0.003	0.411
S-MW3	12/7/88	15	<10	<0.003	0.0367	<0.003	<0.003
S-MW3	12/7/88	20	<10	<0.003	0.0304	0.0076	<0.003
S-MW3	*3/25/11*	*14.16*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*
S-SB7	4/4/06	5	0.452	<0.00200	<0.00200	0.00325	0.0199
S-SB7	4/6/06	10	<0.100	<0.00200	<0.00200	<0.00200	<0.00500
S-SB7	4/6/06	15	<0.100	<0.00200	<0.00200	<0.00200	<0.00500
B3	9/9/17	17	<0.50	<0.0050	<0.0050	<0.0050	<0.010

Soil analytical results reported in mg/kg and groundwater analytical data reported in µg/L

Italics = Groundwater analytical data
Depth = Feet below ground surface
TPHg = Total petroleum hydrocarbons as gasoline
BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
< = Less than the stated laboratory reporting limit

LEGEND

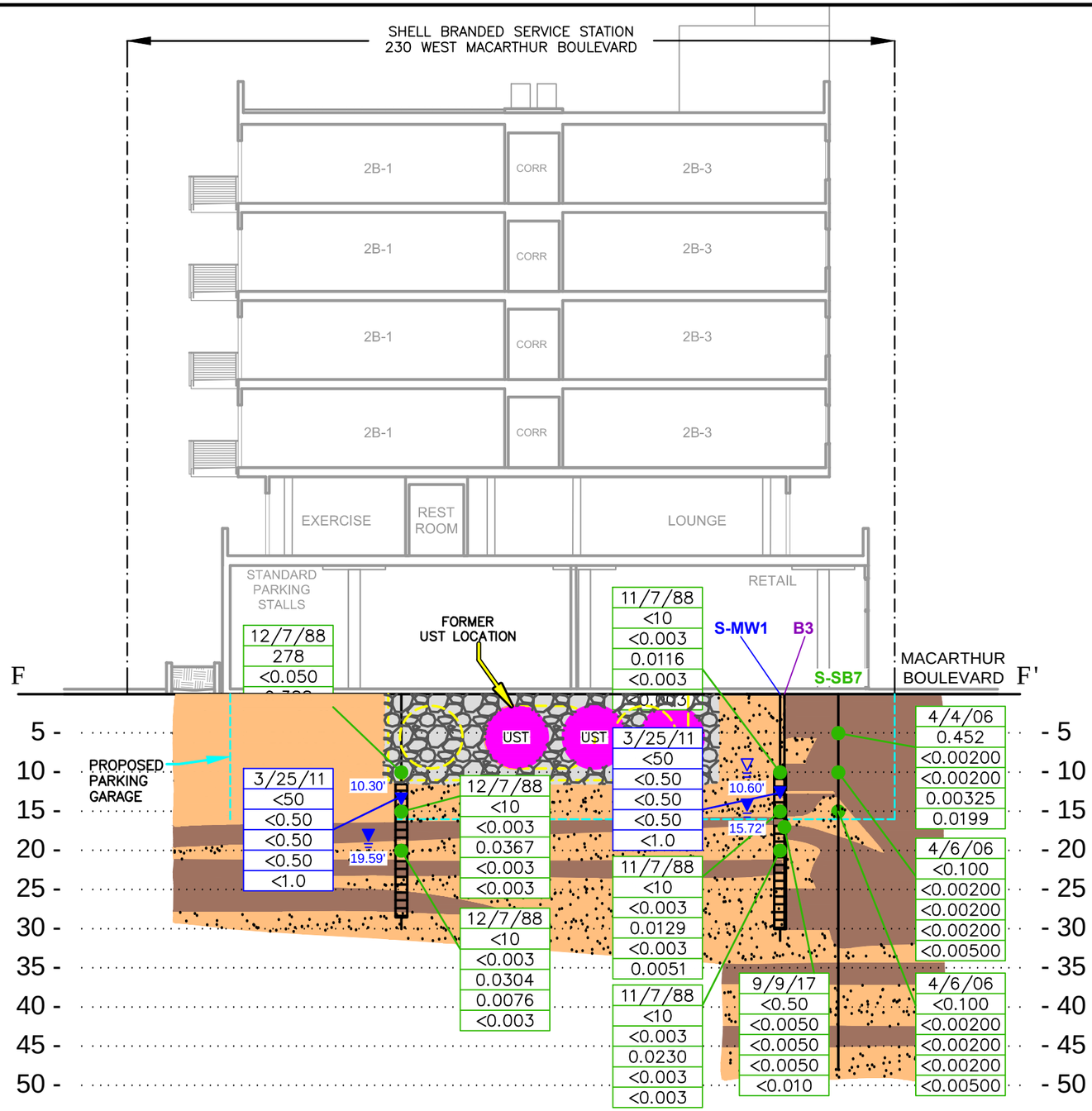
- **S-MW3** — SHELL GROUNDWATER MONITORING WELL
- **S-SB7** — SHELL SOIL BORING LOCATIONS (1986 THROUGH 2004)
- **B3** — SOIL BORING LOCATION (CARDNO, 2017)
- WELL SCREENED INTERVAL
- F ——— F' — CROSS-SECTION LINE
- APPROXIMATE PROPERTY BOUNDARY
- COARSE GRAINED MATERIAL
- FINE GRAINED MATERIAL
- BACK FILL MATERIAL
- 10.30' — MINIMUM DEPTH OF GROUNDWATER (FEET BELOW TOP OF CASING)
- 19.59' — MAXIMUM DEPTH OF GROUNDWATER (FEET BELOW TOP OF CASING)

	12/7/88	
TPHg	278	Total petroleum hydrocarbons as gasoline (mg/kg)
B	<0.050	Benzene (mg/kg)
T	0.388	Toluene (mg/kg)
E	<0.003	Ethylbenzene (mg/kg)
X	0.411	Total xylenes (mg/kg)

Sampling date
< Less than the stated laboratory reporting limit
mg/kg Milligrams per kilogram

	3/25/11	
TPHg	<50	Total petroleum hydrocarbons as gasoline (µg/L)
B	<0.50	Benzene (µg/L)
T	<0.50	Toluene (µg/L)
E	<0.50	Ethylbenzene (µg/L)
X	<1.0	Total xylenes (µg/L)

Sampling date
< Less than the stated laboratory reporting limit
µg/L Micrograms per cubic liter



0 16 32
HORIZONTAL AND VERTICAL SCALE IN FEET

NOTE: SCALE AND LOCATIONS ARE APPROXIMATE

CROSS SECTION F-F'

OAKLAND AUTO WORKS/SHELL BRANDED SERVICE STATION
230 AND 240 WEST MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

PROJECT NUMBER: E317100700	DATE: 10/19/17	FIGURE 9
APPROVED BY: DD	DRAWN BY: JTP	

Cardno Shaping the Future
2300 Clayton Road, Suite 200
Concord, California 94520-2164
Ph: (925) 935-9920 *** Fax: (925) 935-5368