Mark Detterman
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

SUBJECT: RO0000321
Yee Property
726 Harrison Street
Oakland, CA 94602

Dear Mr. Detterman:

Attached please find a copy of the Groundwater Sampling Report dated 3/20/2012 for the above referenced site. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Sincerely,

Peter Yee

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

March 20, 2012

GROUNDWATER SAMPLING DATA REPORT
FEBRUARY 2012 GROUNDWATER SAMPLING
ASE JOB NO. 3412

at
Yee Property
726 Harrison Street
Oakland, CA 94602

Prepared by:
AQUA SCIENCE ENGINEERS, INC.
55 Oak Court, Suite 220
Danville, CA 94526
(925) 820-9391

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

1.0 INTRODUCTION

Site Location (Site), See Figure 1
Yee Property
(Previously Former Chan's Shell Station)
726 Harrison Street
Oakland, CA 94602
(510) 444-6583

Responsible Party
Peter Yee
1000 San Antonio Avenue
Alameda, CA 94501

Environmental Consulting Firm
Aqua Science Engineers, Inc. (ASE)
55 Oak Court, Suite 220
Danville, CA 94526
Contact: Robert Kitay, Senior Geologist
(925) 820-9391

Arcadis US, Inc.
2000 Powell Street, 7th Floor
Emeryville, CA 94608
Contact: Katherine Brandt, Project Geologist
(510) 596-9675

Agency Review
Alameda County Health
Care Services Agency (ACHCSA)
1131 Harbor Bay Pkwy
Suite 250
Alameda, CA 94502
Contact: Mr. Steven Plunkett
(510) 567-6700

The following is a report detailing the February 2012 groundwater sampling at the Yee Property, previously referred to as the former Chan's Shell Station. This sampling was conducted as required by the ACHCSA and RWQCB. ASE has prepared this report on behalf of Peter Yee, the current responsible party, who purchased the property from Kin Chan. This report is intended to supplement the ASE report: "Report of Soil and Groundwater Assessment" dated January 8, 1999. At the request of the ACHCSA, one report is to be submitted for the three properties with comingled plumes: Yee property, the adjacent property former ARCO Station located at 706 Harrison Street, and the operating 76 Station located at 800 Harrison Street. A full report will be written by Arcadis. This report only provides a description of the sampling and data collected at the Yee property.

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On February 7, 2012, ASE measured the depth to groundwater in all six site monitoring wells using an electric water level sounder. The surface of the groundwater was also checked for the presence of free-floating hydrocarbons or sheen. No free-floating hydrocarbons were observed in any site well. ASE coordinated this groundwater sampling with Arcadis, who is investigating the adjacent properties located at 706 Harrison Street, referred to in this report as the former ARCO station, and the 76 Station located at 800 Harrison Street. Tables and a potentiometric surface map will be provided in a report prepared by Arcadis for all three properties.

3.0 GROUNDWATER SAMPLE COLLECTION

On February 7, 2012, ASE collected groundwater samples from monitoring wells MW-1 through MW-6. Prior to sampling, each well was purged of three well casing volumes of groundwater using disposable polyethylene bailers. The parameters pH, temperature and conductivity were monitored during the well purging, and samples were not collected until these parameters stabilized. Groundwater samples were collected from each well using disposable polyethylene bailers and were decanted from the bottom of the bailers using low-flow emptying devices into 40-ml volatile organic analysis (VOA) vials, pre-preserved with hydrochloric acid. The samples were capped without headspace, labeled, and placed in coolers with wet ice for transport to BC Laboratories, Inc. of Bakersfield, California under appropriate chain-of-custody documentation. Well sampling field logs are presented in Appendix A. Well sampling purge water was contained in a sealed and labeled 55-gallon steel drum and is being currently stored on-site until off-site disposal can be arranged.

4.0 GROUNDWATER SAMPLING ANALYSIS

All groundwater samples were analyzed by BC Laboratories, Inc. for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene and total xylenes (collectively known as BTEX), methyl tertiary butyl ether (MTBE), and lead scavengers by EPA Method 8260B. The certified analytical report and chain-of-custody documentation are included as Appendix B. All data interpretation will be provided in the report prepared by Arcadis for all three properties in the comingled plume.

