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By Alameda County Environmental Health 2:23 pm, Apr 26, 2017

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, GeoTracker No. T0600102256

Dear Mr. Detterman:

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker website.

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

April 21, 2017
Project No. 2115-1436-01

Mr. Mark Detterman, P.G.
Alameda County Health Care Services Agency
Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **First Quarter 2017 Groundwater Monitoring and Sampling Event Results Report**
Former Olympic Station
1436 Grant Avenue
San Lorenzo, California
ACEHD Case No. RO0000373, GeoTracker No. T0600102256

Dear Mr. Detterman:

On behalf of Mr. Philip Jaber and the George and Frida Jaber 1989 Family Trust, Stratus Environmental, Inc. (Stratus) is submitting the attached report, for the Former Olympic Station located at 1436 Grant Avenue in San Lorenzo, California (the site, see Figures 1 through 3). If you have any questions or comments concerning this report, please contact Gowri Kowtha at gkowtha@stratusinc.net or (530) 676-6001 or Scott Bittinger at (530) 676-2062.

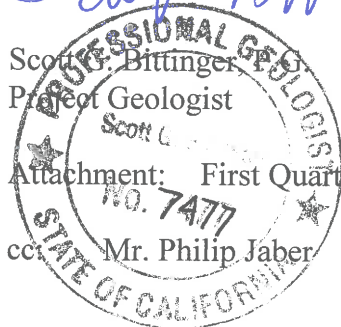
Sincerely,

STRATUS ENVIRONMENTAL, INC.

Scott L. Bittinger
Professional Geologist

Attachment: **First Quarter 2017 Groundwater Monitoring and Sampling Event Results Report**

cc: Mr. Philip Jaber



Gowri S. Kowtha, P.E.
Project Manager

FORMER OLYMPIC STATION FIRST QUARTER 2017 GROUNDWATER MONITORING AND SAMPLING EVENT RESULTS REPORT

Facility Address: 1436 Grant Avenue, San Lorenzo, CA
Consulting Co. / Contact Person: Stratus Environmental, Inc. / Gowri Kowtha, P.E. or Scott Bittinger, P.G.
Consultant Project No: 2115-1436-01
Primary Agency/Regulatory ID No: Mark Detterman, Alameda County Environmental Health Department (ACEHD) / Case No. RO0000373

WORK PERFORMED THIS PERIOD (First Quarter 2017):

1. On January 19, 2017, Stratus conducted the first quarter 2017 groundwater monitoring and sampling event, which consisted of gauging and sampling wells MW-1 through MW-4, MW-5A through MW-8A, MW-5B, MW-6B, EX-2, EX-4, EX-6, and EX-7. Wells EX-1 and EX-5 could not be accessed on this date due to cars parked over the wells. Well EX-3 was not accessed on January 19, 2017 due to standing water at the well location.
2. ACEHD, Mr. Phillip Jaber, and Stratus met on February 22, 2017 to discuss impediments to site closure.
3. At the request of ACEHD, Stratus prepared a draft flyer requesting information from the public regarding possible undocumented water supply wells near the site. ACEHD subsequently modified the flyer, with supplemental comments by Stratus. The flyer was mailed to select residences located northwest, west, and southwest of the site by ACEHD. The flyer was distributed in multiple languages in an attempt to contact as many residents as possible.

WORK PROPOSED FOR NEXT PERIOD (Second Quarter 2017):

1. Per a request by the ACEHD, Stratus will perform quarterly groundwater monitoring and sampling at the site, using all of the site's monitoring and remediation wells.
2. A conference call was held between Stratus and ACEHD on April 5, 2017 to discuss content and final preparation of a document requested by ACEHD in a letter dated January 11, 2017. The requested document (*Work Plan for Additional Subsurface Investigation and Focused Site Conceptual Model*) was prepared and submitted on April 6, 2017.
3. Once public responses to the water supply well flyer mailings have been received, Stratus will take actions to contact the owners of undocumented wells, and potentially conduct water well sampling, as appropriate.
4. Stratus will initiate activities proposed in the April 5, 2017 *Work Plan* once ACEHD personnel have approved the scope of work.

Current Phase of Project:	<u>CAP/REM (Start-up)</u>
Frequency of Groundwater Monitoring:	<u>Quarterly</u>
Frequency of Groundwater Monitoring and Sampling:	<u>Quarterly</u>
Groundwater Sampling Date:	<u>January 19, 2017</u>
Is Free Product (FP) Present on Site:	<u>No</u>
Approximate Depth to Groundwater (10-12' Wells):	<u>4.21 to 8.40 feet below top of well casing (BTOC)</u>
Groundwater Flow Direction (10-12' Wells):	<u>Southwest</u>
Groundwater Gradient (10-12' Wells):	<u>0.02 ft/ft</u>
Approximate Depth to Groundwater (20-26' Wells):	<u>4.56 to 5.75 feet BTOC</u>
Groundwater Flow Direction (20-26' Wells):	<u>Variable</u>
Groundwater Gradient (20-26' Wells):	<u>0.005 to 0.02 ft/ft</u>

GROUNDWATER MONITORING AND SAMPLING EVENT:

An electronic water level sounder was used to gauge depth to water levels in the site's monitoring and extraction wells. Following gauging, purge groundwater samples were collected from the monitoring and extraction wells. Groundwater samples collected from the wells were analyzed at a state-certified analytical laboratory for gasoline range organics (GRO) by EPA Method SW8015B/SW8260B and for benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tert-butyl ether (MTBE) by EPA Method SW8260B. Well construction details are summarized in Table 1, and historical groundwater elevation and analytical data are summarized in Table 2. Field data sheets documenting measurements and observations obtained by Stratus personnel, a description of sampling and analyses procedures utilized, and laboratory analytical reports with chain-of-custody records are included in Appendix A, B, and C, respectively. Documentation of depth to groundwater and analytical data uploading to the State of California's GeoTracker database is provided in Appendix D.

Depth to groundwater ranged from 4.21 to 8.40 feet below the top of the well casing (BTOC) in the shallow monitoring wells, and from 4.56 to 5.75 feet BTOC in the deeper monitoring wells on January 19, 2017. These depth to groundwater measurements have been corrected to elevation mean sea level and used to prepare groundwater elevation contour maps (Figures 4 and 5). Southwest groundwater flow was calculated using the data from the shallow monitoring wells and variable groundwater flow was calculated using the data from the 20 to 26 foot-depth well network. West and southwest groundwater flow patterns have typically been observed at the site.

Figure 6 presents a summary of GRO, benzene, and MTBE concentrations in well samples collected from the shallow monitoring wells (10-12 feet in depth) on January 19, 2017. GRO was detected in two of the five well samples, at concentrations of 140 µg/L at MW-6A and 170 µg/L at MW-7A. Benzene was detected at wells MW-5A (2.2 µg/L) and MW-6A (53 µg/L). MTBE was detected in wells MW-7A (1.3 µg/L) and MW-6A (9.3 µg/L). Fuel contaminants were absent in the samples collected from wells MW-4 and MW-8A. Concentrations of GRO, benzene, and MTBE decreased in all wells compared to historical data from previous quarters.

Figure 7 presents a summary of GRO, benzene, and MTBE concentrations in well samples collected from the deeper monitoring wells (20-26 feet in depth) on January 19, 2017. GRO was not detected in any of the deeper well samples and benzene was only reported in the EX-7 sample (13 µg/L). MTBE was detected in all of the deeper well samples, at concentrations ranging from 0.73 µg/L to 110 µg/L.

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.

ATTACHMENTS:

- Table 1 Well Construction Detail Summary
- Table 2 Groundwater Elevation and Analytical Summary
- Figure 1 Site Location Map
- Figure 2 Site Plan
- Figure 3 Area Map
- Figure 4 Groundwater Elevation Contour Map, 10-12' Depth Monitoring Wells, First Quarter 2017
- Figure 5 Groundwater Elevation Contour Map, 20-26' Depth Monitoring Wells, First Quarter 2017
- Figure 6 Groundwater Analytical Summary, 10-12' Depth Monitoring Wells, First Quarter 2017
- Figure 7 Groundwater Analytical Summary, 20-26' Depth Monitoring Wells, First Quarter 2017
- Appendix A Field Data Sheets
- Appendix B Sampling and Analyses Procedures
- Appendix C Laboratory Analytical Reports and Chain-of-Custody Documentation
- Appendix D GeoTracker Electronic Submittal Confirmations

TABLE 1
WELL CONSTRUCTION DETAIL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Boring/Well I.D.	Date	Boring Depth (feet)	Boring Diameter (inches)	Well Diameter (inches)	Screen Interval (feet bgs)	Slot Size (inches)	Drilling Method	Consultant
Groundwater Monitoring Wells								
MW-1	09/24/99	26.5	8	2	5 - 26.5	0.020	HSA	Aqua Science Engineers
MW-2	09/24/99	20	8	2	5-20	0.020	HSA	Aqua Science Engineers
MW-3	09/24/99	21.5	8	2	5-21	0.020	HSA	Aqua Science Engineers
MW-4	02/09/10	10	10	4	5-10	0.020	Air Knife	Conestoga-Rovers & Associates
MW-5A	05/28/14	10	8	2	5-10	0.020	HSA	Stratus Environmental
MW-5B	05/28/14	20	8	2	15-20	0.020	HSA	Stratus Environmental
MW-6A	05/28/14	10	8	2	5-10	0.020	HSA	Stratus Environmental
MW-6B	05/28/14	20	8	2	15-20	0.020	HSA	Stratus Environmental
MW-7A	12/04/15	12	8	2	4-12	0.020	HSA	Stratus Environmental
MW-8A	12/04/15	12	8	2	4-12	0.020	HSA	Stratus Environmental
Extraction Wells								
EX-1	05/19/11	20	10	4	5-20	0.020	HSA	Stratus Environmental
EX-2	05/19/11	20	10	4	5-20	0.020	HSA	Stratus Environmental
EX-3	05/19/11	20	10	4	5-20	0.020	HSA	Stratus Environmental
EX-4	02/20/14	20	10	4	5-20	0.020	HSA	Stratus Environmental
EX-5	02/20/14	20	10	4	5-20	0.020	HSA	Stratus Environmental
EX-6	02/21/14	20	10	4	5-20	0.020	HSA	Stratus Environmental
EX-7	02/20/14	20	10	4	5-20	0.020	HSA	Stratus Environmental
Injection Wells								
IW-1	05/20/11	11.5	8	0.75	9.5-11.5	microporous	HSA	Stratus Environmental
IW-2	05/20/11	16	8	0.75	14-16	microporous	HSA	Stratus Environmental
Soil Vapor Sampling Points								
SV-1	02/12/10	5.5	3.25	0.375	5-5.1	0.002	HA	Conestoga-Rovers & Assoc.
SV-2	02/09/10	5.5	3.25	0.375	5-5.1	0.002	HA	Conestoga-Rovers & Assoc.
SV-3	02/09/10	5.5	3.25	0.375	5-5.1	0.002	HA	Conestoga-Rovers & Assoc.
SV-4	02/09/10	5.5	3.25	0.375	5-5.1	0.002	HA	Conestoga-Rovers & Assoc.
SV-5	05/20/11	5.5	3.25	0.375	5-5.1	0.002	HA	Stratus Environmental, Inc.
SV-6	12/04/15	6	2.5	0.25	5.3-5.5	mesh	HA	Stratus Environmental, Inc.
SV-7	12/04/15	6	2.5	0.25	5.3-5.5	mesh	HA	Stratus Environmental, Inc.

Notes:

HSA = Hollow Stem Auger

HA = Hand Auger

Data regarding the construction of wells MW-1 through MW-4 obtained from groundwater monitoring reports prepared by Conestoga-Rovers & Associates

