CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: August 27, 2010

REFERENCE NO.: 060204

PROJECT NAME: 2301-2307 Lincoln Avenue, Alameda

TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED
9:38 am, Sep 01, 2010
Alameda County
Environmental Health

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- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☒ Final
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- ☐ Mail
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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Second Quarter 2010

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐
- ☐

COMMENTS:
If you have any questions regarding the contents of this document, please call Peter Schaefer at (510) 420-3319.

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Alan A. and Beverly M. Sebanc, Trustees, 2805 Ralston Avenue, Hillsborough, CA 94010
Jake Torrens, AMEC Geomatrix, Inc., 2101 Webster Street, 12th Floor, Oakland, CA 94612

Completed by: Peter Schaefer Signed: Peter Schaefer

Filing: **Correspondence File**

Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: 2301-2307 Lincoln Avenue
Alameda, California
SAP Code 165255
Incident No. 97767044
ACEH No. RO0002971

Dear Mr. Wickham,

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (707) 865-0251 with any questions or concerns.

Sincerely,

Denis L. Brown
Project Manager

GROUNDWATER MONITORING REPORT - SECOND QUARTER 2010

FORMER SHELL SERVICE STATION
2301-2307 LINCOLN AVENUE
ALAMEDA, CALIFORNIA

SAP CODE 165255
INCIDENT NO. 97767044
AGENCY NO. RO0002971

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
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web: http://www.CRAworld.com

AUGUST 27, 2010
REF. NO. 060204 (12)
This report is printed on recycled paper.

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell).

1.1 SITE INFORMATION

Site Address	2301-2307 Lincoln Avenue, Alameda
Site Use	Strip mall
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0002971
Shell SAP Code	165255
Shell Incident No.	97767044

Date of most recent agency correspondence was July 1, 2010 (electronic correspondence).

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the established monitoring program for the site.

CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). Blaine's report, presenting the analytical data, is included in Appendix A.

CRA's May 12, 2010 *Subsurface Investigation Report* presented installation details for five soil vapor probes and one groundwater monitoring well.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Variable

Hydraulic Gradient	Variable
Depth to Water	6.15 to 8.24 feet below top of well casing

2.3 PROPOSED ACTIVITIES

CRA's August 24, 2010 *Soil Vapor Sampling Report* presents analytical results for samples collected from the five new soil vapor probes and one existing soil vapor probe.

CRA's August 27, 2010 *Subsurface Investigation Report* presents drilling details and analytical results for soil samples and a grab groundwater sample collected from one soil boring drilled at 2267 Lincoln Avenue.

A recommended in CRA's May 12, 2010 *Subsurface Investigation Report* and subsequent reports, Blaine will gauge and sample the new groundwater monitoring well (MW-9) quarterly for one hydrologic cycle (1 year, through the first quarter of 2011). Blaine will gauge and sample the other eight wells semiannually during the second and fourth quarters.

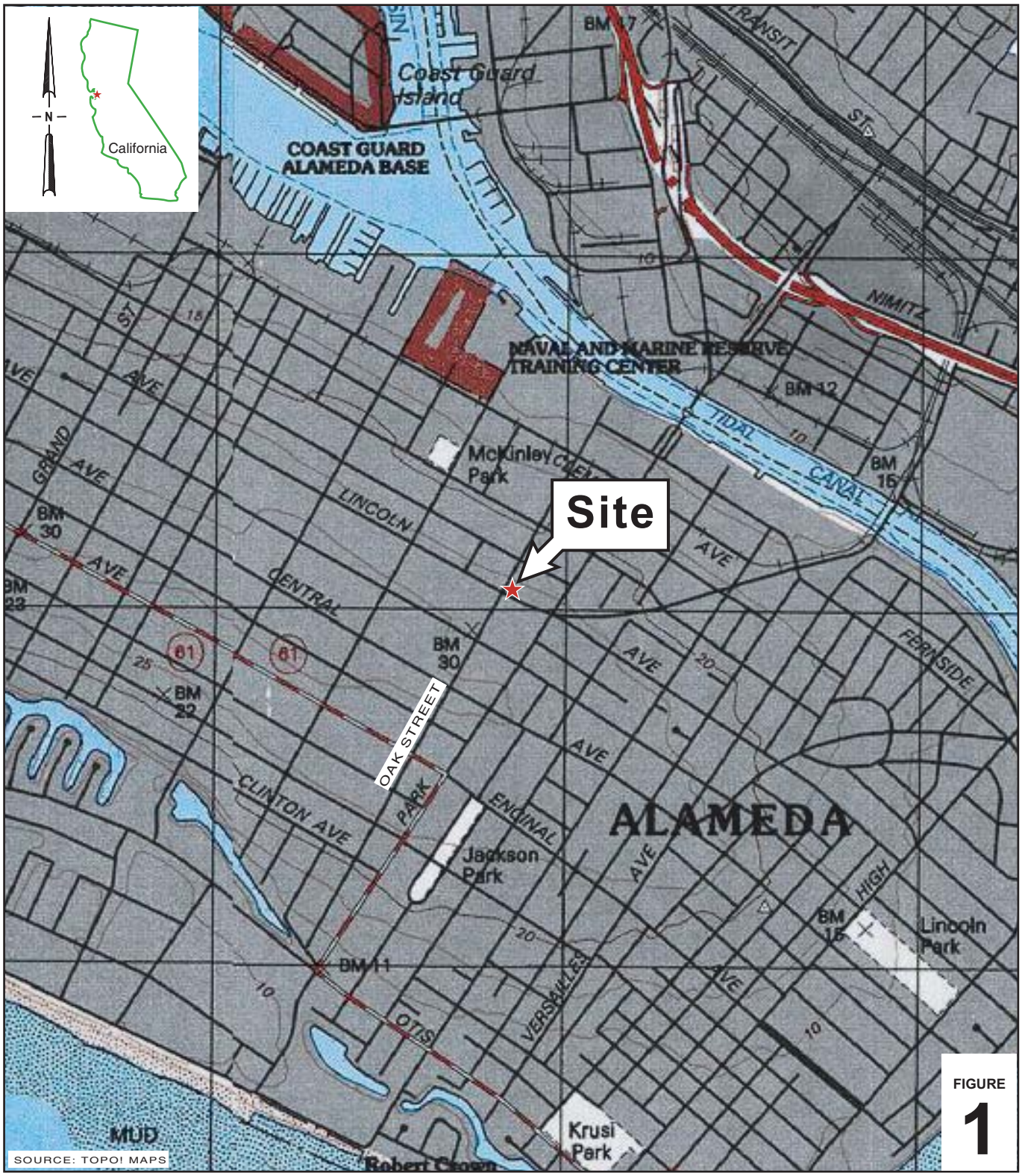
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CEG, CHG