6.0 REPORT LIMITATIONS

The results presented in this report represent conditions at the time of the groundwater sampling, at the specific locations where the groundwater samples were collected, and for the specific parameters analyzed by the laboratory. It does not fully characterize the site for contamination resulting from sources other than the former underground storage tanks and associated plumbing at the site, or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-DHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

Aqua Science Engineers appreciates the opportunity to provide environmental consulting services for this project, and trust that this report meets your needs. Please feel free to call us at (925) 820-9391 if you have any questions or comments.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

Robert E. Kitay, P.G., R.E.A.
Senior Geologist

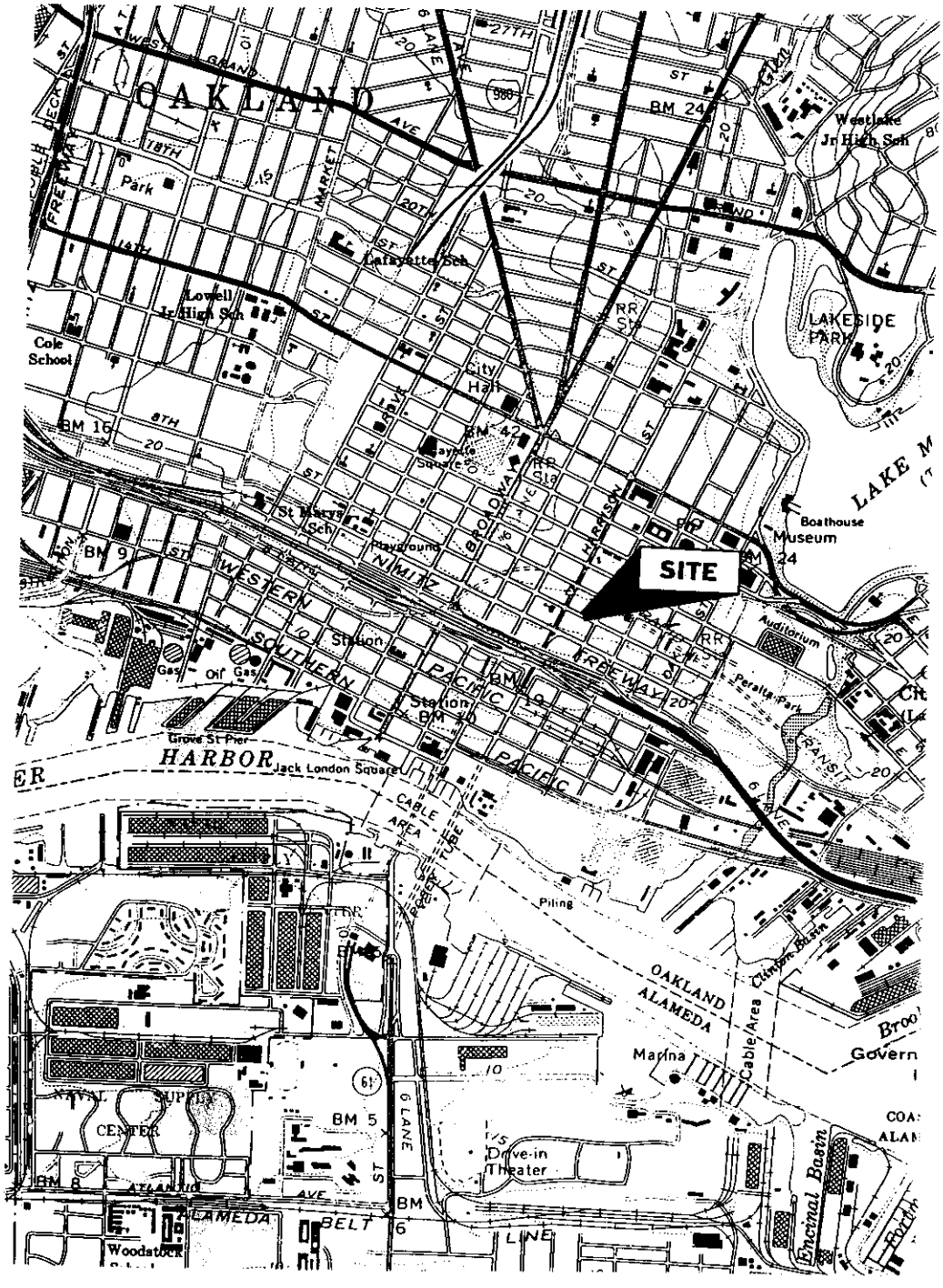
Attachments: Figures 1 and 2
Appendices A and B

cc: Mr. Steven Plunkett, Alameda County Health Care Services Agency
RWQCB, San Francisco Bay Region via Geotracker