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)
MW-1	10/06/99	8.35	15.00	6.65	--	--	84**	3,900*	<25	<25	<25	<25	3,500	--	--	--	--	--	--	--
	01/13/00	7.90		7.10	--	--	<50	<1,300	18	<13	<13	<13	1,700	--	--	--	--	--	--	--
	04/12/00	7.08		7.92	--	--	56***	<1,000	66	<10	<10	<10	1,600	--	--	--	--	--	--	--
	07/19/00	7.66		7.34	--	--	52**	<1,000	<10	<10	<10	<10	1,200	--	--	--	--	--	--	--
	10/25/00	7.91		7.09	--	--	76***	4,100*	120	<25	<25	<25	6,100	--	--	--	--	--	--	--
	02/16/07	6.32		8.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/01/07	5.88		9.12	--	<250	<50	<50	<1.2	<1.2	<1.2	<1.2	78	<1.2	<1.2	<1.2	<12	<120	<1.2	<1.2
	05/01/07	7.24	15.71	8.47	--	<250	<50	<50	<5.0	<5.0	<5.0	<5.0	250	<5.0	<5.0	<5.0	<50	<500	<5.0	<5.0
	08/01/07	7.77		7.94	--	--	<50	<50	<25	<25	<25	<25	520	<25	<25	<25	<250	<2,500	<25	<25
	11/01/07	7.71		8.00	--	--	<50	<50	<12	<12	<12	<12	460	<12	<12	<12	<120	<1,200	<12	<12
	02/01/08	5.71		10.00	--	--	<50	<50	<2.5	<2.5	<2.5	<2.5	110	<2.5	<2.5	<2.5	<10	<250	<2.5	<2.5
	05/02/08	7.52		8.19	--	<250	<50	<50	<5.0	<5.0	<5.0	<5.0	240	<5.0	<5.0	<5.0	<20	<500	<5.0	<5.0
	08/01/08	8.02		7.69	--	--	<50	<50	<10	<10	<10	<10	500	<10	<10	<10	<40	<1,000	<10	<10
	11/04/08	7.28		8.43	--	--	<50	<50	<5.0	<5.0	<5.0	<5.0	260	<5.0	<5.0	<5.0	26	<500	<5.0	<5.0
	08/11/09	8.08		7.63	--	--	<50	<50	<5.0	<5.0	<5.0	<5.0	270	<5.0	<5.0	<5.0	<20	<500	<5.0	<5.0
	02/03/10	6.14		9.57	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	39	--	--	--	--	--	--	--
	05/18/10	7.09		8.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/05/10	7.65		8.06	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	350	--	--	--	--	--	--	--
	02/04/11	7.20		8.51	--	--	--	<50	0.90	<0.5	<0.5	<0.5	62	--	--	--	--	--	--	--
	06/03/11	7.28	18.60	11.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/02/11	7.47		11.13	--	--	--	120	<0.50	<0.50	<0.50	<0.50	160	--	--	--	--	--	--	--
	09/29/11	7.83		10.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/11	7.03		11.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/09/11	7.55		11.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/11	7.81		10.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/12	6.45		12.15	--	--	--	55	<0.50	<0.50	<0.50	<0.50	71	--	--	--	--	--	--	--
	08/28/12	7.81		10.79	--	--	--	120	<0.50	<0.50	<0.50	<0.50	240	--	--	--	--	--	--	--
	02/27/13	7.32		11.28	--	--	--	61	<0.50	<0.50	<0.50	<0.50	69	--	--	--	--	--	--	--
	08/26/13	8.05		10.55	--	--	--	470	<0.50	<0.50	<0.50	<0.50	590	--	--	--	--	--	--	--
	06/19/14	7.86		10.74	--	--	--	190	<0.50	<0.50	<0.50	<0.50	230	--	--	--	--	--	--	--
	11/25/14	7.45		11.15	--	--	--	51	<0.50	<0.50	<0.50	<0.50	100	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/14/15	7.24		11.36	--	--	--	68	<0.50	<0.50	<0.50	<0.50	120	--	--	--	--	--	--	--
	07/14/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/15	8.53		10.07	--	--	--	330	<0.50	<0.50	<0.50	<0.50	450	--	--	--	--	--	--	--
	12/17/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/11/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/05/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/19/16	7.12		11.48	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	77	--	--	--	--	--	--	--
	01/19/17	5.33		13.27	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	14	--	--	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)
MW-2	10/06/99	7.87	14.46	6.59	<1,000	500[3]	<50	70*	<0.5	<0.5	<0.5	<0.5	11	--	--	--	--	--	--	--
	01/13/00	7.46		7.00	<1,000	500[3]	<50	<50	<0.5	<0.5	<0.5	<0.5	6.2	--	--	--	--	--	--	--
	04/12/00	6.67		7.79	1,100	<500	<50	<50	<0.5	<0.5	<0.5	<0.5	39	--	--	--	--	--	--	--
	07/19/00	7.23		7.23	1,300	<500	<50	<1,000	<10	<10	<10	<10	990	--	--	--	--	--	--	--
	10/25/00	7.52		6.94	--	<500	<50	370	<2.5	<2.5	<2.5	<2.5	690	--	--	--	--	--	--	--
	02/16/07	5.89		8.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/01/07	5.45		9.01	--	<250	<50	<50	<0.5	<0.5	<0.5	<0.5	9.8	<0.5	<0.5	<0.5	<5.0	<50	<0.5	<0.5
	05/01/07	6.83	15.17	8.34	--	<250	<50	<50	<5.0	<5.0	<5.0	<5.0	120	<5.0	<5.0	<5.0	<50	<500	<5.0	<5.0
	08/01/07	7.35		7.82	--	--	<50	<50	<5.0	<5.0	<5.0	<5.0	130	<5.0	<5.0	<5.0	<50	<500	<5.0	<5.0
	11/01/07	7.27		7.90	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	19	<0.5	<0.5	<0.5	<5.0	<50	<0.5	<0.5
	02/01/08	5.25		9.92	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	3.3	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5
	05/02/08	7.12		8.05	--	--	<50	<50	<2.5	<2.5	<2.5	<2.5	83	<2.5	<2.5	<2.5	<10	<250	<2.5	<2.5
	08/01/08	7.59		7.58	--	--	<50	<50	<1.0	<1.0	<1.0	<1.0	52	<1.0	<1.0	<1.0	<4.0	<100	<1.0	<1.0
	11/04/08	6.84		8.33	--	--	80	<50	<0.5	<0.5	<0.5	<0.5	5.9	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5
	08/11/09	7.65		7.52	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	9.4	<0.5	<0.5	<0.5	<2.0	<50	<0.5	<0.5
	02/03/10	5.75		9.42	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	0.86	--	--	--	--	--	--	--
	05/18/10	6.67		8.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/05/10	7.25		7.92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	57	--	--	--	--	--	--	--
	02/04/11	6.79		8.38	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	4.4	--	--	--	--	--	--	--
	06/03/11	6.82	18.00	11.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/02/11	7.06		10.94	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	46	--	--	--	--	--	--	--
	09/29/11	7.39		10.61	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	41	<1.0	<1.0	<1.0	<10	--	--	<1.0
	10/12/11	6.62		11.38	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	37	<1.0	<1.0	<1.0	<10	--	--	<1.0
	11/09/11	7.11		10.89	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	33	<1.0	<1.0	<1.0	<10	--	--	<1.0
	12/12/11	7.35		10.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/12	5.98		12.02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	4.3	--	--	--	--	--	--	--
	08/28/12	7.39		10.61	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	35	--	--	--	--	--	--	--
	02/27/13	6.91		11.09	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	12	--	--	--	--	--	--	--
	08/26/13	7.61		10.39	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	6.2	--	--	--	--	--	--	--
	06/19/14	7.73		10.27	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	13	--	--	--	--	--	--	--
	11/25/14	7.03		10.97	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	0.67	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/14/15	6.83		11.17	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	2.1	--	--	--	--	--	--	--
	07/14/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/15	8.00		10.00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	1.0	--	--	--	--	--	--	--
	12/17/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/11/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/05/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/19/16	6.70		11.30	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	23	--	--	--	--	--	--	--
	01/19/17	4.85		13.15	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	0.81	--	--	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)
MW-3	10/06/99	7.90	14.41	6.51	--	--	300**	3,900	900	89	160	560	790	--	--	--	--	--	--	--
	01/13/00	7.50		6.91	--	--	210**	740	110	4.8	35	18	290	--	--	--	--	--	--	--
	04/12/00	6.61		7.80	--	--	640***	2,200	650	9.7	180	24	140	--	--	--	--	--	--	--
	07/19/00	7.24		7.17	--	--	270**	2,700*	420	<2.5	160	<2.5	99	--	--	--	--	--	--	--
	10/25/00	7.52		6.89	--	--	150	710*	180	<2.5	24	<2.5	71	--	--	--	--	--	--	--
	02/16/07	5.90		8.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/01/07	5.44		8.97	--	<250	<50	82	20	<1.7	<1.7	<1.7	100	<1.7	<1.7	<1.7	<17	<170	<1.7	<1.7
	05/01/07	6.87	15.13	8.26	--	<250	<50	<50	<5.0	<5.0	<5.0	<5.0	88	<5.0	<5.0	<5.0	<50	<500	<5.0	<5.0
	08/01/07	7.40		7.73	--	--	<50	130	12	<2.5	<2.5	<2.5	98	<2.5	<2.5	<2.5	<25	<250	<2.5	<2.5
	11/01/07	7.35		7.78	--	--	<50	77	<2.5	<2.5	<2.5	<2.5	68	<2.5	<2.5	<2.5	<25	<250	<2.5	<2.5
	02/01/08	5.28		9.85	--	--	<50	<50	<2.5	<2.5	<2.5	<2.5	97	<2.5	<2.5	<2.5	<10	<250	<2.5	<2.5
	05/02/08	7.15		7.98	--	--	<50	68	2.3	<1.7	<1.7	<1.7	86	<1.7	<1.7	<1.7	7.2	<170	<1.7	<1.7
	08/01/08	7.66		7.47	--	--	<50	85	3.5	<1.0	<1.0	<1.0	66	<1.0	<1.0	<1.0	7.2	<100	<1.0	<1.0
	11/04/08	6.96		8.17	--	--	<50	<50	<1.0	<1.0	<1.0	<1.0	40	<1.0	<1.0	<1.0	<4.0	<100	<1.0	<1.0
	08/11/09	7.72		7.41	--	--	<50	110	33	<0.50	<0.50	<0.50	28	<0.50	<0.50	<0.50	<2.0	<50	<0.50	<0.50
	02/03/10	5.72		9.41	--	--	--	<50	0.55	<0.50	<0.50	<0.50	25	--	--	--	--	--	--	--
	05/18/10	6.73		8.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/05/10	7.31		7.82	--	--	--	450	110	2.2	0.76	0.64	32	--	--	--	--	--	--	--
	02/04/11	6.80		8.33	--	--	--	220[1]	64	1.6	<0.5	<0.5	36	--	--	--	--	--	--	--
	06/03/11	6.87	17.95	11.08	--	--	--	200	26	<0.50	<0.50	<0.50	34	--	--	--	--	--	--	--
	08/02/11	7.07		10.88	--	--	--	<50	2.5	<0.50	<0.50	<0.50	36	--	--	--	--	--	--	--
	09/29/11	7.43		10.52	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	28	<1.0	<1.0	<1.0	<10	--	--	<1.0
	10/12/11	6.67		11.28	--	--	--	<50	0.91	<0.50	<0.50	<0.50	32	<1.0	<1.0	<1.0	<10	--	--	<1.0
	11/09/11	7.16		10.79	--	--	--	<50	1.8	<0.50	<0.50	<0.50	31	<1.0	<1.0	<1.0	<10	--	--	<1.0
	12/12/11	7.42		10.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/15/12	6.21		11.74	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	24	--	--	--	--	--	--	--
	08/28/12	7.44		10.51	--	--	--	<50	6.5	<0.50	<0.50	<0.50	24	--	--	--	--	--	--	--
	02/27/13	6.90		11.05	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	18	--	--	--	--	--	--	--
	08/26/13	7.72		10.23	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	34	--	--	--	--	--	--	--
	06/19/14	7.50		10.45	--	--	--	<50	2.3	<0.50	<0.50	<0.50	16	--	--	--	--	--	--	--
	11/25/14	7.11		10.84	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	20	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/14/15	6.85		11.10	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	43	--	--	--	--	--	--	--
	07/14/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/15	8.11		9.84	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	39	--	--	--	--	--	--	--
	12/17/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/11/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/05/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/19/16	6.71		11.24	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	23	--	--	--	--	--	--	--
	01/19/17	4.83		13.12	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	22	--	--	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)
MW-4	05/18/10	6.68	15.15	8.47	--	--	--	13,000	620	36	170	12	1,200	--	--	--	--	--	--	--
	08/05/10	7.25		7.90	--	--	--	9,200	780	13	230	4.3	1,800	--	--	--	--	--	--	--
	02/04/11	6.71		8.44	--	--	--	4,800[1]	350	7.1	23	<2.5	440	--	--	--	--	--	--	--
	06/03/11	6.78	17.99	11.21	--	--	--	4,700	350	2.6	19	<2.5[2]	670	--	--	--	--	--	--	--
	08/02/11	7.01		10.98	--	--	--	4,700	290	<2.5[2]	12	<2.5[2]	970	--	--	--	--	--	--	--
	09/29/11	7.37		10.62	--	--	--	8,700	590	<5.0[2]	34	<5.0[2]	1,500	<10[2]	28	<10[2]	<100[2]	--	--	<10[2]
	10/12/11	6.61		11.38	--	--	--	1,500	160	<1.0[2]	1.8	<1.0[2]	1,300	<2.0[2]	8.6	<2.0[2]	42	--	--	<2.0[2]
	11/09/11	7.18		10.81	--	--	--	2,800	190	1.4	9.6	1.3	720	<2.0[2]	3.6	<2.0[2]	270	--	--	<2.0[2]
	12/12/11	7.36		10.63	--	--	--	3,800	300	2.4	11	2.5	1,200	--	--	--	--	--	--	--
	03/15/12	6.15		11.84	--	--	--	8,300	530	<5.0[2]	120	72	3,700	--	--	--	--	--	--	--
	08/28/12	7.40		10.59	--	--	--	2,400	250	<4.0[2]	14	<4.0[2]	1,400	--	--	--	--	--	--	--
	02/27/13	6.85		11.14	--	--	--	2,400	160	2.5	8.2	<2.0[2]	1,400	--	--	--	--	--	--	--
	08/26/13	7.69		10.30	--	--	--	4,900	220	<2.5[2]	5.7	<2.5[2]	2,400	--	--	--	--	--	--	--
	06/19/14	7.48		10.51	--	--	--	6,000	260	<4.0[2]	8.8	<4.0[2]	1,600	--	--	--	--	--	--	--
	11/25/14	7.00		10.99	--	--	--	2,900	72	<5.0[2]	<5.0[2]	<5.0[2]	4,500	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/14/15	7.00		10.99	--	--	--	460	33	<1.0[4]	<1.0[4]	<1.0[4]	730	--	--	--	--	--	--	--
	07/14/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/15	8.07		9.92	--	--	--	1,100	14	<2.0[2]	2.0	<2.0[2]	1,400	--	--	--	--	--	--	--
	12/17/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/11/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/05/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/19/16	8.17		9.82	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	43	--	--	--	--	--	--	--
	01/19/17	4.21		13.78	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	
MW-5A	06/19/14	7.53	17.94	10.41	--	--	--	21,000	2,000	<25[2]	1,400	650	<25[2]	--	--	--	--	--	--	--	
	09/19/14	8.61		9.33	--	--	--	18,000	1,900	11	1,200	839.9	<5[2]	--	--	--	--	--	--	--	
	11/25/14	7.47		10.47	--	--	--	14,000	1,500	<10[2]	1,100	570	<10[2]	--	--	--	--	--	--	--	
	02/02/15	6.90		11.04	--	--	--	10,000	970	<20[2]	480	180	<20[2]	--	--	--	--	--	--	--	
	04/14/15	6.81		11.13	--	--	--	12,000	1,600	5.2	940	270	7.0	--	--	--	--	--	--	--	
	07/14/15	7.85		10.09	--	--	--	2,800	390	<2.0[2]	130	40	13	--	--	--	--	--	--	--	--
	10/20/15	8.21		9.73	--	--	--	1,300	310	<1.5[2]	55	4.5	13	--	--	--	--	--	--	--	--
	12/17/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/11/16	6.20		11.74	--	--	--	1,100	230	<1.0[2]	42	<1.0[2]	<1.0[2]	--	--	--	--	--	--	--	--
	07/05/16	7.18		10.76	--	--	--	660	120	<0.50	23	0.79	1.8	--	--	--	--	--	--	--	--
	10/19/16	6.66		11.28	--	--	--	230	14	<0.50	3.4	<0.50	<0.50	--	--	--	--	--	--	--	--
	01/19/17	4.80		13.14	--	--	--	<100[4]	2.2	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--
	MW-5B	06/19/14	7.52	17.92	10.40	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	32	--	--	--	--	--	--	--
11/25/14		7.18		10.74	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	10	--	--	--	--	--	--	--	
02/02/15		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/14/15		6.88		11.04	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	2.1	--	--	--	--	--	--	--	
07/14/15		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/20/15		8.10		9.82	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	1.7	--	--	--	--	--	--	--	
12/17/15		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
01/11/16		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/05/16		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/19/16		6.75		11.17	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	82	--	--	--	--	--	--	--	
01/19/17	5.75		12.17	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	38	--	--	--	--	--	--	--		

TABLE 2
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Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)
MW-6A	06/19/14	7.66	18.05	10.39	--	--	--	43,000	3,300	<50[2]	2,000	3,100	77	--	--	--	--	--	--	--
	09/19/14	8.80		9.25				28,000	3,400	19	2,000	1,900	45	--	--	--	--	--	--	--
	11/25/14	7.56		10.49	--	--	--	23,000	2,800	16	1,500	1,730	160	--	--	--	--	--	--	--
	02/02/15	7.13		10.92	--	--	--	14,000	1,100	<20[2]	490	350	35	--	--	--	--	--	--	--
	04/14/15	6.98		11.07	--	--	--	12,000	2,100	<10[2]	880	190	61	--	--	--	--	--	--	--
	07/14/15	8.00		10.05	--	--	--	4,400	930	<5.0[2]	200	263	99	--	--	--	--	--	--	--
	10/20/15	8.34		9.71	--	--	--	5,700	1,300	<10[2]	170	380	110	--	--	--	--	--	--	--
	12/17/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/11/16	6.13		11.92	--	--	--	1,700	480	<2.0[2]	<2.0[2]	52.7	43	--	--	--	--	--	--	--
	07/05/16	7.21		10.84	--	--	--	1,500	280	1.3	5.9	79	4.3	--	--	--	--	--	--	--
	10/19/16	6.93		11.12	--	--	--	3,200	920	<10[1]	78	<10[1]	11	--	--	--	--	--	--	--
	01/19/17	5.00		13.05	--	--	--	140	53	<0.50	<0.50	<0.50	9.3	--	--	--	--	--	--	--
	MW-6B	06/19/14	7.32	17.69	10.37	--	--	--	86	<0.50	<0.50	<0.50	<0.50	82	--	--	--	--	--	--
11/25/14		6.98		10.71	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	51	--	--	--	--	--	--	--
02/02/15		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/15		6.68		11.01	--	--	--	85	<0.50	<0.50	<0.50	<0.50	150	--	--	--	--	--	--	--
07/14/15		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/20/15		7.91		9.78	--	--	--	<100	<0.50	<0.50	<0.50	<0.50	40	--	--	--	--	--	--	--
12/17/15		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/11/16		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/05/16		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/16		6.55		11.14	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	120	--	--	--	--	--	--	--
01/19/17	4.56		13.13	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	110	--	--	--	--	--	--	--	