Aubrey K. Cool, PG

FIGURES

12/01/08



I:\Shell\6-chars\0602--\060204-Alameda 2301-2307 Lincoln Ave\060204 FIGURES\060204 VICINITY.AI

FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former Shell Service Station
2301-2307 Lincoln Avenue
Alameda, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

08/03/10

Groundwater Contour and Chemical Concentration Map

May 5, 2010

EXPLANATION

- B-6 — Proposed soil boring location
- MW-1 — Monitoring well location
- Electrical & Telecommunications line (E)
- Telecommunications & Cable TV line (T)
- Gas line (G)
- Storm drain line (STM)
- Sanitary sewer line (SAN)
- Water line (W)

Sources:
1. Sanborn Fire Insurance Map, 1950
2. Majors Civil Engineering, 1982

- XX.XX — Groundwater elevation contour, in feet above mean sea level (msl)
- Well designation
- Groundwater elevation, in feet above msl
- TPHg and benzene concentrations are in micrograms per liter

Notes:
ND = Not detected
NDa = Elevated reporting limit; see laboratory report for details

Former 76 Station
2267 Lincoln Avenue

OAK STREET

B-6

MW-1
18.94
13,000
NDa

MW-2
17.85
ND
ND

MW-3
19.41
ND
ND

MW-4
19.26
2,600
200

MW-5
19.00
ND
ND

MW-6
18.70
ND
ND

MW-7
19.25
ND
ND

MW-8
19.17
ND
ND

MW-9
18.65
ND
ND

19.00
18.00
18.50
19.00

Former Building (circa 1950)[1]
Former Tire Recapping Facility (circa 1950)[1]
7-11 Store Building
Former Oil Sump (circa 1982)[2]
Former Station Building (circa 1982)[2]
Former Gasoline & Oil USTs (installed in 1920s)
Former Building (circa 1950)[1]
Laundorland Building
Commercial Building
Former Shell Station
2301-2307 Lincoln Avenue
Former Dispensers (circa 1982)[2]
Former USTs (installed in 1970s)
Alameda County Police Dept.
Alameda Free Library
LINCOLN AVENUE
Sidewalk
Driveway
Parking
Planter
Overhang
Property Line

N

0 15 30 60
Scale (ft)

Basemap modified from data from Virgil Chavez Land Surveying and drawing provided by Geomatrix

FIGURE
2

Former Shell Service Station
2301-2307 Lincoln Avenue
Alameda, California

CONESTOGA-ROVERS & ASSOCIATES

I:\Shell\6-chars\0602--\060204-Alameda 2301-2307 Lincoln Ave\060204-REPORTS\060204-RPT12-2Q10\060204 2QM10-GW.DWG

APPENDIX A

BLAINE TECH SERVICES, INC. - GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

May 20, 2010

Denis Brown
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

Second Quarter 2010 Groundwater Monitoring at
Former Shell Service Station
2301-2307 Lincoln Avenue
Alameda, CA

Monitoring performed on April 21 and May 5, 2010

Groundwater Monitoring Report **100505-WW-1**

This report covers the routine monitoring of groundwater wells at this former Shell service station. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Mike Ninokata
Project Manager

MN/np

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Anni Kreml
Conestoga-Rovers & Associates
5900 Hollis St., Suite A
Emeryville, CA 94608