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

FIGURES

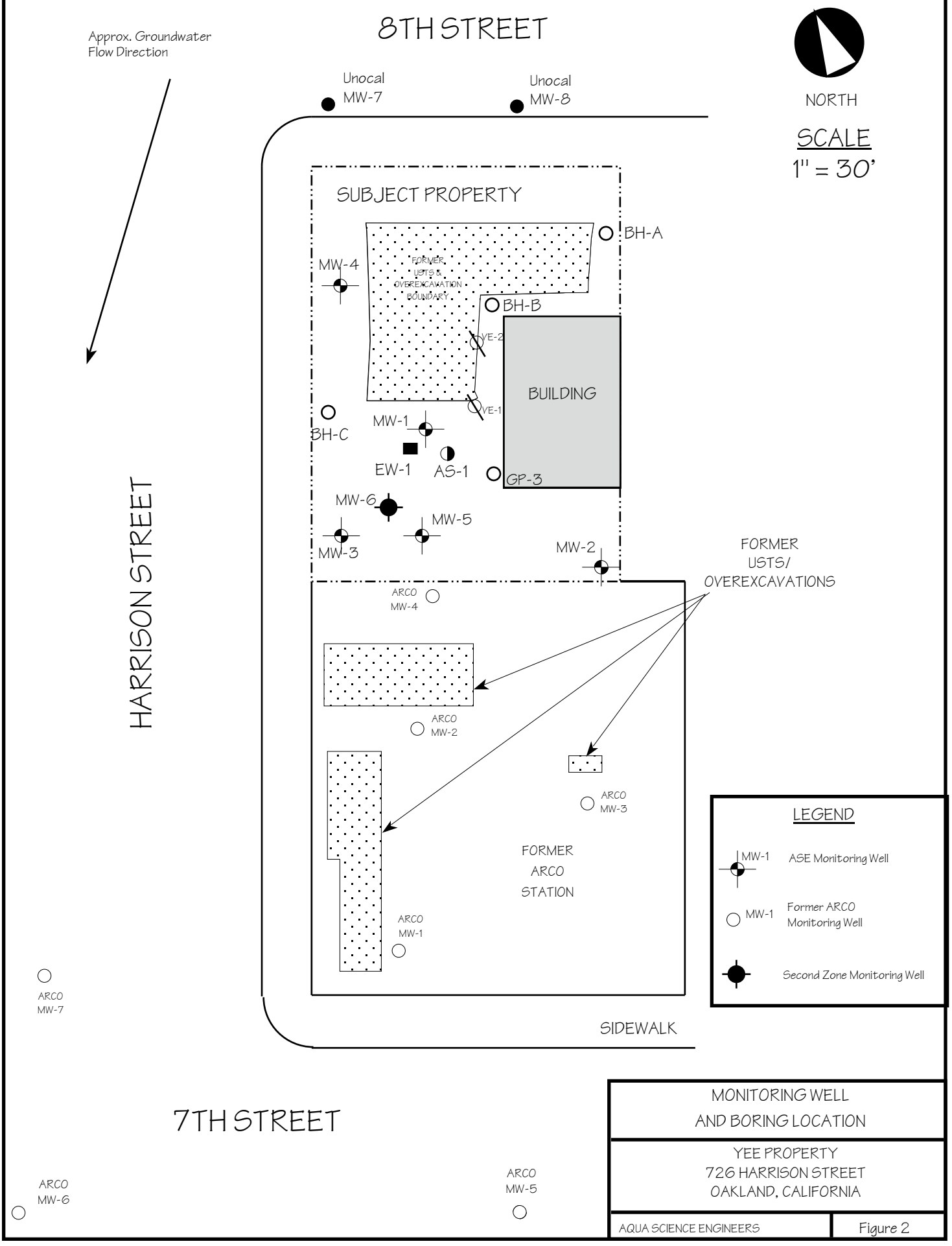
NORTH



SITE LOCATION MAP

YEE PROPERTY
726 HARRISON STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 1



MONITORING WELL AND BORING LOCATION

YEE PROPERTY
726 HARRISON STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 2

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

APPENDIX A

Well Sampling Field Logs

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME YEE

JOB NUMBER 3412 DATE OF SAMPLING 02-07-12

WELL ID. MW-1 SAMPLER DA

TOTAL DEPTH OF WELL 27.2 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 18.77 TIME OF MEASUREMENT 0700

PRODUCT THICKNESS ~~0~~

DEPTH OF WELL CASING IN WATER 8.43

NUMBER OF GALLONS PER WELL CASING VOLUME 1.34

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4

EQUIPMENT USED TO PURGE WELL (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED 0822 TIME EVACUATION COMPLETED 0830

TIME SAMPLES WERE COLLECTED 0832

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 4

SAMPLING DEVICE (NEW DISPOSABLE BAILER)

SAMPLE COLOR LT GRAY ODOR/SEDIMENT MOD HC / SLIGHT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	19.2	6.5	540
2	19.3	6.4	540
3	19.3	6.4	540

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-1	3	40 ml VOA	8260B	✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME YEE

JOB NUMBER 3412 DATE OF SAMPLING 02-07-12

WELL ID. MW-2 SAMPLER DA

TOTAL DEPTH OF WELL 28.0 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 19.52 TIME OF MEASUREMENT 0654

PRODUCT THICKNESS ~~0~~

DEPTH OF WELL CASING IN WATER 8.48

NUMBER OF GALLONS PER WELL CASING VOLUME 1.35

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4

EQUIPMENT USED TO PURGE WELL (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED 0720 TIME EVACUATION COMPLETED 0728