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)
MW-7A	12/17/15	8.04	17.65	9.61	--	--	--	350	<0.50	<0.50	1.2	<0.50	37	--	--	--	--	--	--	--
	01/11/16	6.42		11.23	--	--	--	470	<0.50	<0.50	4.6	<0.50	20	--	--	--	--	--	--	--
	07/05/16	7.21		10.44	--	--	--	440	<0.50	<0.50	11	<0.50	4.8	--	--	--	--	--	--	--
	10/19/16	7.15		10.50	--	--	--	370	<0.50	<0.50	12	<0.50	2.3	--	--	--	--	--	--	--
	01/19/17	5.08		12.57	--	--	--	170	<0.50	<0.50	2.0	<0.50	1.3	--	--	--	--	--	--	--
MW-8A	12/17/15	7.25	18.08	10.83	--	--	--	210	<0.50	<0.50	<0.50	<0.50	0.63	--	--	--	--	--	--	--
	01/11/16	7.02		11.06	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	0.65	--	--	--	--	--	--	--
	07/05/16	8.80		9.28	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
	10/19/16	8.09		9.99	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
	01/19/17	8.40		9.68	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	
EX-1	06/03/11	6.96	18.14	11.18	--	--	--	76	8.3	<0.50	<0.50	0.99	37	--	--	--	--	--	--	--	
	08/02/11	7.20		10.94	--	--	--	420	37	0.65	3.5	2.9	32	--	--	--	--	--	--	--	
	09/29/11	7.53		10.61	--	--	--	150	13	<0.50	3.2	1.1	23	<1.0	1.2	<1.0	<10	--	--	<1.0	
	10/12/11	6.63		11.51	--	--	--	180	23	0.51	2.8	0.97	27	<1.0	1.0	<1.0	<10	--	--	<1.0	
	11/09/11	7.28		10.86	--	--	--	<50	4.3	<0.50	<0.50	<0.50	34	<1.0	<1.0	<1.0	<10	--	--	<1.0	
	12/12/11	7.50		10.64	--	--	--	520	32	1.3	13	5.58	20	--	--	--	--	--	--	--	
	03/15/12	6.19		11.95	--	--	--	<50	2.6	<0.50	<0.50	<0.50	8.4	--	--	--	--	--	--	--	
	08/28/12	7.53		10.61	--	--	--	410	88	1.2	36	1.4	42	--	--	--	--	--	--	--	
	02/27/13	7.02		11.12	--	--	--	<50	0.75	<0.50	<0.50	<0.50	14	--	--	--	--	--	--	--	
	08/26/13	NM		NM						Well Covered by Car - No Sample Collected											
	06/19/14	7.59		10.55	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	19	--	--	--	--	--	--	--	
	11/25/14	6.95		11.19	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	15	--	--	--	--	--	--	--	
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	04/14/15	NM		NM	--	--	--	64	1.5	<0.50	<0.50	<0.50	49	--	--	--	--	--	--	--	
	07/14/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/20/15	8.25		9.89	--	--	--	67	4.3	<0.50	1.2	<0.50	36	--	--	--	--	--	--	--	
	12/17/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	01/11/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	07/05/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/19/16	6.92		11.22	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	4.8	--	--	--	--	--	--	--	
01/19/17	NM		NM						Well Covered by Car - No Sample Collected												
EX-2	06/03/11	6.81	18.14	11.33	--	--	--	760	<1.5[2]	<1.5[2]	<1.5[2]	<1.5[2]	1,100	--	--	--	--	--	--	--	
	08/02/11	7.03		11.11	--	--	--	920	8.7	<1.0[2]	<1.0[2]	<1.0[2]	920	--	--	--	--	--	--	--	
	09/29/11	7.37		10.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/12/11	6.65		11.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/09/11	7.08		11.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/12/11	7.35		10.79	--	--	--	590	5.6	<1.0[2]	<1.0[2]	<1.0[2]	920	--	--	--	--	--	--	--	
	03/15/12	6.58		11.56	--	--	--	100	<0.50	<0.50	<0.50	<0.50	130	--	--	--	--	--	--	--	
	08/28/12	7.35		10.79	--	--	--	<300[2]	2.5	<1.5[2]	<1.5[2]	<1.5[2]	540	--	--	--	--	--	--	--	
	02/27/13	6.82		11.32	--	--	--	320	0.51	<0.50	<0.50	<0.50	420	--	--	--	--	--	--	--	
	08/26/13	7.56		10.58	--	--	--	270	<0.50	<0.50	<0.50	<0.50	340	--	--	--	--	--	--	--	
	06/19/14	7.37		10.77	--	--	--	150	<0.50	<0.50	<0.50	<0.50	170	--	--	--	--	--	--	--	
	11/25/14	7.02		11.12	--	--	--	72	<0.50	<0.50	<0.50	<0.50	130	--	--	--	--	--	--	--	
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	04/14/15	6.77		11.37	--	--	--	70	<0.50	<0.50	<0.50	<0.50	120	--	--	--	--	--	--	--	
	07/14/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/20/15	8.03		10.11	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	37	--	--	--	--	--	--	--	
	12/17/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	01/11/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	07/05/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/19/16	6.72		11.42	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	30	--	--	--	--	--	--	--	
01/19/17	5.15		12.99	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	58	--	--	--	--	--	--	--		

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

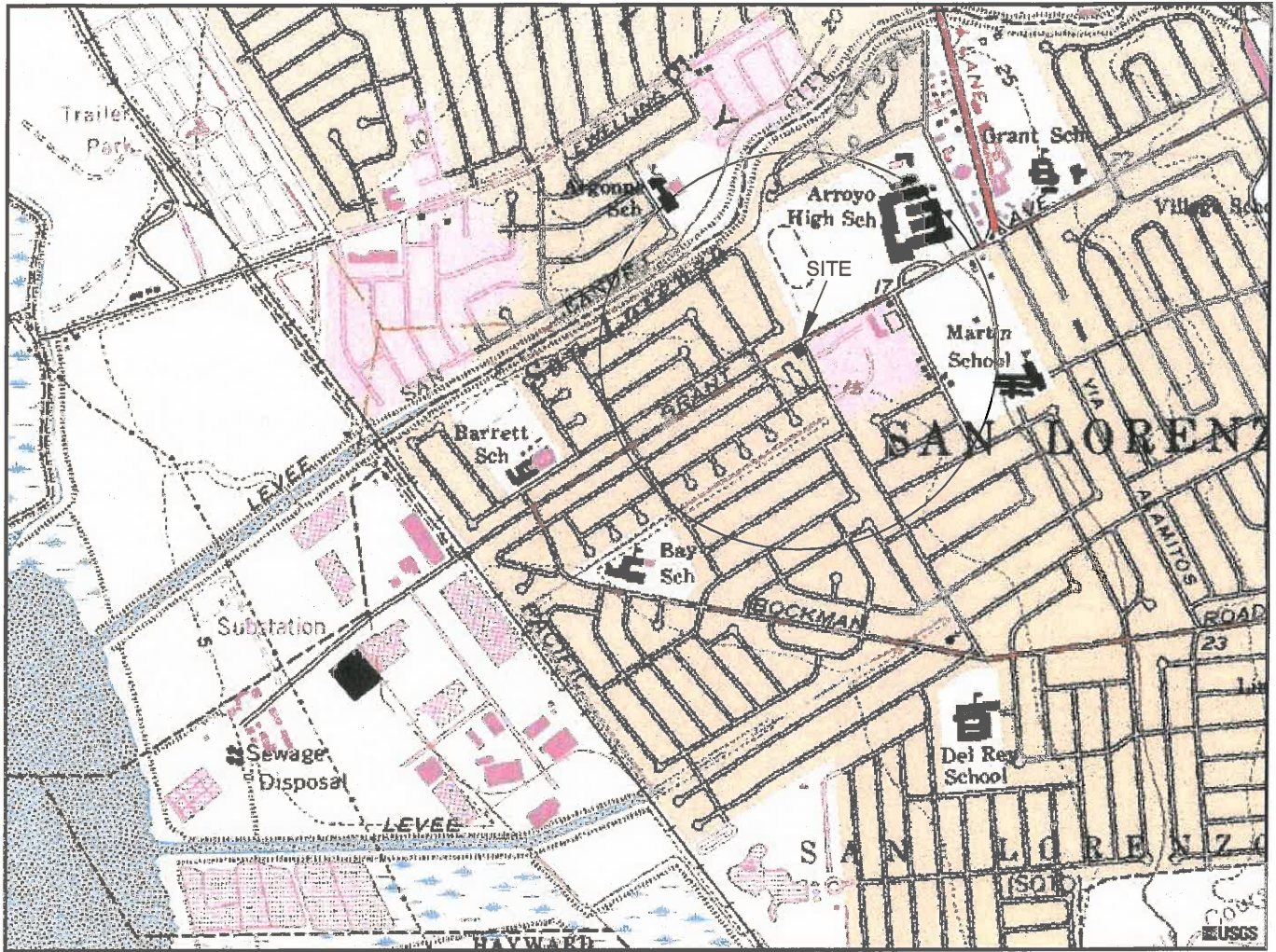
Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	
EX-3	06/03/11	6.55	17.63	11.08	--	--	--	95	0.93	<0.50	<0.50	<0.50	78	--	--	--	--	--	--	--	
	08/02/11	6.82		10.81	--	--	--	130	1.5	<0.50	<0.50	<0.50	150	--	--	--	--	--	--	--	
	09/29/11	7.15		10.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/11	6.37		11.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/11	6.89		10.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/11	7.12		10.51	--	--	--	100	2.4	<0.50	<0.50	<0.50	<0.50	84	--	--	--	--	--	--	--
	03/15/12	5.70		11.93	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	30	--	--	--	--	--	--	--
	08/28/12	7.15		10.48	--	--	--	100	<0.50	<0.50	<0.50	<0.50	<0.50	190	--	--	--	--	--	--	--
	02/27/13	6.63		11.00	--	--	--	84	<0.50	<0.50	<0.50	<0.50	<0.50	93	--	--	--	--	--	--	--
	08/26/13	7.41		10.22	--	--	--	120	<0.50	<0.50	<0.50	<0.50	<0.50	120	--	--	--	--	--	--	--
	06/19/14	7.20		10.43	--	--	--	96	<0.50	<0.50	<0.50	<0.50	<0.50	110	--	--	--	--	--	--	--
	11/25/14	6.85		10.78	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	6.9	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/14/15	6.57		11.06	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	13	--	--	--	--	--	--	--
	07/14/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/15	7.83		9.80	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	--	--	--	--	--	--	--
	12/17/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/11/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/05/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/19/16	6.50		11.13	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	110	--	--	--	--	--	--	--
01/19/17	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Well Covered by Water - No Sample Collected																					
EX-4	06/19/14	7.64	18.30	10.66	--	--	--	210	9.5	<0.50	0.55	0.74	10	--	--	--	--	--	--	--	
	11/25/14	7.21		11.09	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	8.5	--	--	--	--	--	--	--	
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	04/14/15	7.00		11.30	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	1.1	--	--	--	--	--	--	--	
	07/14/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/20/15	8.29		10.01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	--	--	--	--	--	--	
	12/17/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	01/11/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	07/05/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/19/16	6.92		11.38	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.2	--	--	--	--	--	--	
01/19/17	5.15	13.15	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.73	--	--	--	--	--	--			
Well Covered by Car - No Sample Collected																					
EX-5	06/19/14	7.84	18.41	10.57	--	--	--	110	6.0	<0.50	<0.50	<0.50	14	--	--	--	--	--	--		
	11/25/14	7.42		10.99	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	40	--	--	--	--	--	--		
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	04/14/15	NM		NM	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	15	--	--	--	--	--	--		
	07/14/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	10/20/15	8.49		9.92	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	8.9	--	--	--	--	--		
	12/17/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	01/11/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	07/05/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	10/19/16	7.09		11.32	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12	--	--	--	--	--		
01/19/17	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)
EX-6	06/19/14	7.81	18.29	10.48	--	--	--	190	25	<0.50	5.9	<0.50	18	--	--	--	--	--	--	--
	11/25/14	7.44		10.85	--	--	--	250	36	<0.50	7.1	<0.50	160	--	--	--	--	--	--	--
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/14/15	7.17		11.12	--	--	--	180	25	<0.50	3.1	<0.50	110	--	--	--	--	--	--	--
	07/14/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/20/15	8.45		9.84	--	--	--	180	10	<0.50	<0.50	<0.50	210	--	--	--	--	--	--	--
	12/17/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/11/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/05/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/19/16	7.02		11.27	--	--	--	<50	0.89	<0.50	<0.50	<0.50	57	--	--	--	--	--	--	--
	01/19/17	5.13		13.16	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	32	--	--	--	--	--	--	--
EX-7	06/19/14	7.44	18.06	10.62	--	--	--	56	0.79	<0.50	<0.50	<0.50	50	--	--	--	--	--	--	
	11/25/14	7.04		11.02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	3.3	--	--	--	--	--	--	
	02/02/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	04/14/15	6.81		11.25	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	24	--	--	--	--	--	--	
	07/14/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/20/15	8.13		9.93	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	5.2	--	--	--	--	--	--	
	12/17/15	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	01/11/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	07/05/16	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/19/16	6.75		11.31	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	24	--	--	--	--	--	--	
	01/19/17	4.85		13.21	--	--	--	<200[4]	13	<1.0[4]	<1.0[4]	1.2	17	--	--	--	--	--	--	

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Former Olympic Service Station, 1436 Grant Avenue, San Lorenzo, CA

Well ID	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl)	Oil & Grease (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)				
DOMESTIC WELLS																								
1587 Via Rancho	07/26/16	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	57	--	--	--	--	--	--	--				
15857 Via Seco	09/06/16	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	0.68	--	--	--	--	--	--	--				
15868 Corte Ulisse	09/24/16	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--				
15772 Via Theresa	09/24/16	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--				
1632 Via Barrett	10/01/16	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--				
1617 Via Lacqua	10/01/16	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	1.0	--	--	--	--	--	--	--				
Legend/Key:																								
ft msl = feet above mean sea level				TPH - mo = total petroleum hydrocarbons as motor oil				MTBE - methyl tertiary butyl ether				TAME = tert amyl methyl ether				Analytical Methods:								
µg/L = micrograms per liter				TPHd = total petroleum hydrocarbons as diesel				DIPE = di isopropyl ether				TBA = tert butyl ether				GRO analyzed by EPA Method								
NM = Not measured				GRO = gasoline range organics C6-C12				ETBE = ethyl tertiary butyl ether				1,2-DCA = 1,2-dichloroethane				SW8015B/SW8260B, all other analytes analyzed by SW8260B.								
* = Hydrocarbon reported in the gasoline range does not match the gasoline standard.																								
** = Hydrocarbon reported is in the early diesel range and does not match the diesel standard.																								
*** = Hydrocarbon reported does not match the pattern of the diesel standard.																								
-- = No sample collected																								
[1] Weakly modified or unmodified gasoline is significant.																								
[2] = Reporting Limits were increased due to high concentrations of target analytes.																								
[3] = Sample also analyzed for halogenated volatile organic compounds (EPA Method 8010) and semivolatile organic compounds (EPA Method 8270A); all analytes reported as non-detect.																								
[4] = Reporting Limits were increased due to sample foaming.																								
												Analytical data for samples collected prior to 2011 are obtained from documents available in the Alameda County Environmental Health Department files.												
												Well elevations and locations surveyed by Morrow Surveying on June 15, 2011. Monitoring wells MW-5A/B, MW-6A/B, and extraction wells EX-4 through EX-7 surveyed by Morrow Surveying on June 2, 2014.												



GENERAL NOTES:
 BASE MAP FROM U.S.G.S.
 SAN LORENZO, CA.
 7.5 MINUTE TOPOGRAPHIC
 PHOTOREVISED 1978



QUADRANGLE LOCATION



APPROXIMATE SCALE



STRATUS
 ENVIRONMENTAL, INC.

FORMER OLYMPIC SERVICE STATION
 1436 GRANT AVENUE
 SAN LORENZO, CALIFORNIA

FIGURE

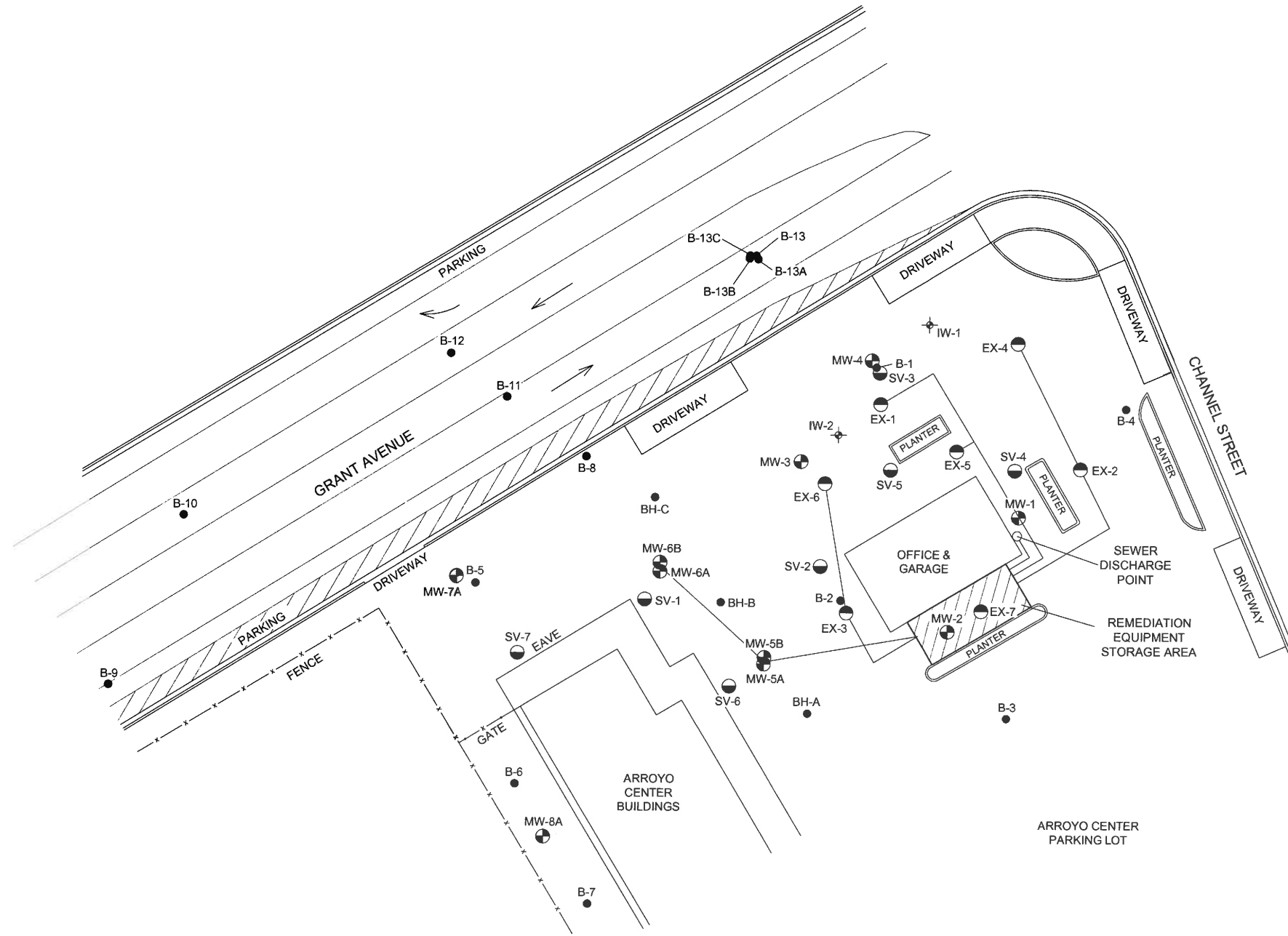
1

PROJECT NO.
 2115-1436-01

SITE LOCATION MAP



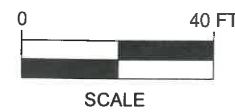
- LEGEND
- MW-1 MONITORING WELL LOCATION
 - SV-1 SOIL VAPOR PROBE LOCATION
 - EX-1 EXTRACTION WELL LOCATION
 - IW-1 OZONE INJECTION WELL LOCATION
 - B-1 SOIL BORING LOCATION
 - APPROXIMATE LOCATIONS OF ABOVE GROUND CONVEYANCE PIPING



BASED ON SURVEY PREPARED BY MORROW SURVEYING ON 6/15/11 & UPDATED IN JUNE 2014 & DECEMBER 2015.

STRATUS
ENVIRONMENTAL, INC.

PATH NAME: Olympic
 DRAFTER INITIALS: DMG
 DATE LAST REVISED: January 05, 2015
 FILENAME: Olympic Siteplan



FORMER OLYMPIC SERVICE STATION
 1436 GRANT AVENUE
 SAN LORENZO, CALIFORNIA

SITE PLAN

FIGURE
2

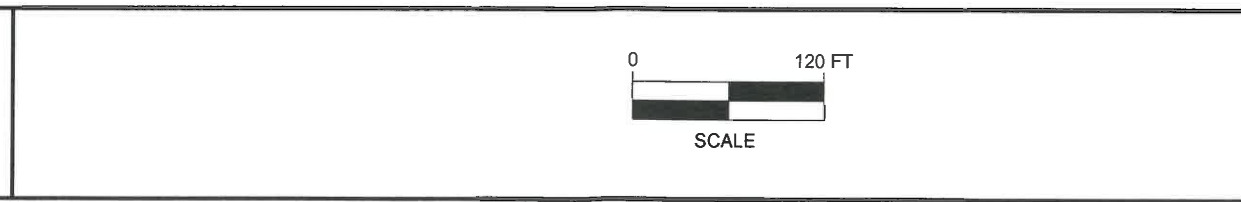
PROJECT NO.
 2115-1436-01



- LEGEND:**
- ACTIVE WELL, OWNER REFUSED TO ALLOW SAMPLING
 - ACTIVE WELL, SAMPLED WITH OWNER/TENANT CONSENT
 - WELL PRESENT, BUT INACTIVE FOR A LONG TIME
 - WELL SUSPECTED, BUT NOT CONFIRMED TO BE PRESENT
 - CONFLICTING INFORMATION ABOUT PRESENCE OF WELL



PATH NAME: Olympic
 DRAFTER INITIALS: DMG
 DATE LAST REVISED: October 11, 2016
 FILENAME: Olympic Siteplan

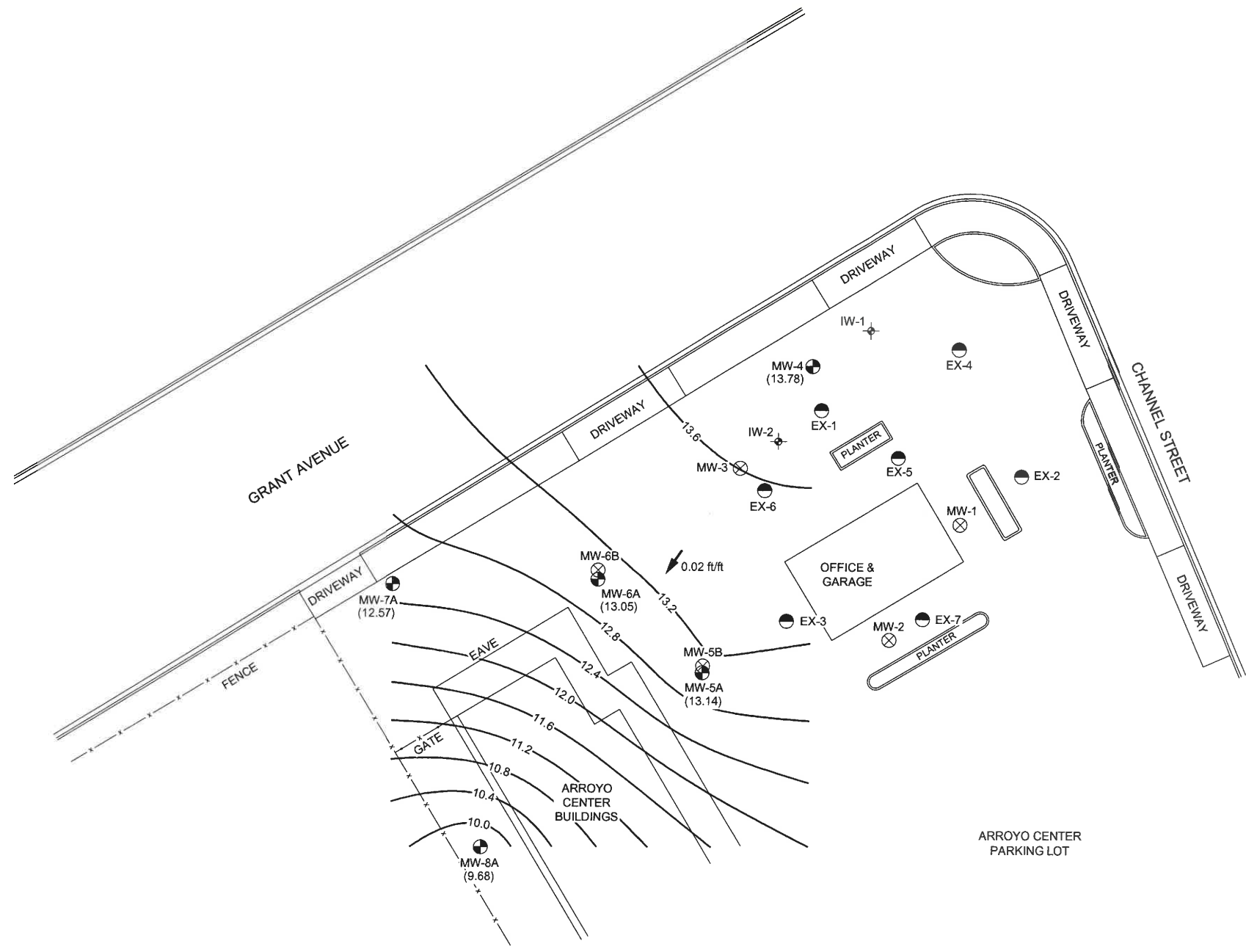


FORMER OLYMPIC SERVICE STATION
 1436 GRANT AVENUE
 SAN LORENZO, CALIFORNIA
 AREA MAP

FIGURE
3
 PROJECT NO.
 2115-1436-01



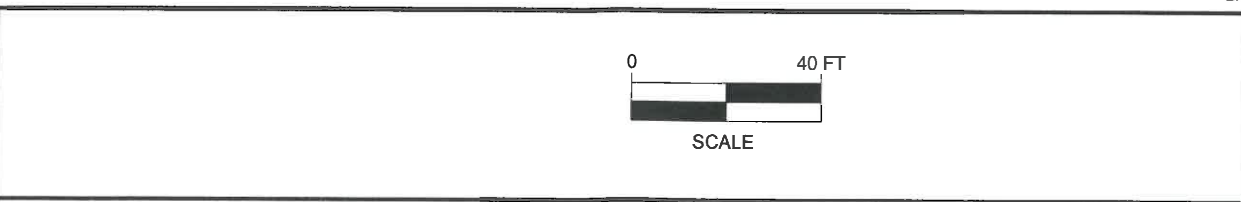
- LEGEND
- MW-1 SHALLOW MONITORING WELL LOCATION
 - ⊗ MW-1 DEEP MONITORING WELL LOCATION
 - EX-1 EXTRACTION WELL LOCATION
 - ⊕ IW-1 OZONE INJECTION WELL LOCATION
 - (13.14) GROUNDWATER ELEVATION IN FEET RELATIVE TO MSL
 - 13.2— GROUNDWATER ELEVATION CONTOUR IN FEET RELATIVE TO MSL
 - ➔ INFERRED GROUNDWATER FLOW DIRECTION
 - WELLS MEASURED ON 01/19/17
 - MSL = MEAN SEA LEVEL
 - NOTE: THE DPE SYSTEM WAS INACTIVE AT THE TIME OF WELL GAUGING.



BASED ON SURVEY PREPARED BY MORROW SURVEYING ON 6/15/11 & UPDATED IN JUNE 2014 & DECEMBER 2015.



PATH NAME: Olympic/Quarterly
 DRAFTER INITIALS: DMG
 DATE LAST REVISED: February 07, 2017
 FILENAME: Olympic Quarterly Figures

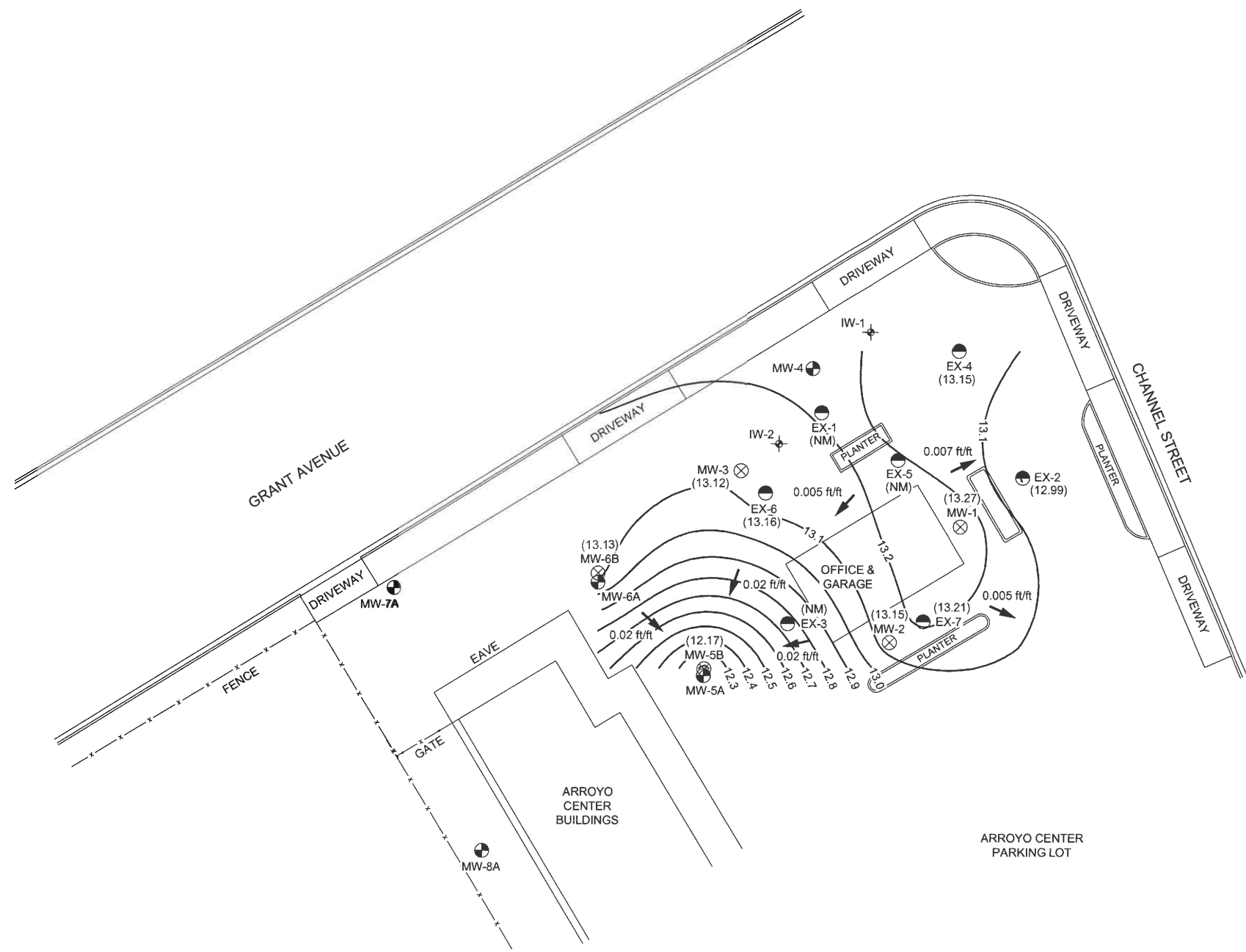


FORMER OLYMPIC SERVICE STATION
 1436 GRANT AVENUE
 SAN LORENZO, CALIFORNIA
 GROUNDWATER ELEVATION CONTOUR MAP
 10' - 12' DEPTH MONITORING WELLS
 1st QUARTER 2017

FIGURE
4
 PROJECT NO.
 2115-1436-01



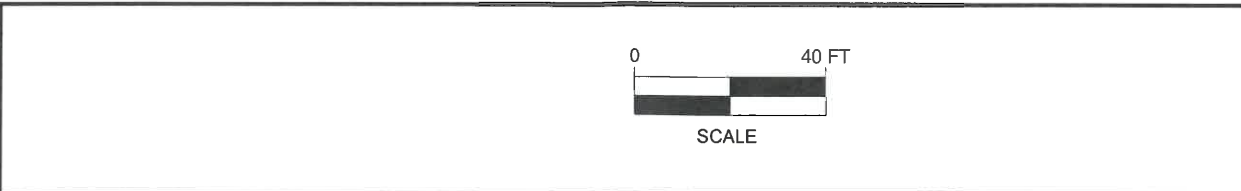
- LEGEND
- MW-1 SHALLOW MONITORING WELL LOCATION
 - MW-1 DEEP MONITORING WELL LOCATION
 - EX-1 EXTRACTION WELL LOCATION
 - IW-1 OZONE INJECTION WELL LOCATION
 - (13.13) GROUNDWATER ELEVATION IN FEET RELATIVE TO MSL
 - 12.4— GROUNDWATER ELEVATION CONTOUR IN FEET RELATIVE TO MSL
 - INFERRED GROUNDWATER FLOW DIRECTION
- WELLS MEASURED ON 01/19/17
 MSL = MEAN SEA LEVEL
 (NM) = NOT MEASURED
 NOTE: THE DPE SYSTEM WAS INACTIVE AT THE TIME OF WELL GAUGING.



BASED ON SURVEY PREPARED BY MORROW SURVEYING ON 6/15/11 & UPDATED IN JUNE 2014 & DECEMBER 2015.



PATH NAME: OlympicQuarterly
 DRAFTER INITIALS: DMG
 DATE LAST REVISED: February 07, 2017
 FILENAME: Olympic Quarterly Figures



FORMER OLYMPIC SERVICE STATION
 1436 GRANT AVENUE
 SAN LORENZO, CALIFORNIA
 GROUNDWATER ELEVATION CONTOUR MAP
 20' - 26' DEPTH MONITORING WELLS
 1st QUARTER 2017

FIGURE
5
 PROJECT NO.
 2115-1436-01

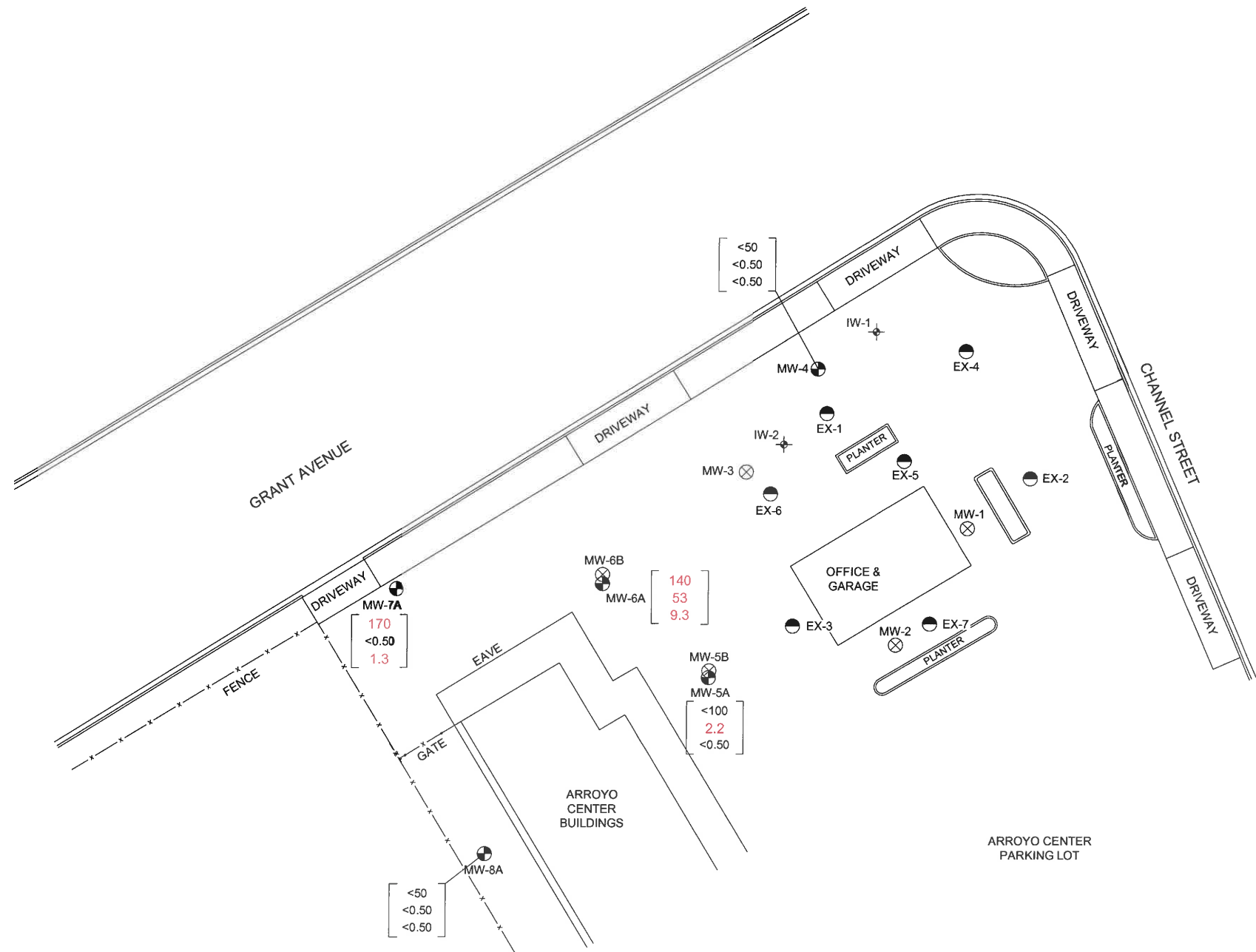


LEGEND

- MW-1 SHALLOW MONITORING WELL LOCATION
- ⊗ MW-1 DEEP MONITORING WELL LOCATION
- EX-1 EXTRACTION WELL LOCATION
- ⊕ IW-1 OZONE INJECTION WELL LOCATION

460 GASOLINE RANGE ORGANICS (GRO) CONCENTRATION IN $\mu\text{g/L}$
33 BENZENE CONCENTRATION IN $\mu\text{g/L}$
730 METHYL TERTIARY BUTYL ETHER (MTBE) IN $\mu\text{g/L}$

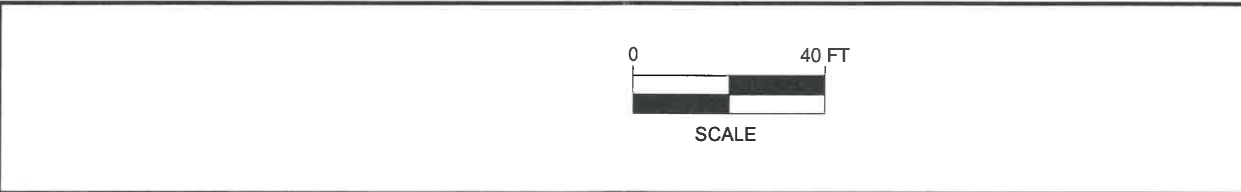
WELLS SAMPLED ON 01/19/17
 GRO ANALYZED BY EPA METHOD SW8015B/SW8260B
 MTBE & BENZENE ANALYZED BY EPA METHOD SW8260B



BASED ON SURVEY PREPARED BY MORROW SURVEYING ON 6/15/11 & UPDATED IN JUNE 2014 & DECEMBER 2015.



PATH NAME: Olympic\Quarterly
 DRAFTER INITIALS: DMG
 DATE LAST REVISED: February 07, 2017
 FILENAME: Olympic Quarterly Figures



FORMER OLYMPIC SERVICE STATION
 1436 GRANT AVENUE
 SAN LORENZO, CALIFORNIA
 GROUNDWATER ANALYTICAL SUMMARY
 10' - 12' DEPTH MONITORING WELLS
 1st QUARTER 2017

FIGURE
6
 PROJECT NO.
 2115-1436-01



LEGEND

- MW-1 SHALLOW MONITORING WELL LOCATION
- MW-1 DEEP MONITORING WELL LOCATION
- EX-1 EXTRACTION WELL LOCATION
- IW-1 OZONE INJECTION WELL LOCATION

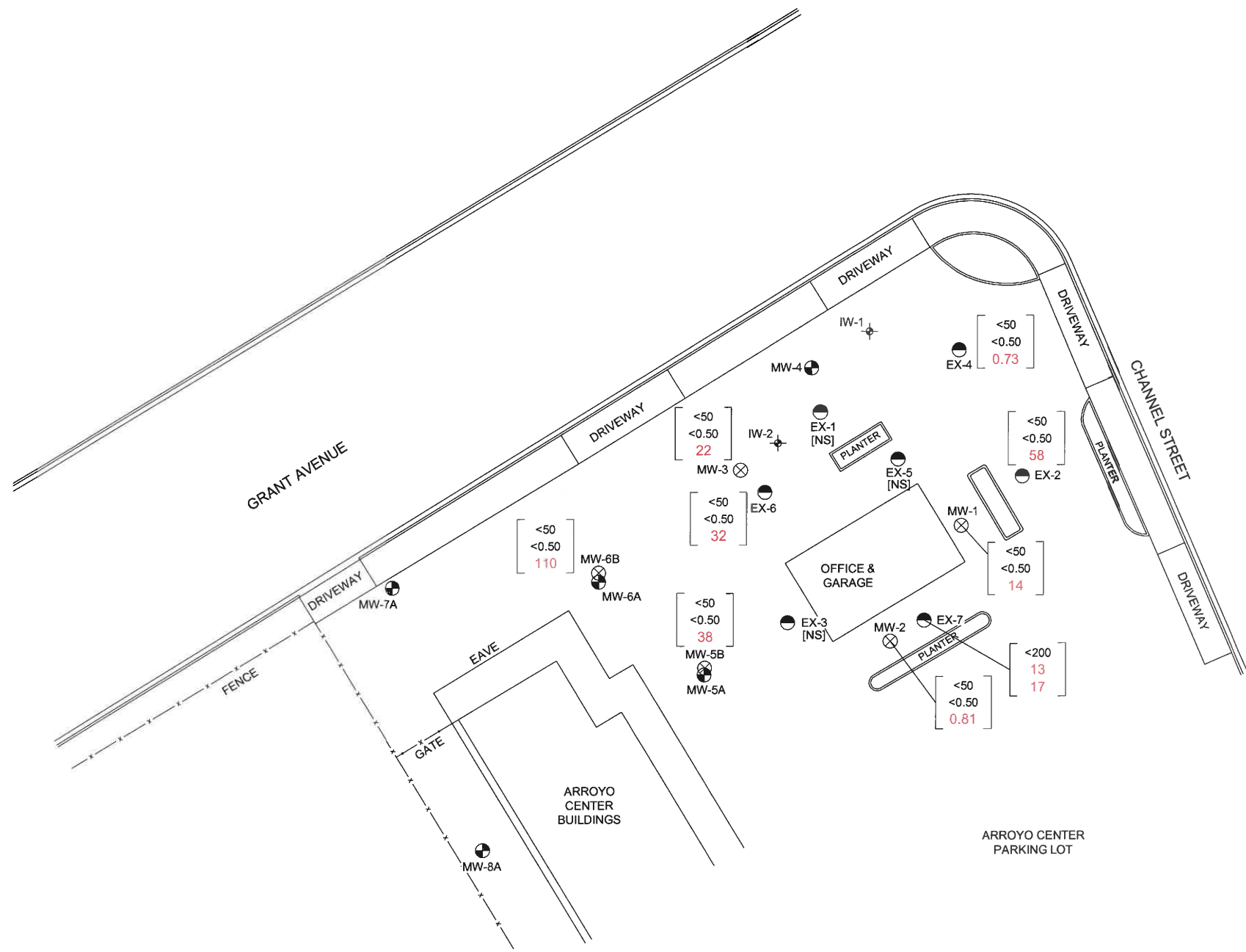
- 68 GASOLINE RANGE ORGANICS (GRO) CONCENTRATION IN µg/L
- <0.50 BENZENE CONCENTRATION IN µg/L
- 120 METHYL TERTIARY BUTYL ETHER (MTBE) IN µg/L

WELLS SAMPLED ON 01/19/17

[NS] = NOT SAMPLED

GRO ANALYZED BY EPA METHOD SW8015B/SW8260B

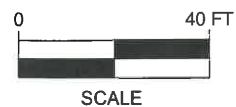
MTBE & BENZENE ANALYZED BY EPA METHOD SW8260B



BASED ON SURVEY PREPARED BY MORROW SURVEYING ON 6/15/11 & UPDATED IN JUNE 2014 & DECEMBER 2015.

STRATUS
ENVIRONMENTAL, INC.

PATH NAME: OlympicQuarterly
DRAFTER INITIALS: DMG
DATE LAST REVISED: February 07, 2017
FILENAME: Olympic Quarterly Figures



FORMER OLYMPIC SERVICE STATION
1436 GRANT AVENUE
SAN LORENZO, CALIFORNIA
GROUNDWATER ANALYTICAL SUMMARY
20' - 26' DEPTH MONITORING WELLS
1st QUARTER 2017

FIGURE
7
PROJECT NO.
2115-1436-01

APPENDIX A
FIELD DATA SHEETS

ORIGINAL



Site Address 1436 Grant Ave
 City San Lorenzo, CA
 Sampled by: Dominick
 Signature Dominick

Site Number Olympic Service Station
 Project Number _____
 Project PM Scott
 DATE 1.19.17

Water Level Data					Purge Volume Calculations					Purge Method				Sample Record			Field Data
Well ID	Time	Depth to Product (feet)	Depth to Water (feet)	Total Depth (feet)	Water column (feet)	Diameter (inches)	Multiplier	3 casing volumes (gallons)	Actual water purged (gallons)	No Purge	Bailer	Pump	other	DTW at sample time (feet)	Sample I.D	Sample Time	DO (mg/L)
MW-1	0920 0920	5.83	24.13	18.90	2"	0.5	9	9									
MW-2	0808	4.85	18.18	13.25	2"	0.5	7	7		X				5.38		0940	2.05
MW-3	1128	4.83	18.88	14.05	2"	0.5	7	7		X				5.02		0830	2.11
MW-4	1103	4.21	9.34	5.13	4"	2.0	10	10		X				4.89		1150	2.09
MW-5A	1357	4.80	9.53	4.73	2"	0.5	2	2		X				6.77		1125	1.65
MW-5B	1410	5.75	19.40	13.65	2"	0.5	7	7		X				5.82		1409	1.47
MW-6A	1259	5.00	9.95	4.89	2"	0.5	2	2		X				5.01		1813	1.52
MW-6B	1241	4.56	19.60	15.04	2"	0.5	7	7		X				4.61		1256	3.61
MW-7A	1318	5.08	11.77	6.69	2"	0.5	3	3		X				5.91		1331	2.08
MW-8A	1335	8.40	11.77	3.37	2"	0.5	2	2		X				9.98		1341	1.82
EX-1		Car parked over well - Repair shop is on vacation															
EX-2	0950	5.15	19.28	14.13	4"	2.0	28	28		X	X			5.19		0919	1.80
EX-3		Well under water - Huge puddle															
EX-4	1025	5.15	18.45	13.30	4"	2.0	26	26		X	X			11.99		1057	3.04
EX-5		Same as EX-1															
EX-6	1153	5.13	19.00	13.87	4"	2.0	27	27		X	X			6.01		1225	3.42
EX-7	0944	4.85	19.22	14.37	4"	2.0	28	28		X	X			9.12		1021	1.47

Multiplier
 2" = 0.5 3" = 1.0 4" = 2.0 6" = 4.4

Please refer to groundwater sampling field procedures
 pH/Conductivity/temperature Meter - Oakton Model PC-10
 DO Meter - Oakton 300 Series (DO is always measured before purge)

CALIBRATION DATE _____
 pH _____
 Conductivity _____



Site Address 1436 Grant Ave
 City San Lorenzo CA
 Sampled By Dominick
 Signature Dominick

Site Number Olympic Service Station
 Project Number _____
 Project PM Scott
 DATE 7.19.17
 Weather Conditions _____

Well ID <u>MW-2</u> Comments:						Well ID <u>EX-2</u> Comments:										
Purge start time		Sheen	Y	N	Odor	Y	N	Purge start time		Sheen	Y	N	Odor	Y	N	
	Temp C	pH	cond						Temp C	pH	cond				gallons	
time	<u>0813</u>	<u>16.9</u>	<u>7.26</u>	<u>502.3</u>					time	<u>0854</u>	<u>19.3</u>	<u>7.46</u>	<u>1073</u>			<u>0</u>
time	<u>0818</u>	<u>17.4</u>	<u>7.19</u>	<u>527.6</u>					time	<u>0902</u>	<u>19.2</u>	<u>7.52</u>	<u>1109</u>			<u>14</u>
time	<u>0821</u>	<u>18.7</u>	<u>7.34</u>	<u>700.9</u>					time	<u>0910</u>	<u>19.0</u>	<u>7.53</u>	<u>1107</u>			<u>28</u>
time									time							
purge stop time		<u>0827</u>	DO	<u>2.11</u>	ORP	<u>-16.4</u>		purge stop time		<u>0915</u>	DO	<u>1.80</u>	ORP	<u>-26.8</u>		
Well ID <u>MW-1</u> Comments:						Well ID EX-2 Comments:										
Purge start time		Sheen	Y	N	Odor	Y	N	Purge start time		Sheen	Y	N	Odor	Y	N	
	Temp C	pH	cond						Temp C	pH	cond				gallons	
time	<u>0922</u>	<u>18.1</u>	<u>7.54</u>	<u>1084</u>					time	<u>0950</u>	<u>17.7</u>	<u>7.04</u>	<u>923.0</u>			<u>0</u>
time	<u>0927</u>	<u>18.2</u>	<u>7.57</u>	<u>1067</u>					time	<u>1002</u>	<u>17.4</u>	<u>7.00</u>	<u>911.6</u>			<u>14</u>
time	<u>0932</u>	<u>18.7</u>	<u>7.56</u>	<u>1054</u>					time	<u>1013</u>	<u>17.5</u>	<u>7.07</u>	<u>936.6</u>			<u>28</u>
time									time							
purge stop time		<u>0936</u>	DO	<u>2.05</u>	ORP	<u>-31.0</u>		purge stop time		<u>1020</u>	DO	<u>1.47</u>	ORP	<u>-2.8</u>		
Well ID EX-4 Comments:						Well ID <u>MW-4</u> Comments:										
Purge start time		Sheen	Y	N	Odor	Y	N	Purge start time		Sheen	Y	N	Odor	Y	N	
	Temp C	pH	cond						Temp C	pH	cond				gallons	
time	<u>1030</u>	<u>19.2</u>	<u>7.66</u>	<u>999.8</u>					time	<u>1109</u>	<u>17.4</u>	<u>7.23</u>	<u>788.8</u>			<u>0</u>
time	<u>1039</u>	<u>19.2</u>	<u>7.67</u>	<u>1026</u>					time	<u>1112</u>	<u>17.1</u>	<u>7.17</u>	<u>739.6</u>			<u>5</u>
time	<u>1049</u>	<u>19.7</u>	<u>7.68</u>	<u>1018</u>					time	<u>1117</u>	<u>17.0</u>	<u>7.21</u>	<u>738.3</u>	<u>DRY</u>		<u>10</u>
time									time							
purge stop time		<u>1055</u>	DO	<u>3.04</u>	ORP	<u>-37.5</u>		purge stop time		<u>1123</u>	DO	<u>1.65</u>	ORP	<u>-11.2</u>		
Well ID <u>MW-3</u> Comments:						Well ID <u>EX-6</u> Comments:										
Purge start time		Sheen	Y	N	Odor	Y	N	Purge start time		Sheen	Y	N	Odor	Y	N	
	Temp C	pH	cond						Temp C	pH	cond				gallons	
time	<u>1135</u>	<u>19.2</u>	<u>7.36</u>	<u>781.3</u>					time	<u>1158</u>	<u>19.8</u>	<u>7.50</u>	<u>1169</u>			<u>0</u>
time	<u>1138</u>	<u>20.6</u>	<u>7.40</u>	<u>932.0</u>					time	<u>1209</u>	<u>19.3</u>	<u>7.53</u>	<u>1181</u>			<u>13</u>
time	<u>1142</u>	<u>20.1</u>	<u>7.51</u>	<u>930.8</u>					time	<u>1218</u>	<u>18.9</u>	<u>7.52</u>	<u>1190</u>			<u>27</u>
time									time							
purge stop time		<u>1148</u>	DO	<u>2.09</u>	ORP	<u>-21.0</u>		purge stop time		<u>1223</u>	DO	<u>3.42</u>	ORP	<u>-28.6</u>		



Site Address 436 Grant Ave
 City San Lorenzo, CA
 Sampled By Dominick
 Signature Dominick

Site Number Olympic Service Station
 Project Number _____
 Project PM Scott
 DATE 1.19.17

Weather Conditions _____

Well ID <u>MW-6B</u> Comments:						Well ID <u>MW-6A</u> Comments:									
Purge start time		Sheen	Y	N	Odor	Y	N	Purge start time		Sheen	Y	N	Odor	Y	N
	Temp C	pH		cond			gallons		Temp C	pH		cond			gallons
time	<u>1244</u>	<u>19.3</u>	<u>7.56</u>	<u>1032</u>			<u>0</u>	time	<u>1303</u>	<u>18.6</u>	<u>7.54</u>	<u>3.46</u>			<u>0</u>
time	<u>1248</u>	<u>20.3</u>	<u>7.52</u>	<u>1072</u>			<u>3</u>	time	<u>1306</u>	<u>18.2</u>	<u>7.60</u>	<u>3.49</u>			<u>2</u>
time	<u>1251</u>	<u>21.1</u>	<u>7.56</u>	<u>1103</u>			<u>7</u>	time							
time		<u>20.3</u>						time							
purge stop time		<u>1255</u>	DO	<u>3.61</u>	ORP	<u>-30.7</u>		purge stop time		<u>1311</u>	DO	<u>1.52</u>	ORP	<u>-31.0</u>	
Well ID <u>MW-7A</u> Comments:						Well ID <u>MW-8A</u> Comments:									
Purge start time		Sheen	Y	N	Odor	Y	N	Purge start time		Sheen	Y	N	Odor	Y	N
	Temp C	pH		cond			gallons		Temp C	pH		cond			gallons
time	<u>1321</u>	<u>17.9</u>	<u>7.62</u>	<u>1037</u>			<u>0</u>	time	<u>1337</u>	<u>19.2</u>	<u>7.30</u>	<u>434</u>			<u>0</u>
time	<u>1324</u>	<u>18.3</u>	<u>7.62</u>	<u>912.8</u>			<u>3</u>	time	<u>1340</u>	<u>19.6</u>	<u>7.33</u>	<u>463</u>			<u>2</u>
time								time							
time								time							
purge stop time		<u>1329</u>	DO	<u>2.08</u>	ORP	<u>-33.7</u>		purge stop time		<u>1340</u>	DO	<u>1.82</u>	ORP	<u>-16.8</u>	
Well ID <u>MW-5A</u> Comments:						Well ID <u>MW-5B</u> Comments:									
Purge start time		Sheen	Y	N	Odor	Y	N	Purge start time		Sheen	Y	N	Odor	Y	N
	Temp C	pH		cond			gallons		Temp C	pH		cond			gallons
time	<u>1400</u>	<u>18.0</u>	<u>7.39</u>	<u>11672</u>			<u>0</u>	time	<u>1413</u>	<u>20.1</u>	<u>7.55</u>	<u>1065</u>			<u>0</u>
time	<u>1403</u>	<u>17.8</u>	<u>7.44</u>	<u>11076</u>			<u>2</u>	time	<u>1417</u>	<u>19.7</u>	<u>7.61</u>	<u>1079</u>			<u>3</u>
time								time	<u>1422</u>	<u>19.8</u>	<u>7.76</u>	<u>1109</u>			<u>7</u>
time								time							
purge stop time		<u>1408</u>	DO	<u>1.47</u>	ORP	<u>-22.3</u>		purge stop time		<u>1430</u>	DO	<u>2.47</u>	ORP	<u>-30.6</u>	
Well ID						Well ID									
Purge start time		Sheen	Y	N	Odor	Y	N	Purge start time		Sheen	Y	N	Odor	Y	N
	Temp C	pH		cond			gallons		Temp C	pH		cond			gallons
time								time							
time								time							
time								time							
time								time							
purge stop time		DO			ORP			purge stop time		DO			ORP		

CHAIN OF CUSTODY

1138

Billing Information:
 Company: Stratus
 Attn: Environmental
 Address: _____
 City, State, Zip: _____
 Phone Number: _____ Fax: _____



Alpha Analytical, Inc.
 Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431
Satellite Service Centers:
 Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827
 Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746
 Northern NV: Elko, NV 89801
 Southern NV: Las Vegas, NV 89120

Phone: 775-355-1044
 Fax: 775-355-0406
 Phone: 916-366-9089
 Phone: 714-386-2901
 Phone: 775-388-7043
 Phone: 702-281-4848

Page # 1 of 2

Consultant/ Client Info: Former Olympic Station **Job and Purchase Order Info:** _____ **Report Attention/Project Manager:** _____ **QC Deliverable Info:** _____

Company: 1436 Grant Ave Job #: _____ Name: _____
 Address: San Lorenzo Job Name: _____ Email Address: SCAPT
 City, State, Zip: _____ P.O. #: _____ Phone #: _____
 Cell #: _____

Samples Collected from which State? (circle one) AR CA KS NV OR WA DOD Site Other
 EDD Required? Yes / No _____ EDF Required? Yes / No _____
 Global ID: _____
 Data Validation Packages: III or IV _____

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Analysis Requested			Remarks	
							Field Filtered?	GRO	DTX		MTBE
0938	1/17	AQ		MW-1	std	2	X	X	X	X	
0627				MW-2							
1148				MW-3							
1123				MW-4							
1408				MW-5A							
1400				MW-5B							
1311				MW-6A							
1255				MW-6B							
1329				MW-7A							
1340				MW-8A							

ADDITIONAL INSTRUCTIONS: _____

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: <u>Dominick G. [Signature]</u>	Date: <u>1/20/17</u>	Time: <u>0915</u>	Received by: (Signature/Affiliation): _____	Date: _____	Time: _____
Relinquished by: (Signature/Affiliation): _____	Date: _____	Time: _____	Received by: (Signature/Affiliation): _____	Date: _____	Time: _____
Relinquished by: (Signature/Affiliation): _____	Date: _____	Time: _____	Received by: (Signature/Affiliation): _____	Date: _____	Time: _____

* Key: AQ - Aqueous AR - Air OT - Other So - Soil WA - Waste ** B - Brass L - Liter O - Orbo OT - Other P - Plastic S - Soil Jar T - Tedlar V - VOA
 NOTE: Samples are discarded 60 days after sample receipt 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.

CHAIN OF CUSTODY

NE 1136

Billing Information:
 Company: Stratus
 Attn: Environmental
 Address: _____
 City, State, Zip: _____
 Phone Number: _____ Fax: _____



Alpha Analytical, Inc.
 Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431
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 Southern NV: Las Vegas, NV 89120

Phone: 775-355-1044
 Fax: 775-355-0406
 Phone: 916-366-9089
 Phone: 714-386-2901
 Phone: 775-388-7043
 Phone: 702-281-4848

Page # 2 of 2

Consultant/ Client Info: **Job and Purchase Order Info:** **Report Attention/Project Manager:** **QC Deliverable Info:**

Company: Former Olympic Station Job #: _____
 Address: 1236 Grant Ave Job Name: _____
 City, State, Zip: San Lorenzo, CA P.O. #: _____
 Name: _____
 Email Address: Scott
 Phone #: _____
 Cell #: _____
 EDD Required? Yes / No _____ EDF Required? Yes / No _____
 Global ID: _____
 Data Validation Packages: III or IV _____

Samples Collected from which State? (circle one) AR CA KS NV OR WA DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Analysis Requested				Remarks
							Field Filtered?	GRO	BTEX	MTBE	
							Yes	No			
0915	1/19/17	AD		EX-2	SA	3	X	X	X	X	
1055				EX-4							
1223				EX-6							
1020				EX-7							

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Relinquished by: (Signature/Affiliation): <u>Dominick Gillespie</u>	Date: <u>1/20/17</u>	Time: <u>0915</u>	Received by: (Signature/Affiliation):	Date:	Time:
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:

* Key: AQ - Aqueous AR - Air OT - Other So - Soil WA - Waste ** B - Brass L - Liter O - Orbo OT - Other P - Plastic S - Soil Jar T - Tedlar V - VOA

NOTE: Samples are discarded 60 days after sample receipt 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.

APPENDIX B

SAMPLING AND ANALYSES PROCEDURES

SAMPLING AND ANALYSIS PROCEDURES

The sampling and analysis procedures as well as the quality assurance plan are contained in this appendix. The procedures and adherence to the quality assurance plan will provide for consistent and reproducible sampling methods; proper application of analytical methods; accurate and precise analytical results; and finally, these procedures will provide guidelines so that the overall objectives of the monitoring program are achieved.

Ground Water and Liquid-Phase Petroleum Hydrocarbon Depth Assessment

A water/hydrocarbon interface probe is used to assess the liquid-phase petroleum hydrocarbon (LPH) thickness, if present, and a water level indicator is used to measure the ground water depth in monitoring wells that do not contain LPH. Depth to ground water or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typically a notch cut in the north side of the casing edge. If a water level indicator is used, the tip is subjectively analyzed for hydrocarbon sheen.

Subjective Analysis of Ground Water

Prior to purging, a water sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

Monitoring Well Purging and Sampling

Monitoring wells are purged using a pump or bailer until pH, temperature, and conductivity of the purge water has stabilized and a minimum of three well volumes of water have been removed. If three well volumes can not be removed in one half hour's time the well is allowed to recharge to 80% of original level. After recharging, a ground water sample is then removed from each of the wells using a disposable bailer.

A Teflon bailer, electric submersible or bladder pump will be the only equipment used for well sampling. When samples for volatile organic analysis are being collected, the pump flow will be regulated at approximately 100 milliliters per minute to minimize pump effluent turbulence and aeration. Glass bottles of at least 40-milliliters volume and fitted with Teflon-lined septa will be used in sampling for volatile organics. These bottles will be filled completely to prevent air from remaining in the bottle. A positive meniscus forms when the bottle is completely full. A convex Teflon septum will be placed over the positive meniscus to eliminate air. After the bottle is capped, it is inverted and tapped to verify that it contains no air bubbles. The sample containers for other parameters will be filled, filtered as required, and capped.

The water sample is collected, labeled, and handled according to the Quality Assurance Plan. Water generated during the monitoring event is disposed of according to regulatory accepted method pertaining to the site.

QUALITY ASSURANCE PLAN

Procedures to provide data quality should be established and documented so that conditions adverse to quality, such as deficiencies, deviations, nonconformants, defective material, services, and/or equipment, can be promptly identified and corrected.

General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample is collected in a suitable container, preserved correctly for the intended analysis, and stored prior to analysis for no longer than the maximum allowable holding time. Details on the procedures for collection and handling of samples used on this project can be found in this section.

Soil and Water Sample Labeling and Preservation

Label information includes a unique sample identification number, job identification number, date, and time. After labeling all soil and water samples are placed in a Ziploc[®] type bag and placed in an ice chest cooled to approximately 4° Celsius. Upon arriving at Stratus' office the samples are transferred to a locked refrigerator cooled to approximately 4° Celsius. Chemical preservation is controlled by the required analysis and is noted on the chain-of-custody form. Trip blanks supplied by the laboratory accompany the groundwater sample containers and groundwater samples.

Upon recovery, the sample container is sealed to minimize the potential of volatilization and cross-contamination prior to chemical analysis. Soil sampling tubes are typically closed at each end with Teflon[®] sheeting and plastic caps. The sample is then placed in a Ziploc[®] type bag and sealed. The sample is labeled and refrigerated at approximately 4° Celsius for delivery, under strict chain-of-custody, to the analytical laboratory.

Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis has a label affixed to identify the job number, sampler, date and time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, is recorded on the borehole log or in the field records. The samples are analyzed by a California-certified laboratory.

A chain-of-custody form is used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the person in custody of them relinquishes the samples by signing the chain-of-custody form and

noting the time. The sample-control officer at the laboratory verifies sample integrity and confirms that the samples are collected in the proper containers, preserved correctly, and contain adequate volumes for analysis. These conditions are noted on a Laboratory Sample Receipt Checklist that becomes part of the laboratory report upon request.

If these conditions are met, each sample is assigned a unique log number for identification throughout analysis and reporting. The log number is recorded on the chain-of-custody form and in the legally-required log book maintained by the laboratory. The sample description, date received, client's name, and other relevant information is also recorded.

Equipment Cleaning

Sample bottles, caps, and septa used in sampling for volatile and semivolatile organics will be triple rinsed with high-purity deionized water. After being rinsed, sample bottles will be dried overnight at a temperature of 200°C. Sample caps and septa will be dried overnight at a temperature of 60°C. Sample bottles, caps, and septa will be protected from solvent contact between drying and actual use at the sampling site. Sampling containers will be used only once and discarded after analysis is complete.

Plastic bottles and caps used in sampling for metals will be soaked overnight in a 1-percent nitric acid solution. Next, the bottles and caps will be triple rinsed with deionized water. Finally, the bottles and caps will be air dried before being used at the site. Plastic bottles and caps will be constructed of linear polyethylene or polypropylene. Sampling containers will be used only once and discarded after analysis is complete. Glass and plastic bottles used by Stratus to collect groundwater samples are supplied by the laboratory.

Before the sampling event is started, equipment that will be placed in the well or will come in contact with groundwater will be disassembled and cleaned thoroughly with detergent water, and then steam cleaned with deionized water. Any parts that may absorb contaminants, such as plastic pump valves, etc. will be cleaned as described above or replaced.

During field sampling, equipment surfaces that are placed in the well or contact groundwater will be steam cleaned with deionized water before the next well is purged or sampled. Equipment blanks will be collected and analyzed from non-disposable sampling equipment that is used for collecting groundwater samples at the rate of one blank per twenty samples collected.

Internal Quality Assurance Checks

Internal quality assurance procedures are designed to provide reliability of monitoring and measurement of data. Both field and laboratory quality assurance checks are necessary to evaluate the reliability of sampling and analysis results. Internal quality assurance procedures generally include:

- Laboratory Quality Assurance

- Documentation of instrument performance checks
- Documentation of instrument calibration
- Documentation of the traceability of instrument standards, samples, and data
- Documentation of analytical and QC methodology (QC methodology includes use of spiked samples, duplicate samples, split samples, use of reference blanks, and check standards to check method accuracy and precision)

- Field Quality Assurance

- Documentation of sample preservation and transportation
- Documentation of field instrument calibration and irregularities in performance

Internal laboratory quality assurance checks will be the responsibility of the contract laboratories. Data and reports submitted by field personnel and the contract laboratory will be reviewed and maintained in the project files.

Types of Quality Control Checks

Samples are analyzed using analytical methods outlined in EPA Manual SW 846 and approved by the California Regional Water Quality Control Board-Central Valley Region in the Leaking Underground Fuel Tanks (LUFT) manual and appendices. Standard contract laboratory quality control may include analysis or use of the following:

- Method blanks – reagent water used to prepare calibration standards, spike solutions, etc. is analyzed in the same manner as the sample to demonstrate that analytical interferences are under control.
- Matrix spiked samples – a known amount of spike solution containing selected constituents is added to the sample at concentrations at which the accuracy of the analytical method is to satisfactorily monitor and evaluate laboratory data quality.
- Split samples – a sample is split into two separate aliquots before analysis to assess the reproducibility of the analysis.
- Surrogate samples – samples are spiked with surrogate constituents at known concentrations to monitor both the performance of the analytical system and the effectiveness of the method in dealing with the sample matrix.
- Control charts – graphical presentation of spike or split sample results used to track the accuracy or precision of the analysis.
- Quality control check samples – when spiked sample analysis indicates atypical instrument performance, a quality check sample, which is prepared independently of the calibration standards and contains the constituents of interest, is analyzed to confirm that measurements were performed accurately.

- Calibration standards and devices – traceable standards or devices to set instrument response so that sample analysis results represent the absolute concentration of the constituent.

Field QA samples will be collected to assess sample handling procedures and conditions. Standard field quality control may include the use of the following, and will be collected and analyzed as outlined in EPA Manual SW 846.

- Field blanks – reagent water samples are prepared at the sampling location by the same procedure used to collect field groundwater samples and analyzed with the groundwater samples to assess the impact of sampling techniques on data quality. Typically, one field blank per twenty groundwater samples collected will be analyzed per sampling event.
- Field replicates – duplicate or triplicate samples are collected and analyzed to assess the reproducibility of the analytical data. One replicate groundwater sample per twenty samples collected will be analyzed per sampling event, unless otherwise specified. Triplicate samples will be collected only when specific conditions warrant and generally are sent to an alternate laboratory to confirm the accuracy of the routinely used laboratory.
- Trip blanks – reagent water samples are prepared before field work, transported and stored with the samples and analyzed to assess the impact of sample transport and storage for data quality. In the event that any analyte is detected in the field blank, a trip blank will be included in the subsequent groundwater sampling event.

Data reliability will be evaluated by the certified laboratory and reported on a cover sheet attached to the laboratory data report. Analytical data resulting from the testing of field or trip blanks will be included in the laboratory's report. Results from matrix spike, surrogate, and method blank testing will be reported, along with a statement of whether the samples were analyzed within the appropriate holding time.

Stratus will evaluate the laboratory's report on data reliability and note significant QC results that may make the data biased or unacceptable. Data viability will be performed as outlined in EPA Manual SW 846. If biased or unacceptable data is noted, corrective actions (including re-sample/re-analyze, etc.) will be evaluated on a site-specific basis.

APPENDIX C

**LABORATORY ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**



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 : 01/21/17

Job: Former Olympic Station

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 : MW-1					
Lab ID : STR17012322-01A	TPH-P (GRO)	ND	50 µg/L	01/24/17 12:26	01/24/17 12:26
Date Sampled 01/19/17 09:38	Methyl tert-butyl ether (MTBE)	14	0.50 µg/L	01/24/17 12:26	01/24/17 12:26
	Benzene	ND	0.50 µg/L	01/24/17 12:26	01/24/17 12:26
	Toluene	ND	0.50 µg/L	01/24/17 12:26	01/24/17 12:26
	Ethylbenzene	ND	0.50 µg/L	01/24/17 12:26	01/24/17 12:26
	m,p-Xylene	ND	0.50 µg/L	01/24/17 12:26	01/24/17 12:26
	o-Xylene	ND	0.50 µg/L	01/24/17 12:26	01/24/17 12:26
Client ID : MW-2					
Lab ID : STR17012322-02A	TPH-P (GRO)	ND	50 µg/L	01/24/17 12:52	01/24/17 12:52
Date Sampled 01/19/17 08:27	Methyl tert-butyl ether (MTBE)	0.81	0.50 µg/L	01/24/17 12:52	01/24/17 12:52
	Benzene	ND	0.50 µg/L	01/24/17 12:52	01/24/17 12:52
	Toluene	ND	0.50 µg/L	01/24/17 12:52	01/24/17 12:52
	Ethylbenzene	ND	0.50 µg/L	01/24/17 12:52	01/24/17 12:52
	m,p-Xylene	ND	0.50 µg/L	01/24/17 12:52	01/24/17 12:52
	o-Xylene	ND	0.50 µg/L	01/24/17 12:52	01/24/17 12:52
Client ID : MW-3					
Lab ID : STR17012322-03A	TPH-P (GRO)	ND	50 µg/L	01/24/17 13:18	01/24/17 13:18
Date Sampled 01/19/17 11:48	Methyl tert-butyl ether (MTBE)	22	0.50 µg/L	01/24/17 13:18	01/24/17 13:18
	Benzene	ND	0.50 µg/L	01/24/17 13:18	01/24/17 13:18
	Toluene	ND	0.50 µg/L	01/24/17 13:18	01/24/17 13:18
	Ethylbenzene	ND	0.50 µg/L	01/24/17 13:18	01/24/17 13:18
	m,p-Xylene	ND	0.50 µg/L	01/24/17 13:18	01/24/17 13:18
	o-Xylene	ND	0.50 µg/L	01/24/17 13:18	01/24/17 13:18
Client ID : MW-4					
Lab ID : STR17012322-04A	TPH-P (GRO)	ND	50 µg/L	01/24/17 13:44	01/24/17 13:44
Date Sampled 01/19/17 11:23	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/24/17 13:44	01/24/17 13:44
	Benzene	ND	0.50 µg/L	01/24/17 13:44	01/24/17 13:44
	Toluene	ND	0.50 µg/L	01/24/17 13:44	01/24/17 13:44
	Ethylbenzene	ND	0.50 µg/L	01/24/17 13:44	01/24/17 13:44
	m,p-Xylene	ND	0.50 µg/L	01/24/17 13:44	01/24/17 13:44
	o-Xylene	ND	0.50 µg/L	01/24/17 13:44	01/24/17 13:44
Client ID : MW-5A					
Lab ID : STR17012322-05A	TPH-P (GRO)	ND	100 µg/L	01/24/17 17:13	01/24/17 17:13
Date Sampled 01/19/17 14:08	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/24/17 17:13	01/24/17 17:13
	Benzene	2.2	0.50 µg/L	01/24/17 17:13	01/24/17 17:13
	Toluene	ND	0.50 µg/L	01/24/17 17:13	01/24/17 17:13
	Ethylbenzene	ND	0.50 µg/L	01/24/17 17:13	01/24/17 17:13
	m,p-Xylene	ND	0.50 µg/L	01/24/17 17:13	01/24/17 17:13
	o-Xylene	ND	0.50 µg/L	01/24/17 17:13	01/24/17 17:13



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Client ID :	MW-5B						
Lab ID :	STR17012322-06A	TPH-P (GRO)	ND	50 µg/L	01/24/17 14:10	01/24/17 14:10	
Date Sampled	01/19/17 14:30	Methyl tert-butyl ether (MTBE)	38	0.50 µg/L	01/24/17 14:10	01/24/17 14:10	
		Benzene	ND	0.50 µg/L	01/24/17 14:10	01/24/17 14:10	
		Toluene	ND	0.50 µg/L	01/24/17 14:10	01/24/17 14:10	
		Ethylbenzene	ND	0.50 µg/L	01/24/17 14:10	01/24/17 14:10	
		m,p-Xylene	ND	0.50 µg/L	01/24/17 14:10	01/24/17 14:10	
		o-Xylene	ND	0.50 µg/L	01/24/17 14:10	01/24/17 14:10	
Client ID :	MW-6A						
Lab ID :	STR17012322-07A	TPH-P (GRO)	140	100 µg/L	01/24/17 17:39	01/24/17 17:39	
Date Sampled	01/19/17 13:11	Methyl tert-butyl ether (MTBE)	9.3	0.50 µg/L	01/24/17 17:39	01/24/17 17:39	
		Benzene	53	0.50 µg/L	01/24/17 17:39	01/24/17 17:39	
		Toluene	ND	0.50 µg/L	01/24/17 17:39	01/24/17 17:39	
		Ethylbenzene	ND	0.50 µg/L	01/24/17 17:39	01/24/17 17:39	
		m,p-Xylene	ND	0.50 µg/L	01/24/17 17:39	01/24/17 17:39	
		o-Xylene	ND	0.50 µg/L	01/24/17 17:39	01/24/17 17:39	
Client ID :	MW-6B						
Lab ID :	STR17012322-08A	TPH-P (GRO)	ND	50 µg/L	01/24/17 14:36	01/24/17 14:36	
Date Sampled	01/19/17 12:55	Methyl tert-butyl ether (MTBE)	110	0.50 µg/L	01/24/17 14:36	01/24/17 14:36	
		Benzene	ND	0.50 µg/L	01/24/17 14:36	01/24/17 14:36	
		Toluene	ND	0.50 µg/L	01/24/17 14:36	01/24/17 14:36	
		Ethylbenzene	ND	0.50 µg/L	01/24/17 14:36	01/24/17 14:36	
		m,p-Xylene	ND	0.50 µg/L	01/24/17 14:36	01/24/17 14:36	
		o-Xylene	ND	0.50 µg/L	01/24/17 14:36	01/24/17 14:36	
Client ID :	MW-7A						
Lab ID :	STR17012322-09A	TPH-P (GRO)	170	50 µg/L	01/24/17 15:02	01/24/17 15:02	
Date Sampled	01/19/17 13:29	Methyl tert-butyl ether (MTBE)	1.3	0.50 µg/L	01/24/17 15:02	01/24/17 15:02	
		Benzene	ND	0.50 µg/L	01/24/17 15:02	01/24/17 15:02	
		Toluene	ND	0.50 µg/L	01/24/17 15:02	01/24/17 15:02	
		Ethylbenzene	2.0	0.50 µg/L	01/24/17 15:02	01/24/17 15:02	
		m,p-Xylene	ND	0.50 µg/L	01/24/17 15:02	01/24/17 15:02	
		o-Xylene	ND	0.50 µg/L	01/24/17 15:02	01/24/17 15:02	
Client ID :	MW-8A						
Lab ID :	STR17012322-10A	TPH-P (GRO)	ND	50 µg/L	01/24/17 15:28	01/24/17 15:28	
Date Sampled	01/19/17 13:40	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/24/17 15:28	01/24/17 15:28	
		Benzene	ND	0.50 µg/L	01/24/17 15:28	01/24/17 15:28	
		Toluene	ND	0.50 µg/L	01/24/17 15:28	01/24/17 15:28	
		Ethylbenzene	ND	0.50 µg/L	01/24/17 15:28	01/24/17 15:28	
		m,p-Xylene	ND	0.50 µg/L	01/24/17 15:28	01/24/17 15:28	
		o-Xylene	ND	0.50 µg/L	01/24/17 15:28	01/24/17 15:28	
Client ID :	EX-2						
Lab ID :	STR17012322-11A	TPH-P (GRO)	ND	50 µg/L	01/24/17 15:55	01/24/17 15:55	
Date Sampled	01/19/17 09:15	Methyl tert-butyl ether (MTBE)	58	0.50 µg/L	01/24/17 15:55	01/24/17 15:55	
		Benzene	ND	0.50 µg/L	01/24/17 15:55	01/24/17 15:55	
		Toluene	ND	0.50 µg/L	01/24/17 15:55	01/24/17 15:55	
		Ethylbenzene	ND	0.50 µg/L	01/24/17 15:55	01/24/17 15:55	
		m,p-Xylene	ND	0.50 µg/L	01/24/17 15:55	01/24/17 15:55	
		o-Xylene	ND	0.50 µg/L	01/24/17 15:55	01/24/17 15:55	
Client ID :	EX-4						
Lab ID :	STR17012322-12A	TPH-P (GRO)	ND	50 µg/L	01/24/17 16:21	01/24/17 16:21	
Date Sampled	01/19/17 10:55	Methyl tert-butyl ether (MTBE)	0.73	0.50 µg/L	01/24/17 16:21	01/24/17 16:21	
		Benzene	ND	0.50 µg/L	01/24/17 16:21	01/24/17 16:21	
		Toluene	ND	0.50 µg/L	01/24/17 16:21	01/24/17 16:21	
		Ethylbenzene	ND	0.50 µg/L	01/24/17 16:21	01/24/17 16:21	
		m,p-Xylene	ND	0.50 µg/L	01/24/17 16:21	01/24/17 16:21	
		o-Xylene	ND	0.50 µg/L	01/24/17 16:21	01/24/17 16:21	



Alpha Analytical, Inc.

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

Client ID :	EX-6						
Lab ID :	STR17012322-13A	TPH-P (GRO)	ND		50 µg/L	01/24/17 16:47	01/24/17 16:47
Date Sampled	01/19/17 12:23	Methyl tert-butyl ether (MTBE)	32		0.50 µg/L	01/24/17 16:47	01/24/17 16:47
		Benzene	ND		0.50 µg/L	01/24/17 16:47	01/24/17 16:47
		Toluene	ND		0.50 µg/L	01/24/17 16:47	01/24/17 16:47
		Ethylbenzene	ND		0.50 µg/L	01/24/17 16:47	01/24/17 16:47
		m,p-Xylene	ND		0.50 µg/L	01/24/17 16:47	01/24/17 16:47
		o-Xylene	ND		0.50 µg/L	01/24/17 16:47	01/24/17 16:47
Client ID :	EX-7						
Lab ID :	STR17012322-14A	TPH-P (GRO)	ND	O	200 µg/L	01/24/17 18:05	01/24/17 18:05
Date Sampled	01/19/17 10:20	Methyl tert-butyl ether (MTBE)	17		1.0 µg/L	01/24/17 18:05	01/24/17 18:05
		Benzene	13		1.0 µg/L	01/24/17 18:05	01/24/17 18:05
		Toluene	ND	O	1.0 µg/L	01/24/17 18:05	01/24/17 18:05
		Ethylbenzene	ND	O	1.0 µg/L	01/24/17 18:05	01/24/17 18:05
		m,p-Xylene	ND	O	1.0 µg/L	01/24/17 18:05	01/24/17 18:05
		o-Xylene	1.2		1.0 µg/L	01/24/17 18:05	01/24/17 18:05

Gasoline Range Organics (GRO) C4-C13

O = Reporting Limits were increased due to sample foaming.

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]

1/30/17

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:
30-Jan-17

QC Summary Report

Work Order:
17012322

Method Blank		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: 41		MBLK	Batch ID: MS08W0124B				Analysis Date: 01/24/2017 11:34			
Sample ID: MBLK MS08W0124B	Units: µg/L		Run ID: MANUAL_170124I				Prep Date: 01/24/2017 11:34			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	9.2		10		92	70	130			
Surr: Toluene-d8	11.6		10		116	70	130			
Surr: 4-Bromofluorobenzene	9.65		10		97	70	130			

Laboratory Control Spike		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: 40		LCS	Batch ID: MS08W0124B				Analysis Date: 01/24/2017 11:04			
Sample ID: GLCS MS08W0124B	Units: µg/L		Run ID: MANUAL_170124I				Prep Date: 01/24/2017 11:04			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	398	50	400		99.6	70	130			
Surr: 1,2-Dichloroethane-d4	9.11		10		91	70	130			
Surr: Toluene-d8	9.38		10		94	70	130			
Surr: 4-Bromofluorobenzene	11.7		10		117	70	130			

Sample Matrix Spike		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: 56		MS	Batch ID: MS08W0124B				Analysis Date: 01/24/2017 19:23			
Sample ID: 17012322-01AGS	Units: µg/L		Run ID: MANUAL_170124I				Prep Date: 01/24/2017 19:23			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1990	250	2000	0	99	46	167			
Surr: 1,2-Dichloroethane-d4	53.6		50		107	70	130			
Surr: Toluene-d8	47.9		50		96	70	130			
Surr: 4-Bromofluorobenzene	55.1		50		110	70	130			

Sample Matrix Spike Duplicate		Type	Test Code: EPA Method SW8015B/C / SW8260B							
File ID: 57		MSD	Batch ID: MS08W0124B				Analysis Date: 01/24/2017 19:49			
Sample ID: 17012322-01AGSD	Units: µg/L		Run ID: MANUAL_170124I				Prep Date: 01/24/2017 19:49			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2020	250	2000	0	101	54	143	1989	1.7(23)	
Surr: 1,2-Dichloroethane-d4	52.9		50		106	70	130			
Surr: Toluene-d8	47		50		94	70	130			
Surr: 4-Bromofluorobenzene	55.3		50		111	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

Reported in micrograms per Liter, per client request.



Alpha Analytical, Inc.

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

Date:
30-Jan-17

QC Summary Report

Work Order:
17012322

Method Blank

Type MBLK Test Code: EPA Method SW8260B

File ID: 2 Batch ID: MS08W0124A Analysis Date: 01/24/2017 11:34

Sample ID: MBLK MS08W0124A Units: µg/L Run ID: MANUAL_170124I Prep Date: 01/24/2017 11:34

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	9.2		10		92	70	130			
Surr: Toluene-d8	11.6		10		116	70	130			
Surr: 4-Bromofluorobenzene	9.65		10		97	70	130			

Laboratory Control Spike

Type LCS Test Code: EPA Method SW8260B

File ID: 1 Batch ID: MS08W0124A Analysis Date: 01/24/2017 09:41

Sample ID: LCS MS08W0124A Units: µg/L Run ID: MANUAL_170124I Prep Date: 01/24/2017 09:41

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	8.64	0.5	10		86	63	137			
Benzene	9.67	0.5	10		97	70	130			
Toluene	9.42	0.5	10		94	70	130			
Ethylbenzene	9.8	0.5	10		98	70	130			
m,p-Xylene	9.92	0.5	10		99	65	139			
o-Xylene	9.85	0.5	10		99	70	130			
Surr: 1,2-Dichloroethane-d4	9.57		10		96	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	11.4		10		114	70	130			

Sample Matrix Spike

Type MS Test Code: EPA Method SW8260B

File ID: 17 Batch ID: MS08W0124A Analysis Date: 01/24/2017 18:31

Sample ID: 17012322-01AMS Units: µg/L Run ID: MANUAL_170124I Prep Date: 01/24/2017 18:31

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	54.6	1.3	50	14.32	80	56	140			
Benzene	49.4	1.3	50	0	99	67	134			
Toluene	46	1.3	50	0	92	38	130			
Ethylbenzene	46.4	1.3	50	0	93	70	130			
m,p-Xylene	45.4	1.3	50	0	91	65	139			
o-Xylene	46.2	1.3	50	0	92	69	130			
Surr: 1,2-Dichloroethane-d4	51.7		50		103	70	130			
Surr: Toluene-d8	46		50		92	70	130			
Surr: 4-Bromofluorobenzene	47.2		50		94	70	130			

Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method SW8260B

File ID: 18 Batch ID: MS08W0124A Analysis Date: 01/24/2017 18:57

Sample ID: 17012322-01AMSD Units: µg/L Run ID: MANUAL_170124I Prep Date: 01/24/2017 18:57

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	69.7	1.3	50	14.32	111	56	140	54.55	24.3(40)	
Benzene	60.3	1.3	50	0	121	67	134	49.42	19.8(21)	
Toluene	56.8	1.3	50	0	114	38	130	46.04	20.9(20)	R5
Ethylbenzene	58.6	1.3	50	0	117	70	130	46.38	23.2(20)	R5
m,p-Xylene	57.6	1.3	50	0	115	65	139	45.36	23.7(20)	R5
o-Xylene	56.2	1.3	50	0	112	69	130	46.22	19.5(20)	
Surr: 1,2-Dichloroethane-d4	56.9		50		114	70	130			
Surr: Toluene-d8	44.6		50		89	70	130			
Surr: 4-Bromofluorobenzene	43.4		50		87	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:
30-Jan-17

QC Summary Report

Work Order:
17012322

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.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

CHAIN-OF-CUSTODY RECORD

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

CA

WorkOrder : STR17012322

Report Due By : 5:00 PM On : 30-Jan-17

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

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

EDD Required : Yes

Sampled by : Dominick Gillespie

PO :
 Client's COC # : 1138, 1136 Job : Former Olympic Station

Cooler Temp	Samples Received	Date Printed
0 °C	21-Jan-17	23-Jan-17

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

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests							Sample Remarks			
							TPHP_W	VOC_W									
STR17012322-01A	MW-1	AQ	01/19/17 09:38	3	0	5	GAS-C	BTEX/M_C									
STR17012322-02A	MW-2	AQ	01/19/17 08:27	3	0	5	GAS-C	BTEX/M_C									
STR17012322-03A	MW-3	AQ	01/19/17 11:48	3	0	5	GAS-C	BTEX/M_C									
STR17012322-04A	MW-4	AQ	01/19/17 11:23	3	0	5	GAS-C	BTEX/M_C									
STR17012322-05A	MW-5A	AQ	01/19/17 14:08	3	0	5	GAS-C	BTEX/M_C									
STR17012322-06A	MW-5B	AQ	01/19/17 14:30	3	0	5	GAS-C	BTEX/M_C									
STR17012322-07A	MW-6A	AQ	01/19/17 13:11	3	0	5	GAS-C	BTEX/M_C									
STR17012322-08A	MW-6B	AQ	01/19/17 12:55	3	0	5	GAS-C	BTEX/M_C									
STR17012322-09A	MW-7A	AQ	01/19/17 13:29	3	0	5	GAS-C	BTEX/M_C									
STR17012322-10A	MW-8A	AQ	01/19/17 13:40	3	0	5	GAS-C	BTEX/M_C									

Comments: Security seals intact. Frozen ice. Saturday delivery. Samples kept cold and secure until login on Monday . :

	Signature	Print Name	Company	Date/Time
Logged in by:		<u>K Murray</u>	Alpha Analytical, Inc.	1/23/17 1300

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

CHAIN-OF-CUSTODY RECORD

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

CA

WorkOrder : STR17012322
Report Due By : 5:00 PM On : 30-Jan-17

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

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

EDD Required : Yes

Sampled by : Dominick Gillespie


PO :
 Client's COC # : 1138, 1136 Job : Former Olympic Station

Cooler Temp	Samples Received	Date Printed
0 °C	21-Jan-17	23-Jan-17

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

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests								Sample Remarks		
				Alpha	Sub	TAT	TPH/P_W	VOC_W									
STR17012322-11A	EX-2	AQ	01/19/17 09:15	3	0	5	GAS-C	BTEX/M_C									
STR17012322-12A	EX-4	AQ	01/19/17 10:55	3	0	5	GAS-C	BTEX/M_C									
STR17012322-13A	EX-6	AQ	01/19/17 12:23	3	0	5	GAS-C	BTEX/M_C									
STR17012322-14A	EX-7	AQ	01/19/17 10:20	3	0	5	GAS-C	BTEX/M_C									

Comments: Security seals intact. Frozen ice. Saturday delivery. Samples kept cold and secure until login on Monday. :

	Signature	Print Name	Company	Date/Time
Logged in by:		K M M M	Alpha Analytical, Inc.	1/23/17 1300

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

CHAIN OF CUSTODY

1138

Billing Information:

Company: Stratus Environmental
 Attn: _____
 Address: _____
 City, State, Zip: _____
 Phone Number: _____ Fax: _____



Alpha Analytical, Inc.

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431

Phone: 775-355-1044

Fax: 775-355-0406

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95627

Phone: 916-366-9089

Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746

Phone: 714-388-2901

Northern NV: Elko, NV 89801

Phone: 775-388-7043

Southern NV: Las Vegas, NV 89120

Phone: 702-281-4848

Page # 1 of 2

Company: <u>Former Olympic Station</u>	Job and Purchase Order Info:	Report Attention/Project Manager:	QC Deliverable Info:
Address: <u>1436 Grant Ave</u>	Job #: _____	Name: <u>Scott</u>	EDD Required? Yes / No _____ EDF Required? Yes / No _____
City, State, Zip: <u>San Lorenzo</u>	Job Name: _____	Email Address: _____	Global ID: _____
P.O. #: _____	P.O. #: _____	Phone #: _____	Data Validation Packages: III or IV
Cell #: _____			

Samples Collected from which State? (circle one) AR CA KS NV OR WA DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers* (See Key Below)	Analysis Requested			Remarks	
							Field Filtered?	GRO	BTEX		MTBE
							Yes	No			
0938	1/19/17	AQ	STR17012322-01	MW-1	std	3	X	X	X	X	
0627			02	MW-2							
1146			03	MW-3							
1123			04	MW-4							
1408			05	MW-5A							
1400			06	MW-5B							
1311			07	MW-6A							
1255			08	MW-6B							
1329			09	MW-7A							
1340			10	MW-8A							

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: <u>Dominick Gillespie</u>	Date: <u>1/20/17</u>	Time: <u>0915</u>	Received by: (Signature/Affiliation): <u>[Signature]</u>	Date: <u>1/20/17</u>	Time: <u>1500</u>
Relinquished by: (Signature/Affiliation): <u>[Signature]</u>	Date: _____	Time: _____	Received by: (Signature/Affiliation): <u>[Signature]</u>	Date: <u>1/23/17</u>	Time: <u>1255</u>
Relinquished by: (Signature/Affiliation): _____	Date: _____	Time: _____	Received by: (Signature/Affiliation): _____	Date: _____	Time: _____

* Key: AQ - Aqueous AR - Air OT - Other So-Soil WA - Waste ** B - Brass L - Liter O - Orbo OT - Other P - Plastic S-Soil Jar T - Tedlar V - VOA

NOTE: Samples are discarded 60 days after sample receipt 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.

CHAIN OF CUSTODY

1136

Billing Information:

Company: Stratus Environmental
 Attn: _____
 Address: _____
 City, State, Zip: _____
 Phone Number: _____ Fax: _____



Alpha Analytical, Inc.

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431

Phone: 775-355-1044

Fax: 775-355-0406

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827

Phone: 916-366-9089

Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746

Phone: 714-386-2901

Northern NV: Elko, NV 89801

Phone: 775-388-7043

Southern NV: Las Vegas, NV 89120

Phone: 702-281-4848

Page # 2 of 2

Consultant/ Client Info: Company: Former Olympic Station Job # _____
 Address: 1236 Grant Ave City, State, Zip: San Lorenzo, CA P.O. #: _____
Job and Purchase Order Info: Job Name: _____ P.O. #: _____
Report Attention/Project Manager: Name: _____ Email Address: SCOTT Phone #: _____ Cell #: _____
QC Deliverable Info: EDD Required? Yes / No _____ EDF Required? Yes / No _____
 Global ID: _____
 Data Validation Packages: III or IV _____

Samples Collected from which State? (circle one) AR CA KS NV OR WA DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers* (See Key Below)	Analysis Requested			Remarks	
							Field Filtered?	GRO	BTEX		MTBE
						Yes	No				
0915	1/19/17	AQ	STR17012322-11	EX-2	SA	3	X	X	X	X	
1055	↓	↓		EX-4	↓	↓	↓	↓	↓	↓	
223	↓	↓		EX-6	↓	↓	↓	↓	↓	↓	
1620	↓	↓		EX-7	↓	↓	↓	↓	↓	↓	

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: Dominick Gillespie
 Relinquished by: (Signature/Affiliation) _____ Date: 1/20/17 Time: 0915
 Relinquished by: (Signature/Affiliation) _____ Date: _____ Time: _____
 Relinquished by: (Signature/Affiliation) _____ Date: _____ Time: _____
 Received by: (Signature/Affiliation) Halley Date: 1/20/17 Time: 1500
 Received by: (Signature/Affiliation) Kellman Date: 1/23/17 Time: 1255

* Key: AQ - Aqueous AR-Air OT - Other So-Soil WA - Waste ** B - Brass L - Liter O - Orbo OT - Other P - Plastic S-Soil Jar T - Tedlar V - VOA

NOTE: Samples are discarded 60 days after sample receipt 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.

APPENDIX D

**GEOTRACKER ELECTRONIC SUBMITTAL
CONFIRMATIONS**

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

**Processing is complete. No errors were found!
Your file has been successfully submitted!**

<u>Submittal Type:</u>	EDF
<u>Report Title:</u>	1st Quarter 2017 Groundwater Monitoring Analytical Results
<u>Report Type:</u>	Monitoring Report - Semi-Annually
<u>Facility Global ID:</u>	T0600102256
<u>Facility Name:</u>	OLYMPIC STATION
<u>File Name:</u>	17012322_EDF.zip
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	50.192.223.97
<u>Submittal Date/Time:</u>	2/7/2017 3:44:03 PM
<u>Confirmation Number:</u>	7895422399

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<u>Submittal Type:</u>	GEO_WELL
<u>Report Title:</u>	1st Quarter 2017 Groundwater Monitoring Geo_Well
<u>Facility Global ID:</u>	T0600102256
<u>Facility Name:</u>	OLYMPIC STATION
<u>File Name:</u>	GEO_WELL.zip
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	50.192.223.97
<u>Submittal Date/Time:</u>	1/25/2017 8:17:40 AM
<u>Confirmation Number:</u>	9930044770

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