WELL CONCENTRATIONS
2301-2307 Lincoln Avenue
Alameda, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	TPH-M (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	03/16/2009	NA	NA	NA	NA	NA	NA	NA	25.77	8.24	17.53
MW-1	03/27/2009	13,000	NA	NA	9.7	<10	<10	<10	25.77	7.09	18.68
MW-1	05/22/2009	3,900	NA	NA	2.6	<2.0	<2.0	<2.0	25.77	7.70	18.07
MW-1	09/23/2009	17,000	NA	NA	8.1	<10	<10	<10	25.77	9.27	16.50
MW-1	12/23/2009	9,700	NA	NA	8.7	<10	<10	<10	25.77	8.07	17.70
MW-1	**05/05/2010**	**13,000**	**1,700 a**	**<250**	**<5.0**	**<10**	**<10**	**<10**	**25.77**	**6.83**	**18.94**
MW-2	03/16/2009	NA	NA	NA	NA	NA	NA	NA	26.09	8.54	17.55
MW-2	03/27/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.09	8.16	17.93
MW-2	05/22/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.09	7.88	18.21
MW-2	09/23/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.09	9.21	16.88
MW-2	12/23/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.09	8.04	18.05
MW-2	**05/05/2010**	**<50**	**160 a**	**<250**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**26.09**	**8.24**	**17.85**
MW-3	03/16/2009	NA	NA	NA	NA	NA	NA	NA	25.56	6.06	19.50
MW-3	03/27/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	25.56	6.37	19.19
MW-3	05/22/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	25.56	7.35	18.21
MW-3	09/23/2009	64	NA	NA	<0.50	<1.0	<1.0	<1.0	25.56	8.79	16.77
MW-3	12/23/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	25.56	7.62	17.94
MW-3	**05/05/2010**	**<50**	**<50**	**<250**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**25.56**	**6.15**	**19.41**
MW-4	03/16/2009	NA	NA	NA	NA	NA	NA	NA	26.60	7.43	19.17
MW-4	03/27/2009	3,900	NA	NA	170	25	190	360	26.60	7.50	19.10
MW-4	05/22/2009	3,500	NA	NA	280	19	270	220	26.60	8.43	18.17
MW-4	09/23/2009	920	NA	NA	170	3.4	14	16	26.60	9.90	16.70
MW-4	12/23/2009	2,700	NA	NA	200	5.5	190	56	26.60	8.85	17.75
MW-4	**05/05/2010**	**2,600**	**710 a**	**<250**	**200**	**19**	**200**	**130**	**26.60**	**7.34**	**19.26**

WELL CONCENTRATIONS
2301-2307 Lincoln Avenue
Alameda, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	TPH-M (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-5	03/16/2009	NA	NA	NA	NA	NA	NA	NA	26.63	7.21	19.42
MW-5	03/27/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.63	7.74	18.89
MW-5	05/22/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.63	8.42	18.21
MW-5	09/23/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.63	9.89	16.74
MW-5	12/23/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.63	8.81	17.82
MW-5	**05/05/2010**	**<50**	**<50**	**<250**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**26.63**	**7.63**	**19.00**
MW-6	03/16/2009	NA	NA	NA	NA	NA	NA	NA	26.61	7.31	19.30
MW-6	03/27/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.61	7.82	18.79
MW-6	05/22/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.61	8.43	18.18
MW-6	09/23/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.61	9.87	16.74
MW-6	12/23/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.61	8.77	17.84
MW-6	**05/05/2010**	**<50**	**<50**	**<250**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**26.61**	**7.91**	**18.70**
MW-7	03/16/2009	NA	NA	NA	NA	NA	NA	NA	26.69	7.35	19.34
MW-7	03/27/2009	54	NA	NA	<0.50	<1.0	<1.0	<1.0	26.69	7.62	19.07
MW-7	05/22/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.69	8.50	18.19
MW-7	09/23/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.69	10.00	16.69
MW-7	12/23/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.69	8.86	17.83
MW-7	**05/05/2010**	**<50**	**<50**	**<250**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**26.69**	**7.44**	**19.25**
MW-8	03/16/2009	NA	NA	NA	NA	NA	NA	NA	26.05	6.81	19.24
MW-8	03/27/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.05	7.04	19.01
MW-8	05/22/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.05	7.76	18.29
MW-8	09/23/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.05	9.27	16.78
MW-8	12/23/2009	<50	NA	NA	<0.50	<1.0	<1.0	<1.0	26.05	7.98	18.07
MW-8	**05/05/2010**	**<50**	**<50**	**<250**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**26.05**	**6.88**	**19.17**

WELL CONCENTRATIONS
2301-2307 Lincoln Avenue
Alameda, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	TPH-M (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-9	**04/21/2010**	**NA**	NA	NA	**NA**	**NA**	**NA**	**NA**	**25.70**	**6.74**	**18.96**
MW-9	**05/05/2010**	**<50**	**<50**	**<250**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**25.70**	**7.05**	**18.65**

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B
TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015B.
TPH-M = TPH as Motor Oil analyzed by EPA Method 8015B
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B
TOC = Top of Casing Elevation
GW = Groundwater
DO = Dissolved Oxygen
ug/L = Parts per billion
ppm = Parts per million
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
NA = Not applicable
ND = Not detected

Note
Survey for well MW-9 dated April 12, 2010 provided by Virgil Chavez Land Surveying, CA.
a = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard

Calscience
Environmental
Laboratories, Inc.