TIME SAMPLES WERE COLLECTED 0730

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 4

SAMPLING DEVICE (NEW DISPOSABLE BAILER)

SAMPLE COLOR LT BRN ODOR/SEDIMENT NO / SLIGHT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	19.2	6.8	410
2	19.3	6.9	390
3	19.3	6.8	390

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-2	3	40 ml VOA	8260B	✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME YEE

JOB NUMBER 3412 DATE OF SAMPLING 02-07-12

WELL ID. MW-3 SAMPLER DA

TOTAL DEPTH OF WELL 29.2 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 18.71 TIME OF MEASUREMENT 0656

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 10.49

NUMBER OF GALLONS PER WELL CASING VOLUME 1.7

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 5

EQUIPMENT USED TO PURGE WELL (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED 0805 TIME EVACUATION COMPLETED 0815

TIME SAMPLES WERE COLLECTED 0816

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5

SAMPLING DEVICE (NEW DISPOSABLE BAILER)

SAMPLE COLOR LT BRN ODOR/SEDIMENT TR HC / SLIGHT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	19.5	6.6	410
2	19.6	6.5	440
3	19.6	6.5	440

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-3	3	40 ml VOA	8260B	✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME YEE

JOB NUMBER 3412 DATE OF SAMPLING 02-07-12

WELL ID. MW-4 SAMPLER DA

TOTAL DEPTH OF WELL 29.7 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 19.09 TIME OF MEASUREMENT 0658

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 10.61

NUMBER OF GALLONS PER WELL CASING VOLUME 1.7

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 5

EQUIPMENT USED TO PURGE WELL (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED 0840 TIME EVACUATION COMPLETED 0850

TIME SAMPLES WERE COLLECTED 0852

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5

SAMPLING DEVICE (NEW DISPOSABLE BAILER)

SAMPLE COLOR LT GRAY ODOR/SEDIMENT SL HC/SLIGHT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	19.4	5.2	580
2	19.4	5.2	570
3	19.5	5.2	570

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-4	3	40 ml VOA	8260B	✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME YEE

JOB NUMBER 3412 DATE OF SAMPLING 02-07-12

WELL ID. MW-5 SAMPLER DA

TOTAL DEPTH OF WELL 28.5 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 19.16 TIME OF MEASUREMENT 0702

PRODUCT THICKNESS ~~0~~

DEPTH OF WELL CASING IN WATER 9.34

NUMBER OF GALLONS PER WELL CASING VOLUME 1.5

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.5

EQUIPMENT USED TO PURGE WELL (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED 0738 TIME EVACUATION COMPLETED 0747

TIME SAMPLES WERE COLLECTED 0748

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 4.5

SAMPLING DEVICE (NEW DISPOSABLE BAILER)

SAMPLE COLOR LT GRAY ODOR/SEDIMENT MOD HC/SLIGHT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	19.3	6.5	1120
2	19.3	6.4	1120
3	19.4	6.5	1130

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-5	3	40 ml VOA	8260B	✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME: YEE

JOB NUMBER: 3412 | DATE OF SAMPLING: 02.07.12

WELL ID.: MW-6 | SAMPLER: DA

TOTAL DEPTH OF WELL: 49.1 | WELL DIAMETER: 2

DEPTH TO WATER PRIOR TO PURGING: 26.53 | TIME OF MEASUREMENT: 0704

PRODUCT THICKNESS: 0

DEPTH OF WELL CASING IN WATER: 22.57

NUMBER OF GALLONS PER WELL CASING VOLUME: 13.54

NUMBER OF WELL CASING VOLUMES TO BE REMOVED: 3 SCREENS PLUS ISOLATO

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING: 8.5

EQUIPMENT USED TO PURGE WELL: (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED: 0749 | TIME EVACUATION COMPLETED: 0759

TIME SAMPLES WERE COLLECTED: 0800

DID WELL GO DRY: NO | AFTER HOW MANY GALLONS: —

VOLUME OF GROUNDWATER PURGED: 8

SAMPLING DEVICE: (NEW DISPOSABLE BAILER)

SAMPLE COLOR: CLEAR | ODOR/SEDIMENT: NO / NO

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	19.4	7.1	400
2	19.4	7.0	410
3	19.5	7.0	400

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-6	3	40 mL VOA	8260 B	✓

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 02/15/2012

Robert Kitay

Aqua Science Engineers, Inc.
55 Oak Court, Ste. 220
Danville, CA 94526

Project:	Yee
BC Work Order:	1202338
Invoice ID:	B116454

Enclosed are the results of analyses for samples received by the laboratory on 2/9/2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Linda Phoudamneun

Contact Person: Linda Phoudamneun
Client Service Rep

Authorized Signature

Table of Contents

Aqua Science Engineers, Inc.
55 Oak Court, Suite 220
Danville, CA 94526
(925) 820-9391
FAX (925) 837-4853

Chain of Custody

12-02338

PAGE 1 of 1

SAMPLER (SIGNATURE) [signature]

PROJECT NAME YEE PROPERTY JOB NO. 3412
ADDRESS 726 HARRISON STREET, OAKLAND, CA

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

	SAMPLE ID.	DATE	TIME	MATRIX	QUANTITY	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	CAM 17 METALS (EPA 6010+7000)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	Pb (TOTAL or DISSOLVED) (EPA 6010)	PESTICIDES (EPA 8081)	FUEL OXYGENATES (EPA 8260)	PURGEABLE HALOCARBONS (EPA 601/8010)	TPH-G/BTEX/5 OXYS (EPA METHOD 8260)	MULTI-RANGE HYDROCARBONS WITH SILICA GEL CLEANUP (EPA 8015)	VOLATILE ORGANICS (EPA 624/8240/8260)	LUFT METALS (5) (EPA 6010+7000)	COMPOSITE 4:1	EDF	TPH-G/BTEX/MTBE/1,2-DCA, EDB (EPA 8260B)
1	MW-1	2/7/12	0832	W	3															X	X
2	MW-2	↓	0730	↓	↓															X	X
3	MW-3	↓	0816	↓	↓															X	X
4	MW-4	↓	0852	↓	↓															X	X
5	MW-5	↓	0748	↓	↓															X	X
6	MW-6	↓	0800	↓	↓															X	X

CHK BY BLT DISTRIBUTION SUB-OUT ☐

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY LABORATORY:	COMMENTS:
[signature] 1456 (signature) (time)	Gary Bogan 1405 (signature) (time)	Gary Bogan 1900 (signature) (time)	(signature) (time)	
DAVID ALLEN 2/7/12 (printed name) (date)	GARY BOGAN 2/8/12 (printed name) (date)	GARY BOGAN (printed name) (date)	(printed name) (date)	TURN AROUND TIME: STANDARD (circled) 24Hr 48Hr 72Hr
Company-ASE, INC.	Company-	Company- BC LABS 2/8/12	Company-	OTHER:

Rec. R.C.Ruy 2-8-12 1930 Rel. R.C.Ruy 2-8-12 2300 KOMAS 2-8-12 2300

Chain of Custody and Cooler Receipt Form for 1202338 Page 2 of 2

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 12 06/24/08 Page 1 Of 1

Submission #: 12-02338

SHIPPING INFORMATION
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☐ No ☑

COC Received ☑ YES ☐ NO

Emissivity: 0.98 Container: IDA Thermometer ID: 177

Temperature: A 5.2 °C / C 5.5 °C

Date/Time 2/9/12 0010

Analyst Init: MA

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A3	A3	A3	A3	A3	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments: NO Time on Samples

Sample Numbering Completed By: _____ Date/Time: 2/9/12 1626

A = Actual / C = Corrected

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

Aqua Science Engineers, Inc.
55 Oak Court, Ste. 220
Danville, CA 94526

Reported: 02/15/2012 15:53
Project: Yee
Project Number: 3412
Project Manager: Robert Kitay

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1202338-01	**COC Number:**	---	**Receive Date:**	02/08/2012 23:00
	Project Number:	Yee Property	**Sampling Date:**	02/07/2012 08:32
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-1	**Lab Matrix:**	Water
	Sampled By:	ASED	**Sample Type:**	Drinking Water
	Delivery Work Order:			
	Global ID: T0600102122			
	Location ID (FieldPoint): MW-1			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1202338-02	**COC Number:**	---	**Receive Date:**	02/08/2012 23:00
	Project Number:	Yee Property	**Sampling Date:**	02/07/2012 07:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-2	**Lab Matrix:**	Water
	Sampled By:	ASED	**Sample Type:**	Drinking Water
	Delivery Work Order:			
	Global ID: T0600102122			
	Location ID (FieldPoint): MW-2			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1202338-03	**COC Number:**	---	**Receive Date:**	02/08/2012 23:00
	Project Number:	Yee Property	**Sampling Date:**	02/07/2012 08:16
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-3	**Lab Matrix:**	Water
	Sampled By:	ASED	**Sample Type:**	Drinking Water
	Delivery Work Order:			
	Global ID: T0600102122			
	Location ID (FieldPoint): MW-3			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

Aqua Science Engineers, Inc.
55 Oak Court, Ste. 220
Danville, CA 94526

Reported: 02/15/2012 15:53
Project: Yee
Project Number: 3412
Project Manager: Robert Kitay

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1202338-04	**COC Number:**	---	**Receive Date:**	02/08/2012 23:00
	Project Number:	Yee Property	**Sampling Date:**	02/07/2012 08:52
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-4	**Lab Matrix:**	Water
	Sampled By:	ASED	**Sample Type:**	Drinking Water
	Delivery Work Order:			
	Global ID: T0600102122			
	Location ID (FieldPoint): MW-4			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1202338-05	**COC Number:**	---	**Receive Date:**	02/08/2012 23:00
	Project Number:	Yee Property	**Sampling Date:**	02/07/2012 07:48
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-5	**Lab Matrix:**	Water
	Sampled By:	ASED	**Sample Type:**	Drinking Water
	Delivery Work Order:			
	Global ID: T0600102122			
	Location ID (FieldPoint): MW-5			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1202338-06	**COC Number:**	---	**Receive Date:**	02/08/2012 23:00
	Project Number:	Yee Property	**Sampling Date:**	02/07/2012 08:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-6	**Lab Matrix:**	Water
	Sampled By:	ASED	**Sample Type:**	Drinking Water
	Delivery Work Order:			
	Global ID: T0600102122			
	Location ID (FieldPoint): MW-6			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

Aqua Science Engineers, Inc.
55 Oak Court, Ste. 220
Danville, CA 94526

Reported: 02/15/2012 15:53
Project: Yee
Project Number: 3412
Project Manager: Robert Kitay

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1202338-01 | **Client Sample Name:** Yee Property, MW-1, 2/7/2012 8:32:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**46**	**ug/L**	**0.50**	**0.083**	**EPA-8260**	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260	ND		1
Ethylbenzene	**4.2**	**ug/L**	**0.50**	**0.098**	**EPA-8260**	ND		1
Methyl t-butyl ether	**3800**	**ug/L**	**25**	**5.5**	**EPA-8260**	ND	**A01**	2
Toluene	**1.7**	**ug/L**	**0.50**	**0.093**	**EPA-8260**	ND		1
Total Xylenes	**4.5**	**ug/L**	**1.0**	**0.36**	**EPA-8260**	ND		1
p- & m-Xylenes	**4.0**	**ug/L**	**0.50**	**0.28**	**EPA-8260**	ND		1
o-Xylene	**0.52**	**ug/L**	**0.50**	**0.082**	**EPA-8260**	ND		1
Total Purgeable Petroleum Hydrocarbons	**370**	**ug/L**	**50**	**7.2**	**Luft-GC/MS**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	91.6	%	76 - 114 (LCL - UCL)		EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	93.2	%	76 - 114 (LCL - UCL)		EPA-8260			2
Toluene-d8 (Surrogate)	96.5	%	88 - 110 (LCL - UCL)		EPA-8260			1
Toluene-d8 (Surrogate)	93.3	%	88 - 110 (LCL - UCL)		EPA-8260			2
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260			1
4-Bromofluorobenzene (Surrogate)	108	%	86 - 115 (LCL - UCL)		EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	02/10/12	02/10/12 15:42	JMC	MS-V12	1	BVB0806
2	EPA-8260	02/10/12	02/14/12 13:13	JMC	MS-V12	50	BVB0806

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55 Oak Court, Ste. 220
Danville, CA 94526

Reported: 02/15/2012 15:53
Project: Yee
Project Number: 3412
Project Manager: Robert Kitay

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1202338-02 | **Client Sample Name:** Yee Property, MW-2, 2/7/2012 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	7.2	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	90.1	%	76 - 114 (LCL - UCL)		EPA-8260			1
Toluene-d8 (Surrogate)	94.6	%	88 - 110 (LCL - UCL)		EPA-8260			1
4-Bromofluorobenzene (Surrogate)	110	%	86 - 115 (LCL - UCL)		EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	02/10/12	02/13/12 15:21	JMC	MS-V12	1	BVB0691

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Reported: 02/15/2012 15:53
Project: Yee
Project Number: 3412
Project Manager: Robert Kitay

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1202338-03 | **Client Sample Name:** Yee Property, MW-3, 2/7/2012 8:16:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260	ND		1
Methyl t-butyl ether	**2.1**	**ug/L**	**0.50**	**0.11**	**EPA-8260**	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**25**	**ug/L**	**50**	**7.2**	**Luft-GC/MS**	ND	**J**	1
1,2-Dichloroethane-d4 (Surrogate)	91.2	%	76 - 114 (LCL - UCL)		EPA-8260			1
Toluene-d8 (Surrogate)	90.7	%	88 - 110 (LCL - UCL)		EPA-8260			1
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	02/10/12	02/10/12 15:06	JMC	MS-V12	1	BVB0691

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Reported: 02/15/2012 15:53
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Project Number: 3412
Project Manager: Robert Kitay

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1202338-04 | **Client Sample Name:** Yee Property, MW-4, 2/7/2012 8:52:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260	ND		1
Methyl t-butyl ether	**17**	**ug/L**	**0.50**	**0.11**	**EPA-8260**	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**210**	**ug/L**	**50**	**7.2**	**Luft-GC/MS**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	91.4	%	76 - 114 (LCL - UCL)		EPA-8260			1
Toluene-d8 (Surrogate)	97.0	%	88 - 110 (LCL - UCL)		EPA-8260			1
4-Bromofluorobenzene (Surrogate)	105	%	86 - 115 (LCL - UCL)		EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	02/10/12	02/10/12 14:49	JMC	MS-V12	1	BVB0691

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Reported: 02/15/2012 15:53
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Project Manager: Robert Kitay

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1202338-05 | **Client Sample Name:** Yee Property, MW-5, 2/7/2012 7:48:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**890**	**ug/L**	**100**	**17**	**EPA-8260**	ND	**A01**	1
1,2-Dibromoethane	ND	ug/L	6.2	2.0	EPA-8260	ND	A01	2
1,2-Dichloroethane	ND	ug/L	6.2	2.1	EPA-8260	ND	A01	2
Ethylbenzene	**360**	**ug/L**	**6.2**	**1.2**	**EPA-8260**	ND	**A01**	2
Methyl t-butyl ether	**17000**	**ug/L**	**100**	**22**	**EPA-8260**	ND	**A01**	1
Toluene	**410**	**ug/L**	**6.2**	**1.2**	**EPA-8260**	ND	**A01**	2
Total Xylenes	**990**	**ug/L**	**12**	**4.5**	**EPA-8260**	ND	**A01**	2
p- & m-Xylenes	**830**	**ug/L**	**6.2**	**3.5**	**EPA-8260**	ND	**A01**	2
o-Xylene	**160**	**ug/L**	**6.2**	**1.0**	**EPA-8260**	ND	**A01**	2
Total Purgeable Petroleum Hydrocarbons	**19000**	**ug/L**	**620**	**90**	**Luft-GC/MS**	ND	**A01**	2
1,2-Dichloroethane-d4 (Surrogate)	92.5	%	76 - 114 (LCL - UCL)		EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	91.9	%	76 - 114 (LCL - UCL)		EPA-8260			2
Toluene-d8 (Surrogate)	95.4	%	88 - 110 (LCL - UCL)		EPA-8260			1
Toluene-d8 (Surrogate)	96.5	%	88 - 110 (LCL - UCL)		EPA-8260			2
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260			1
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	02/10/12	02/13/12 16:13	JMC	MS-V12	200	BVB0691
2	EPA-8260	02/10/12	02/10/12 14:31	JMC	MS-V12	12.500	BVB0691

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Reported: 02/15/2012 15:53
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Project Manager: Robert Kitay

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1202338-06 | **Client Sample Name:** Yee Property, MW-6, 2/7/2012 8:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260	ND		1
1,2-Dichloroethane	**0.79**	**ug/L**	**0.50**	**0.17**	**EPA-8260**	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260	ND		1
Methyl t-butyl ether	**970**	**ug/L**	**10**	**2.2**	**EPA-8260**	ND	**A01**	2
Toluene	ND	ug/L	0.50	0.093	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**410**	**ug/L**	**50**	**7.2**	**Luft-GC/MS**	ND	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	91.7	%	76 - 114 (LCL - UCL)		EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	92.2	%	76 - 114 (LCL - UCL)		EPA-8260			2
Toluene-d8 (Surrogate)	95.8	%	88 - 110 (LCL - UCL)		EPA-8260			1
Toluene-d8 (Surrogate)	97.6	%	88 - 110 (LCL - UCL)		EPA-8260			2
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260			1
4-Bromofluorobenzene (Surrogate)	106	%	86 - 115 (LCL - UCL)		EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	02/10/12	02/10/12 14:13	JMC	MS-V12	1	BVB0691
2	EPA-8260	02/10/12	02/13/12 15:55	JMC	MS-V12	20	BVB0691

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Reported: 02/15/2012 15:53
Project: Yee
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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVB0691						
Benzene	BVB0691-BLK1	ND	ug/L	0.50	0.083	
1,2-Dibromoethane	BVB0691-BLK1	ND	ug/L	0.50	0.16	
1,2-Dichloroethane	BVB0691-BLK1	ND	ug/L	0.50	0.17	
Ethylbenzene	BVB0691-BLK1	ND	ug/L	0.50	0.098	
Methyl t-butyl ether	BVB0691-BLK1	ND	ug/L	0.50	0.11	
Toluene	BVB0691-BLK1	ND	ug/L	0.50	0.093	
Total Xylenes	BVB0691-BLK1	ND	ug/L	1.0	0.36	
p- & m-Xylenes	BVB0691-BLK1	ND	ug/L	0.50	0.28	
o-Xylene	BVB0691-BLK1	ND	ug/L	0.50	0.082	
Total Purgeable Petroleum Hydrocarbons	BVB0691-BLK1	ND	ug/L	50	7.2	
1,2-Dichloroethane-d4 (Surrogate)	BVB0691-BLK1	96.4	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BVB0691-BLK1	97.1	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BVB0691-BLK1	98.5	%	86 - 115 (LCL - UCL)		
QC Batch ID: BVB0806						
Benzene	BVB0806-BLK1	ND	ug/L	0.50	0.083	
1,2-Dibromoethane	BVB0806-BLK1	ND	ug/L	0.50	0.16	
1,2-Dichloroethane	BVB0806-BLK1	ND	ug/L	0.50	0.17	
Ethylbenzene	BVB0806-BLK1	ND	ug/L	0.50	0.098	
Methyl t-butyl ether	BVB0806-BLK1	ND	ug/L	0.50	0.11	
Toluene	BVB0806-BLK1	ND	ug/L	0.50	0.093	
Total Xylenes	BVB0806-BLK1	ND	ug/L	1.0	0.36	
p- & m-Xylenes	BVB0806-BLK1	ND	ug/L	0.50	0.28	
o-Xylene	BVB0806-BLK1	ND	ug/L	0.50	0.082	
Total Purgeable Petroleum Hydrocarbons	BVB0806-BLK1	ND	ug/L	50	7.2	
1,2-Dichloroethane-d4 (Surrogate)	BVB0806-BLK1	93.2	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BVB0806-BLK1	96.8	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BVB0806-BLK1	101	%	86 - 115 (LCL - UCL)		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BVB0691										
Benzene	BVB0691-BS1	LCS	21.880	25.000	ug/L	87.5		70 - 130		
Toluene	BVB0691-BS1	LCS	20.370	25.000	ug/L	81.5		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BVB0691-BS1	LCS	9.3300	10.000	ug/L	93.3		76 - 114		
Toluene-d8 (Surrogate)	BVB0691-BS1	LCS	9.6500	10.000	ug/L	96.5		88 - 110		
4-Bromofluorobenzene (Surrogate)	BVB0691-BS1	LCS	10.320	10.000	ug/L	103		86 - 115		
QC Batch ID: BVB0806										
Benzene	BVB0806-BS1	LCS	24.920	25.000	ug/L	99.7		70 - 130		
Toluene	BVB0806-BS1	LCS	22.900	25.000	ug/L	91.6		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BVB0806-BS1	LCS	9.2600	10.000	ug/L	92.6		76 - 114		
Toluene-d8 (Surrogate)	BVB0806-BS1	LCS	9.6000	10.000	ug/L	96.0		88 - 110		
4-Bromofluorobenzene (Surrogate)	BVB0806-BS1	LCS	10.130	10.000	ug/L	101		86 - 115		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BVB0691	Used client sample: N										
Benzene	MS	1201079-51	ND	24.390	25.000	ug/L		97.6		70 - 130	
	MSD	1201079-51	ND	22.110	25.000	ug/L	9.8	88.4	20	70 - 130	
Toluene	MS	1201079-51	ND	23.100	25.000	ug/L		92.4		70 - 130	
	MSD	1201079-51	ND	21.180	25.000	ug/L	8.7	84.7	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1201079-51	ND	9.3700	10.000	ug/L		93.7		76 - 114	
	MSD	1201079-51	ND	9.4000	10.000	ug/L	0.3	94.0		76 - 114	
Toluene-d8 (Surrogate)	MS	1201079-51	ND	9.6500	10.000	ug/L		96.5		88 - 110	
	MSD	1201079-51	ND	9.8300	10.000	ug/L	1.8	98.3		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1201079-51	ND	10.240	10.000	ug/L		102		86 - 115	
	MSD	1201079-51	ND	10.080	10.000	ug/L	1.6	101		86 - 115	
QC Batch ID: BVB0806	Used client sample: N										
Benzene	MS	1202328-02	ND	20.090	25.000	ug/L		80.4		70 - 130	
	MSD	1202328-02	ND	23.470	25.000	ug/L	15.5	93.9	20	70 - 130	
Toluene	MS	1202328-02	ND	21.420	25.000	ug/L		85.7		70 - 130	
	MSD	1202328-02	ND	22.650	25.000	ug/L	5.6	90.6	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1202328-02	ND	9.0600	10.000	ug/L		90.6		76 - 114	
	MSD	1202328-02	ND	8.6800	10.000	ug/L	4.3	86.8		76 - 114	
Toluene-d8 (Surrogate)	MS	1202328-02	ND	9.8400	10.000	ug/L		98.4		88 - 110	
	MSD	1202328-02	ND	9.8700	10.000	ug/L	0.3	98.7		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1202328-02	ND	10.300	10.000	ug/L		103		86 - 115	
	MSD	1202328-02	ND	10.430	10.000	ug/L	1.3	104		86 - 115	

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Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A90	TPPH does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE.