

RECEIVED

By Alameda County Environmental Health 1:35 pm, Sep 19, 2016

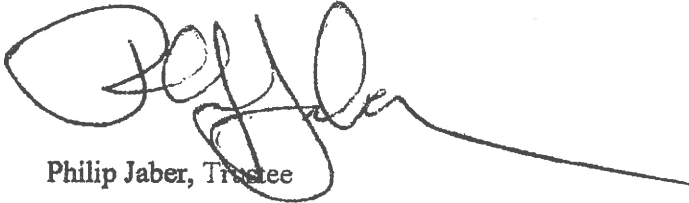
Mr. Mark Detterman
Alameda County Environmental Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Former Olympic Service Station
1436 Grant Avenue
San Lorenzo, California
ACEHD Case No. RO0000373, GeoTacker No. T0600102256

Dear Mr. Detterman:

I declare, under penalty of perjury, that the information and or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,
George and Frida Jaber 1989 Family Trust



Philip Jaber, Trustee



3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

September 16, 2016
Project No. 2115-1436-01

Mr. Mark Detterman, P.G.
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: **Results of Additional Offsite Water Well Sampling**
Former Olympic Service Station
1436 Grant Avenue, San Lorenzo, California
LOP Case #RO0000373

Dear Mr. Detterman:

Stratus Environmental, Inc. (Stratus), on behalf of Mr. Philip Jaber and the George and Frida Jaber 1989 Family Trust, has prepared this letter for the Former Olympic Service Station located at 1436 Grant Avenue in San Lorenzo, California. Alameda County Environmental Health Department (ACEHD) currently regulates an environmental case on the subject property relating to a historical release of motor vehicle fuel to the subsurface. At the request of ACEHD, Stratus recently visited a property located approximately 750 feet south-southwest (cross to downgradient) of the site, at 15857 Via Seco in San Lorenzo, to sample an irrigation well. The location of the property where the well is located is depicted on Figure 1. Prior to sampling, the Stratus representative briefly inspected the well. An above ground pump is used to pump water from the well, and the Stratus representative measured a total depth of approximately 23.7 feet for the well (other construction details are unknown). A grab groundwater sample was collected by a Stratus representative on September 6, 2016, and the sample was forwarded to a state-certified analytical laboratory for chemical analysis. A copy of the laboratory report prepared by the analyzing laboratory (Alpha Analytical, Inc., ELAP No. 2019), is attached to this letter. The data indicates that the well located at 15857 Via Seco is impacted with methyl tertiary butyl ether (MTBE) at a concentration of 0.68 micrograms per liter.

LIMITATIONS

This document was prepared in general accordance with accepted standards of care that existed at the time this work was performed. No other warranty, expressed or implied, is made. Conclusions and recommendations are based on field observations and data obtained from this work and previous investigations. It should be recognized that definition and evaluation of geologic conditions is a difficult and somewhat inexact

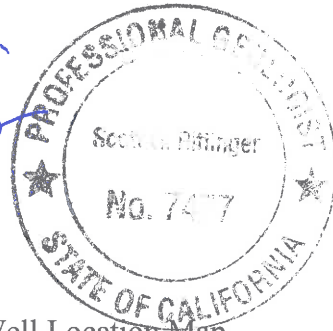
science. Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the subsurface conditions present. More extensive studies may be performed to reduce uncertainties. This document is solely for the use and information of our client unless otherwise noted.

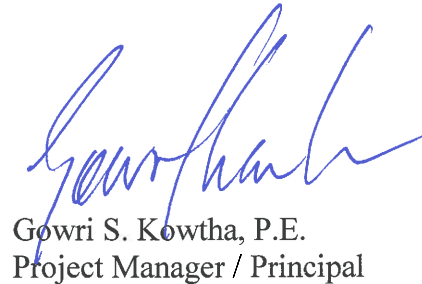
If you have any questions regarding this document, or the project in general, please contact Scott Bittinger at (530) 676-2062 or Gowri Kowtha at (530) 676-6001.

Sincerely,

STRATUS ENVIRONMENTAL, INC.


Scott G. Bittinger, P.G.
Project Geologist




Gowri S. Kowtha, P.E.
Project Manager / Principal


ATTACHMENTS:

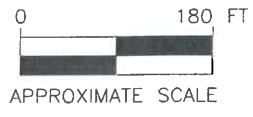
Figure 1 Water Well Location Map
Laboratory Analytical Report and Chain-of-Custody Documentation

cc: Mr. Philip Jaber
Ms. Cherie McCaulou, RWQCB (via GeoTracker)
Mr. Stephen Hatcher, Property Owner, 15857 Via Seco, San Lorenzo



LEGEND

-  LIMITS OF DOOR TO DOOR SEARCH FOR WELLS
-  PROPERTY WITH IRRIGATION WATER WELL



FORMER OLYMPIC SERVICE STATION
 1436 GRANT AVENUE
 SAN LORENZO, CALIFORNIA
 WATER WELL LOCATION MAP

FIGURE
 1
 PROJECT NO.
 2115-1436-01



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 09/07/16

Job: Olympic

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID : 15857 Via Seco				
Lab ID : STR16090710-01A	TPH-P (GRO)	50 µg/L	09/12/16 13:09	09/12/16 13:09
Date Sampled 09/06/16 07:15	Methyl tert-butyl ether (MTBE)	0.50 µg/L	09/12/16 13:09	09/12/16 13:09
	Benzene	ND	09/12/16 13:09	09/12/16 13:09
	Toluene	ND	09/12/16 13:09	09/12/16 13:09
	Ethylbenzene	ND	09/12/16 13:09	09/12/16 13:09
	m,p-Xylene	ND	09/12/16 13:09	09/12/16 13:09
	o-Xylene	ND	09/12/16 13:09	09/12/16 13:09

Gasoline Range Organics (GRO) C4-C13

ND = Not Detected

Reported in micrograms per Liter, per client request.



Roger Scholl

Randy Gardner

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity: Alpha Analytical, Inc. attests that the data reported has not been altered in any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



[Signature]

9/14/16

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR16090710

Job: Olympic

Alpha's Sample ID	Client's Sample ID	Matrix	pH
16090710-01A	15857 Via Seco	Aqueous	2

9/14/16

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
14-Sep-16

QC Summary Report

Work Order:
16090710

Method Blank

Type MBLK Test Code: EPA Method SW8015B/C / SW8260B

File ID: 60

Batch ID: MS15W0912B

Analysis Date: 09/12/2016 11:58

Sample ID: MBLK MS15W0912A

Units: µg/L

Run ID: MANUAL_160912B

Prep Date: 09/12/2016 11:58

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	11.9		10		119	70	130			
Surr: Toluene-d8	9.28		10		93	70	130			
Surr: 4-Bromofluorobenzene	9.31		10		93	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method SW8015B/C / SW8260B

File ID: 59

Batch ID: MS15W0912B

Analysis Date: 09/12/2016 11:00

Sample ID: GLCS MS15W0912B

Units: µg/L

Run ID: MANUAL_160912B

Prep Date: 09/12/2016 11:00

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	444	50	400		111	70	130			
Surr: 1,2-Dichloroethane-d4	11.8		10		118	70	130			
Surr: Toluene-d8	9.24		10		92	70	130			
Surr: 4-Bromofluorobenzene	9.66		10		97	70	130			

Sample Matrix Spike

Type MS Test Code: EPA Method SW8015B/C / SW8260B

File ID: 63

Batch ID: MS15W0912B

Analysis Date: 09/12/2016 21:31

Sample ID: 16090724-01AGS

Units: µg/L

Run ID: MANUAL_160912B

Prep Date: 09/12/2016 21:31

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2310	250	2000	219.8	105	46	167			
Surr: 1,2-Dichloroethane-d4	55.7		50		111	70	130			
Surr: Toluene-d8	43.3		50		87	70	130			
Surr: 4-Bromofluorobenzene	49.1		50		98	70	130			

Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method SW8015B/C / SW8260B

File ID: 64

Batch ID: MS15W0912B

Analysis Date: 09/12/2016 21:55

Sample ID: 16090724-01AGSD

Units: µg/L

Run ID: MANUAL_160912B

Prep Date: 09/12/2016 21:55

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2200	250	2000	219.8	99	54	143	2313	5.0(23)	
Surr: 1,2-Dichloroethane-d4	56.1		50		112	70	130			
Surr: Toluene-d8	43.7		50		87	70	130			
Surr: 4-Bromofluorobenzene	49.9		50		99.7	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Gasoline Range Organics (GRO) C4-C13

Aeronautic Gas Range Organics (AGRO) C4-C10

Reported in micrograms per Liter, per client request.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
14-Sep-16

QC Summary Report

Work Order:
16090710

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: 21

Batch ID: **MS15W0912A**

Analysis Date: **09/12/2016 11:58**

Sample ID: **MBLK MS15W0912A**

Units: **µg/L**

Run ID: **MANUAL_160912B**

Prep Date: **09/12/2016 11:58**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	11.9		10		119	70	130			
Surr: Toluene-d8	9.28		10		93	70	130			
Surr: 4-Bromofluorobenzene	9.31		10		93	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: 19

Batch ID: **MS15W0912A**

Analysis Date: **09/12/2016 10:34**

Sample ID: **LCS MS15W0912A**

Units: **µg/L**

Run ID: **MANUAL_160912B**

Prep Date: **09/12/2016 10:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	11.6	0.5	10		116	63	137			
Benzene	9.26	0.5	10		93	70	130			
Toluene	8.2	0.5	10		82	70	130			
Ethylbenzene	8.54	0.5	10		85	70	130			
m,p-Xylene	8.33	0.5	10		83	65	139			
o-Xylene	8.26	0.5	10		83	70	130			
Surr: 1,2-Dichloroethane-d4	11.8		10		118	70	130			
Surr: Toluene-d8	9.16		10		92	70	130			
Surr: 4-Bromofluorobenzene	9.79		10		98	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: 22

Batch ID: **MS15W0912A**

Analysis Date: **09/12/2016 20:44**

Sample ID: **16090724-01AMS**

Units: **µg/L**

Run ID: **MANUAL_160912B**

Prep Date: **09/12/2016 20:44**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	50.5	1.3	50	0	101	56	140			
Benzene	43.9	1.3	50	0.5	87	67	134			
Toluene	34.5	1.3	50	0.92	67	38	130			
Ethylbenzene	34.3	1.3	50	0.59	67	70	130			M2
m,p-Xylene	38.3	1.3	50	6.01	65	65	139			M2
o-Xylene	41.3	1.3	50	8.63	65	69	130			M2
Surr: 1,2-Dichloroethane-d4	58.4		50		117	70	130			
Surr: Toluene-d8	43.4		50		87	70	130			
Surr: 4-Bromofluorobenzene	50.2		50		100	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: 23

Batch ID: **MS15W0912A**

Analysis Date: **09/12/2016 21:08**

Sample ID: **16090724-01AMSD**

Units: **µg/L**

Run ID: **MANUAL_160912B**

Prep Date: **09/12/2016 21:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	65.3	1.3	50	0	131	56	140	50.51	25.5(40)	
Benzene	51.9	1.3	50	0.5	103	67	134	43.87	16.7(21)	
Toluene	39.8	1.3	50	0.92	78	38	130	34.53	14.1(20)	
Ethylbenzene	39.1	1.3	50	0.59	77	70	130	34.28	13.1(20)	
m,p-Xylene	41.9	1.3	50	6.01	72	65	139	38.26	9.2(20)	
o-Xylene	45.3	1.3	50	8.63	73	69	130	41.34	9.1(20)	
Surr: 1,2-Dichloroethane-d4	55.5		50		111	70	130			
Surr: Toluene-d8	43.4		50		87	70	130			
Surr: 4-Bromofluorobenzene	49.8		50		99.6	70	130			



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:

14-Sep-16

QC Summary Report

Work Order:

16090710

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.

Per client request, all 8010 analytes were added together and reported out as Total Halogens.

Per client request, all 8010 analytes were added together and reported out as Total Halogens.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

WorkOrder : STR16090710

Report Due By : 5:00 PM On : 14-Sep-16

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

Client:
 Stratus Environmental
 3330 Cameron Park Drive
 Suite 550
 Cameron Park, CA 95682-8861

Report Attention	Phone Number	E Mail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

EDD Required : Yes

Sampled by : C. Hill

PO :
 Client's COC # : 8780 Job : Olympic

Cooler Temp	Samples Received	Date Printed
3 °C	07-Sep-16	07-Sep-16

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Alpha	No. of Bottles Sub	TAT	Requested Tests							Sample Remarks		
						TPH/P_W	VOC_W								
STR16090710-01A	15857 Via Seco	AQ	09/06/16 07:15	3	0	5	GAS-C	BTEX/M_C							

Comments: Security seals intact. Frozen ice. :

Signature	Print Name	Company	Date/Time
	Meghan C.	Alpha Analytical, Inc.	9/7/16 1340

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