May 19, 2010

Michael Ninokata
Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject: **Calscience Work Order No.:** **10-05-0661**
Client Reference: **2301 - 2307 Lincoln Ave., Alameda, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/8/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Philip Samelle for

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	05/08/10
1680 Rogers Avenue	Work Order No:	10-05-0661
San Jose, CA 95112-1105	Preparation:	EPA 3510C
	Method:	EPA 8015B

Project: 2301 - 2307 Lincoln Ave., Alameda, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	10-05-0661-1-D	05/05/10 12:20	Aqueous	GC 46	05/10/10	05/12/10 00:46	100510B11

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	1700	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	78	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	10-05-0661-2-D	05/05/10 11:15	Aqueous	GC 46	05/10/10	05/12/10 01:02	100510B11

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	160	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	80	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	10-05-0661-3-D	05/05/10 09:05	Aqueous	GC 46	05/10/10	05/12/10 01:18	100510B11

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	75	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received:	05/08/10
Work Order No:	10-05-0661
Preparation:	EPA 3510C
Method:	EPA 8015B

Project: 2301 - 2307 Lincoln Ave., Alameda, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	10-05-0661-4-D	05/05/10 12:10	Aqueous	GC 46	05/10/10	05/12/10 01:33	100510B11

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	710	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5	10-05-0661-5-D	05/05/10 11:25	Aqueous	GC 46	05/10/10	05/12/10 01:49	100510B11

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	77	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	10-05-0661-6-D	05/05/10 11:35	Aqueous	GC 46	05/10/10	05/12/10 02:04	100510B11

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	88	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	10-05-0661-7-D	05/05/10 11:50	Aqueous	GC 46	05/10/10	05/12/10 02:19	100510B11

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	78	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	05/08/10
1680 Rogers Avenue		Work Order No:	10-05-0661
San Jose, CA 95112-1105		Preparation:	EPA 3510C
		Method:	EPA 8015B

Project: 2301 - 2307 Lincoln Ave., Alameda, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	10-05-0661-8-D	05/05/10 12:00	Aqueous	GC 46	05/10/10	05/12/10 02:35	100510B11

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	93	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-9	10-05-0661-9-D	05/05/10 12:31	Aqueous	GC 46	05/10/10	05/12/10 02:51	100510B11

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	106	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-211-1,657	N/A	Aqueous	GC 46	05/10/10	05/11/10 23:28	100510B11

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	05/08/10
1680 Rogers Avenue	Work Order No:	10-05-0661
San Jose, CA 95112-1105	Preparation:	EPA 3510C
	Method:	EPA 8015B (M)

Project: 2301 - 2307 Lincoln Ave., Alameda, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	10-05-0661-1-D	05/05/10 12:20	Aqueous	GC 46	05/10/10	05/12/10 00:46	100510B12

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	79	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	10-05-0661-2-D	05/05/10 11:15	Aqueous	GC 46	05/10/10	05/12/10 01:02	100510B12

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	80	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	10-05-0661-3-D	05/05/10 09:05	Aqueous	GC 46	05/10/10	05/12/10 01:18	100510B12

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	75	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	10-05-0661-4-D	05/05/10 12:10	Aqueous	GC 46	05/10/10	05/12/10 01:33	100510B12

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	100	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	05/08/10
1680 Rogers Avenue	Work Order No:	10-05-0661
San Jose, CA 95112-1105	Preparation:	EPA 3510C
	Method:	EPA 8015B (M)

Project: 2301 - 2307 Lincoln Ave., Alameda, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5	10-05-0661-5-D	05/05/10 11:25	Aqueous	GC 46	05/10/10	05/12/10 01:49	100510B12

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	78	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	10-05-0661-6-D	05/05/10 11:35	Aqueous	GC 46	05/10/10	05/12/10 02:04	100510B12

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	88	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	10-05-0661-7-D	05/05/10 11:50	Aqueous	GC 46	05/10/10	05/12/10 02:19	100510B12

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	78	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	10-05-0661-8-D	05/05/10 12:00	Aqueous	GC 46	05/10/10	05/12/10 02:35	100510B12

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	94	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 05/08/10
Work Order No: 10-05-0661
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: 2301 - 2307 Lincoln Ave., Alameda, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-9	10-05-0661-9-D	05/05/10 12:31	Aqueous	GC 46	05/10/10	05/12/10 02:51	100510B12

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	107	68-140	

Method Blank	099-12-234-601	N/A	Aqueous	GC 46	05/10/10	05/11/10 23:28	100510B12

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 05/08/10
Work Order No: 10-05-0661
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 2301 - 2307 Lincoln Ave., Alameda, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	10-05-0661-1-A	05/05/10 12:20	Aqueous	GC/MS X	05/13/10	05/14/10 03:29	100513L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	10		Xylenes (total)	ND	10	10	
Ethylbenzene	ND	10	10		TPPH	13000	500	10	
Toluene	ND	10	10						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	118	80-132		1,2-Dichloroethane-d4	112	80-141	
Toluene-d8	104	80-120		Toluene-d8-TPPH	107	88-112	
1,4-Bromofluorobenzene	98	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	10-05-0661-2-A	05/05/10 11:15	Aqueous	GC/MS X	05/13/10	05/14/10 03:58	100513L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	118	80-132		1,2-Dichloroethane-d4	114	80-141	
Toluene-d8	100	80-120		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	90	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	10-05-0661-3-A	05/05/10 09:05	Aqueous	GC/MS X	05/13/10	05/14/10 04:27	100513L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	80-132		1,2-Dichloroethane-d4	137	80-141	
Toluene-d8	101	80-120		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	90	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	05/08/10
1680 Rogers Avenue	Work Order No:	10-05-0661
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 2301 - 2307 Lincoln Ave., Alameda, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	10-05-0661-4-A	05/05/10 12:10	Aqueous	GC/MS X	05/13/10	05/14/10 04:55	100513L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	200	1.0	2		Xylenes (total)	130	2.0	2	
Ethylbenzene	200	2.0	2		TPPH	2600	100	2	
Toluene	19	2.0	2						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	112	80-132		1,2-Dichloroethane-d4	111	80-141	
Toluene-d8	102	80-120		Toluene-d8-TPPH	101	88-112	
1,4-Bromofluorobenzene	98	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5	10-05-0661-5-A	05/05/10 11:25	Aqueous	GC/MS X	05/13/10	05/14/10 02:02	100513L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	115	80-132		1,2-Dichloroethane-d4	114	80-141	
Toluene-d8-TPPH	99	88-112		Toluene-d8	100	80-120	
1,4-Bromofluorobenzene	95	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	10-05-0661-6-A	05/05/10 11:35	Aqueous	GC/MS X	05/13/10	05/14/10 05:24	100513L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	115	80-132		1,2-Dichloroethane-d4	115	80-141	
Toluene-d8-TPPH	100	88-112		Toluene-d8	101	80-120	
1,4-Bromofluorobenzene	92	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	05/08/10
1680 Rogers Avenue		Work Order No:	10-05-0661
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 2301 - 2307 Lincoln Ave., Alameda, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	10-05-0661-7-A	05/05/10 11:50	Aqueous	GC/MS X	05/13/10	05/14/10 05:52	100513L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	80-132		1,2-Dichloroethane-d4	130	80-141	
Toluene-d8	103	80-120		Toluene-d8-TPPH	103	88-112	
1,4-Bromofluorobenzene	89	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	10-05-0661-8-A	05/05/10 12:00	Aqueous	GC/MS X	05/13/10	05/14/10 06:20	100513L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	116	80-132		1,2-Dichloroethane-d4	118	80-141	
Toluene-d8	101	80-120		Toluene-d8-TPPH	101	88-112	
1,4-Bromofluorobenzene	93	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-9	10-05-0661-9-A	05/05/10 12:31	Aqueous	GC/MS X	05/13/10	05/14/10 06:49	100513L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	80-132		1,2-Dichloroethane-d4	112	80-141	
Toluene-d8	100	80-120		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	89	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	05/08/10
1680 Rogers Avenue		Work Order No:	10-05-0661
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 2301 - 2307 Lincoln Ave., Alameda, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-3,941**	**N/A**	**Aqueous**	**GC/MS X**	**05/13/10**	**05/14/10 01:34**	**100513L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	80-132		1,2-Dichloroethane-d4	110	80-141	
Toluene-d8-TPPH	99	88-112		Toluene-d8	101	80-120	
1,4-Bromofluorobenzene	89	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.		Date Received:	05/08/10
1680 Rogers Avenue		Work Order No:	10-05-0661
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B

Project 2301 - 2307 Lincoln Ave., Alameda, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-5	Aqueous	GC/MS X	05/13/10	05/14/10	100513S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	121	122	72-120	1	0-20	3
Carbon Tetrachloride	116	120	63-135	3	0-20	
Chlorobenzene	115	115	80-120	0	0-20	
1,2-Dibromoethane	118	117	80-120	1	0-20	
1,2-Dichlorobenzene	107	107	80-120	0	0-20	
1,1-Dichloroethene	125	127	60-132	2	0-24	
Ethylbenzene	113	115	78-120	2	0-20	
Toluene	122	121	74-122	1	0-20	
Trichloroethene	122	120	69-120	2	0-20	3
Vinyl Chloride	118	105	58-130	12	0-20	
Methyl-t-Butyl Ether (MTBE)	108	111	72-126	3	0-21	
Tert-Butyl Alcohol (TBA)	101	106	72-126	4	0-20	
Diisopropyl Ether (DIPE)	112	114	71-137	1	0-23	
Ethyl-t-Butyl Ether (ETBE)	111	114	74-128	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	112	113	76-124	1	0-20	
Ethanol	118	108	35-167	9	0-48	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received: N/A
1680 Rogers Avenue	Work Order No: 10-05-0661
San Jose, CA 95112-1105	Preparation: EPA 3510C
	Method: EPA 8015B

Project: 2301 - 2307 Lincoln Ave., Alameda, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-1,657	Aqueous	GC 46	05/10/10	05/11/10	100510B11

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	99	97	75-117	1	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received: N/A
1680 Rogers Avenue	Work Order No: 10-05-0661
San Jose, CA 95112-1105	Preparation: EPA 3510C
	Method: EPA 8015B (M)

Project: 2301 - 2307 Lincoln Ave., Alameda, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-234-601	Aqueous	GC 46	05/10/10	05/12/10	100510B12

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	116	112	75-117	3	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ELAP ACCREDITED IN ACCORDANCE WITH nelac

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 10-05-0661
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2301 - 2307 Lincoln Ave., Alameda, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-3,941	Aqueous	GC/MS X	05/13/10	05/14/10	100513L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	103	101	80-122	73-129	1	0-20	
Carbon Tetrachloride	96	97	68-140	56-152	0	0-20	
Chlorobenzene	97	99	80-120	73-127	2	0-20	
1,2-Dibromoethane	99	96	80-121	73-128	3	0-20	
1,2-Dichlorobenzene	90	93	80-120	73-127	2	0-20	
1,1-Dichloroethene	100	100	72-132	62-142	1	0-25	
Ethylbenzene	94	96	80-126	72-134	2	0-20	
Toluene	103	103	80-121	73-128	1	0-20	
Trichloroethene	102	104	80-123	73-130	2	0-20	
Vinyl Chloride	108	110	67-133	56-144	2	0-20	
Methyl-t-Butyl Ether (MTBE)	94	92	75-123	67-131	1	0-20	
Tert-Butyl Alcohol (TBA)	92	96	75-123	67-131	4	0-20	
Diisopropyl Ether (DIPE)	95	93	71-131	61-141	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	92	96	76-124	68-132	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	98	98	80-123	73-130	0	0-20	
Ethanol	110	128	61-139	48-152	15	0-27	
TPPH	118	107	65-135	53-147	10	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-05-0661

Qualifier	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 matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
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.
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.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- [x] CALSCIENCE (_____)
- [ ] SPL (_____)
- [ ] XENCO (_____)
- [ ] TEST AMERICA (_____)
- [ ] OTHER (_____)

Please Check Appropriate Box:
- [ ] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [x] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER _____

Print Bill To Contact Name: Peter Schaefer 060204

INCIDENT # (ENV SERVICES): 9 7 7 6 7 0 4 4

- [ ] CHECK IF NO INCIDENT # APPLIES

DATE: 5/5/10

PO #:

SAP #:

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS: Street and City: 2301 - 2307 Lincoln Ave., Alameda

State: CA

GLOBAL ID NO.: T06179714590

ADDRESS: 1680 Rogers Ave, San Jose, CA 95112

EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville Office

PHONE NO: (510) 420-3335

E-MAIL: shelledf@craworld.com

CONSULTANT PROJECT NO: 130505-MW1

BTS #

PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata - Copy to Shell.Lab.Billing@craworld.com

SAMPLER NAME(S) (Print): WILLIAM WONG

LAB USE ONLY: 05-0661

TELEPHONE: (408)573-0555

FAX: (408)573-7771

E-MAIL: mninokata@blainetech.com

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
- [ ] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [x] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)		TPH-D (8015M)	TPH-Motor Oil (8015M)					TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	MW-1	5/5/10	1220	W	3			2		5	X	X	X													X					
2	MW-2		1115								X	X	X													X					
3	MW-3		0905								X	X	X													X					
4	MW-4		1210								X	X	X													X					
5	MW-5		1125								X	X	X													X					
6	MW-6		1135								X	X	X													X					
7	MW-7		1150								X	X	X													X					
8	MW-8		1200								X	X	X													X					
9	MW-9		1231								X	X	X													X					

Relinquished by: (Signature)	Received by: (Signature) SAMPLE CUSTODIAN	Date: 5/5/10	Time: 1435
Relinquished by: (Signature) (Sample Custodian)	Received by: (Signature) CEL	Date: 5-7-10	Time: 1025
Relinquished by: (Signature) GSD 5-7-10 1730	Received by: (Signature) CEL	Date: 5/8/10	Time: 1000

05/2/06 Revision

GSO

WebShip > > > > >

800-322-5555 www.gso.com

0661

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

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

COD:
$0.00

Reference:
BTS, STANTEC, DALY CITY

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 514109072

SDS

ORC

D

GARDEN GROVE

D92843A

81452454

Print Date : 05/07/10 13:07 PM

Package 2 of 2

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

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, do not cover the barcode.
STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section.
Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-05-0661

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTK

DATE: 05/08/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.2 °C + 0.5 °C (CF) = 3.7 °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.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: _____

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: _____

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: YC

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Water: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☑2 500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** YC

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** WSC

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** YC

WELL GAUGING DATA

Project # 100421-6M Date 4/21/10 Client SHELL

Site 2301-2307 LINCOLN AVE ALAMEDA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-9	0840	4					6.74	17.82	TOC	

WELL DEVELOPMENT DATA SHEET

roject #: 100421-RM1	Client: Shell
Developer: RM	Date Developed: 4/21/10
Well I.D. MW-9	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 17.82 After 17.94	Depth to Water: Before 6.74 After 9.26
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

SURGED WELL FOR 15 MINS PRIOR TO PURGING

7.2	X	10	=	72.0
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☑ Positive Air Displacement

Type of Installed Pump _____
Other equipment used 4" SURGE BLOCK

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
0925	60.2	6.85	838.2	>1000	7.2	Silty / cloudy
0943	60.3	6.82	810.5	71000	14.4	↓
0959	60.0	6.86	812.4	71000	21.6	↓
1012	59.5	6.94	796.2	71000	28.8	↓
1024	59.2	6.83	802.6	1000	36.0	no silt
1036	59.0	6.94	786.2	1000	43.2	↓
* 1053	60.3	6.94	782.4	276	50.4	clear
1106	61.3	6.55	791.1	203	57.6	
1118	60.4	6.60	778.9	132	64.8	
1130	60.4	6.54	774.5	109	72.0	
Did Well Dewater? N		If yes, note above.		Gallons Actually Evacuated:		72

* ACHIEVED HARD BOTTOM *

WELL GAUGING DATA

Project # 100505-MW1 Date 5/5/10 Client SHELL

Site 2301-2307 LINCOLN AVE, ALAMEDA, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0813	1					6.83	11.92		
MW-2	0811	1					8.24	12.47		
MW-3	0816	1					6.15	11.64		
MW-4	0807	4					7.34	17.80		
MW-5	0814	4					7.63	17.90		
MW-6	0810	4					7.91	17.79		
MW-7	0806	4					7.44	17.80		
MW-8	0803	4					6.88	17.55		
MW-9	0820	4					7.05	17.91		

SHEL[illegible]WELL MONITORING DATA[illegible]EET

BTS #: 100505-WW1	Site: 2301-2307 LINCOLN AVE, ALAMEDA, CA
Sampler: WW	Date: 5/5/10
Well I.D.: MW-1	Well Diameter: 2 3 4 6 8 1
Total Well Depth (TD): 11.92	Depth to Water (DTW): 6.83
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.84	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other new tubing w/ chk valve

Sampling Method: Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: new tubing w/chk valve

0.2 (Gals.) X	3 =	0.6 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or ~~uS~~)	Turbidity (NTUs)	Gals. Removed	Observations
1014	65.4	7.56	390	>1000	0.2	greenish/gray
1016	65.0	7.43	366	>1000	0.4	"
1018	64.6	7.43	350	>1000	0.6	"

Did well dewater? Yes (No) Gallons actually evacuated: 0.6

Sampling Date: 5/5/10 Sampling Time: 1220 Depth to Water: 7.52 (2HR)

Sample I.D.: MW-1 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Oxygenates (5) Other: TPH-MOTOR OIL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 100505-WW1	Site: 2301-2307 LINCOLN AVE, ALAMEDA, CA
Sampler: WW	Date: 5/5/10
Well I.D.: MW-2	Well Diameter: 2 3 4 6 8 1
Total Well Depth (TD): 12.47	Depth to Water (DTW): 8.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.09	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other new tubing w/ chk valve

Sampling Method: Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: new tubing w/ chk valve

0.2 (Gals.) X	3	=	0.6 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0841	65.6	5.43	873	>1000	0.2	
0843	65.7	5.09	871	>1000	0.4	
0845	65.3	4.91	832	~~>1000~~ 984	0.6	

Did well dewater? Yes (No) Gallons actually evacuated: 0.6

Sampling Date: 5/5/10 Sampling Time: 1115 Depth to Water: 8.24 (ETR)

Sample I.D.: MW-2 Laboratory: (CalScience) Columbia Other

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Oxygenates (5) Other: TPH - MOTOR OIL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

SHEET WELL MONITORING DATA SHEET

BTS #: 100505-WW1	Site: 2301-2307 LINCOLN AVE, ALAMEDA, CA
Sampler: WW	Date: 5/5/10
Well I.D.: MW-3	Well Diameter: 2 3 4 6 8 1
Total Well Depth (TD): 11.64	Depth to Water (DTW): 6.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.25	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other new tubing w/ chk valve

Sampling Method: Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: new tubing w/ check

0.2 (Gals.) X	3	=	0.6 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0852	63.0	4.77	758	>1000	0.2	
0854	64.5	4.66	752	>1000	0.4	
0856	63.8	4.66	748	>1000	0.6	

Did well dewater? Yes (No) Gallons actually evacuated: 0.6

Sampling Date: 5/5/10 Sampling Time: 0905 Depth to Water: 6.20

Sample I.D.: MW-3 Laboratory: (CalScience) Columbia Other

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Oxygenates (5) Other: TPH - MOTOR OIL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 100505-WW1	Site: 2301-2307 LINCOLN AVE, ALAMEDA, CA
Sampler: WW	Date: 5/5/10
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 17.80	Depth to Water (DTW): 7.34
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.43	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (X) Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (X) Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

6.8 (Gals.) X	3	= 20.4 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1004	66.8	6.90	1310	62	6.8	odor
1005	66.7	6.87	1333	112	13.6	"
1006	67.0	6.89	1275	154	20.4	"

Did well dewater? Yes (No) Gallons actually evacuated: 20.4

Sampling Date: 5/5/10 Sampling Time: 1210 Depth to Water: 7.44 (2HR)

Sample I.D.: MW-4 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Oxygenates (5) Other: TPH-MOTOR OIL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 100505-WW1	Site: 2301-2307 LINCOLN AVE, ALAMEDA, CA
Sampler: WW	Date: 5/5/10
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 17.90	Depth to Water (DTW): 7.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.68	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

6.7 (Gals.) X	3	=	20.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or ~~uS~~)	Turbidity (NTUs)	Gals. Removed	Observations
0913	66.0	4.64	951	144	6.7	
0914	67.2	4.55	949	741	13.4	
0916	67.7	4.48	931	503	20.1	

Did well dewater? Yes (No) Gallons actually evacuated: 20.1

Sampling Date: 5/5/10 Sampling Time: 1125 Depth to Water: 7.63 (2HR)

Sample I.D.: MW-5 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Oxygenates (5) Other: TPH - MOTOR OIL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

SHEET WELL MONITORING DATA SHEET

BTS #: 100505-WW1	Site: 2301-2307 LINCOLN AVE, ALAMEDA, CA
Sampler: WW	Date: 5/5/10
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 17.79	Depth to Water (DTW): 7.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.89	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

6.4 (Gals.) X	3	= 19.2 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0933	68.2	7.00	841	56	6.4	
0934	68.3	6.85	837	137	12.8	
0935	68.1	6.94	864	116	19.2	

Did well dewater? Yes (No) Gallons actually evacuated: 19.2

Sampling Date: 5/5/10 Sampling Time: 1135 Depth to Water: 7.94 (2HR)

Sample I.D.: MW-6 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Oxygenates (5) Other: TPH - MOTOR OIL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 100505-WW1	Site: 2301-2307 LINCOLN AVE, ALAMEDA, CA
Sampler: WW	Date: 5/5/10
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 17.80	Depth to Water (DTW): 7.44
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.51	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; ✓ Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: ✓ Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

6.7 (Gals.) X	3	=	20.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
0945	66.5	7.29	914	135	6.7	
0946	66.1	7.18	931	343	13.4	
~~0947~~	WELL	DEWATERED	@ 18	GALS		
1150	64.3	7.00	845	331	—	

Did well dewater? (Yes) No Gallons actually evacuated: 18

Sampling Date: 5/5/10 Sampling Time: 1150 Depth to Water: 7.50 (24HR)

Sample I.D.: MW-7 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Oxygenates (5) Other: TPH - MOTOR OIL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 100505-WW1	Site: 2301-2307 LINCOLN AVE, ALAMEDA, CA
Sampler: WW	Date: 5/5/10
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 17.55	Depth to Water (DTW): 6.88
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.01	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (X) Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (X) Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

6.9 (Gals.) X	3	= 20.7 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0955	65.1	7.57	513	310	6.9	
0956	64.9	7.29	467	815	13.8	
~~0957 (WW)~~	WELL	DEWATERED	@ 16	GALS		
1200	64.2	7.60	468	796	—	

Did well dewater? (Yes) No Gallons actually evacuated: 16

Sampling Date: 5/5/10 Sampling Time: 1200 Depth to Water: 6.88 (2HR)

Sample I.D.: MW-8 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Oxygenates (5) Other: TPH - MOTOR OIL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 100505-WW1	Site: 2301-2307 LINCOLN AVE, ALAMEDA, CA
Sampler: WW	Date: 5/5/10
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 17.91	Depth to Water (DTW): 7.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.22	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

7.1 (Gals.) X	3	=	21.3 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1029	65.8	7.53	712	256	7.1	
1030	65.8	7.35	783	330	14.2	
1031	65.8	7.33	750	>1000	21.3	

Did well dewater? Yes (No) Gallons actually evacuated: 21.3

Sampling Date: 5/5/10 Sampling Time: 1231 Depth to Water: 7.12 (2HR)

Sample I.D.: MW-9 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Oxygenates (5) Other: TPH - MOTOR OIL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 2301-2307 Lincoln Ave ALAMEDA Date 4/21/10

Job Number 100421-RM1 Technician RM Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-9	X	X		X	X				

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12"or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes:

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 2301 - 2307 LINCOLN AVE, ALAMEDA, CA Date 5/5/10

Job Number 100505 - WW1 Technician WW Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1	X							X	
MW-2	X							X	
MW-3	X							X	
MW-4	X							X	
MW-5	X							X	
MW-6	X							X	
MW-7	X							X	
MW-8	X							X	1
MW-9	X				X		X		

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12"or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes: