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

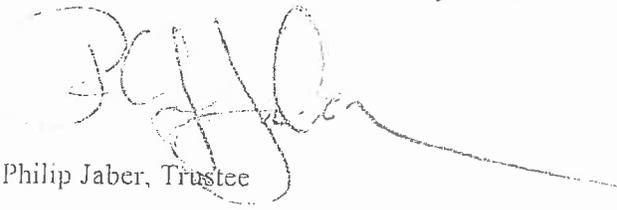
Re: Former Olympic Service Station
1436 Grant Avenue
San Lorenzo, California
ACEHD Case No. RO0000373, GeoTacker No. T0600102256

Dear Mr. Detterman:

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

Sincerely,

George and Frida Jaber 1989 Family Trust


Philip Jaber, Trustee



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

October 15, 2012
Project No. 2115-1436-01

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

Re: **Quarterly Groundwater Monitoring Report – Third Quarter 2012**
Former Olympic Station
1436 Grant Avenue
San Lorenzo, California
ACEHD Case No. RO0000373, GeoTracker No. T0600102256

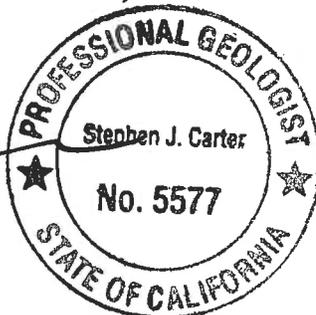
Dear Mr. Detterman:

Stratus Environmental, Inc. (Stratus), on behalf of Mr. Philip Jaber and the George and Frida Jaber 1989 Family Trust, is submitting the attached report, for the former Olympic Station located at 1436 Grant Avenue in San Lorenzo, California (Figure 1). If you have any questions or comments concerning this report, please contact Steve Carter at scarter@stratusinc.net or (530) 676-6008.

Sincerely,

STRATUS ENVIRONMENTAL, INC.


Stephen J. Carter, P.G.
Project Manager





Scott G. Bittinger, P.G.
Project Geologist

Attachment: Quarterly Groundwater Monitoring Report, Third Quarter 2012

cc: Mr. Philip Jaber
Ms. Cherie McCaulou, RWQCB

**FORMER OLYMPIC STATION
QUARTERLY GROUNDWATER MONITORING REPORT**

Facility Address: 1436 Grant Avenue, San Lorenzo, CA
 Consulting Co. / Contact Person: Stratus Environmental, Inc. / Steve Carter, 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 QUARTER (Third Quarter 2012):

1. On August 28, 2012, Stratus conducted quarterly groundwater monitoring and sampling activities. During this event, all wells (MW-1 through MW-4 and EX-1 through EX-3) were gauged for depth to water, evaluated for the presence of free product, purged and sampled. Following gauging, all wells were purged, and groundwater samples were collected. Field data sheets, sampling procedures and laboratory analytical reports are included as Appendices A, B and C, respectively. Analytical results for sampled wells and depth to groundwater measurements have been uploaded to the State of California's GeoTracker database. Documentation of these data uploads is attached in Appendix D.
2. On September 30, 2012, Stratus prepared and submitted to ACEHD a Corrective Action Plan (CAP) that presents a conceptual site model and proposes to implement dual phase extraction (DPE) remedial measures.

WORK PROPOSED FOR NEXT QUARTER (Fourth Quarter 2012):

1. In accordance with the ACEHD letter of January 28, 2011, no groundwater monitoring or sampling activities will be conducted at the site during fourth quarter 2012.
2. Upon approval of the CAP, Stratus will initiate DPE system design and permitting activities and submit a USTCF budget Change Order Request.

Current Phase of Project:	<u>CAP/REM (Start-up)</u>
Frequency of Groundwater Monitoring:	<u>All Wells = Semi-Annual (1st & 3rd)</u>
Frequency of Groundwater Monitoring and Sampling:	<u>All Wells = (Semi-Annual 1st and 3rd)</u>
Groundwater Sampling Date:	<u>August 28, 2012</u>
Is Free Product (FP) Present on Site:	<u>No</u>
Approximate Depth to Groundwater:	<u>7.15 to 7.81 ft bgs</u>
Groundwater Flow Direction:	<u>Southwest</u>
Groundwater Gradient:	<u>0.005 ft/ft</u>

DISCUSSION:

On August 28, 2012, third quarter 2012 groundwater monitoring and sampling activities were conducted at the site. During this event, all wells were gauged for depth to water and evaluated for the presence of free product. Following gauging, all wells were purged and groundwater samples were collected. Well MW-4

purged dry before three casing volumes could be removed. Groundwater samples were analyzed at a state-certified analytical laboratory for gasoline range organics (GRO) by EPA Method SW/8015B 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.

At the time of the third quarter 2012 monitoring event, depth-to-water was measured between 7.15 and 7.81 feet below ground surface. Groundwater elevations decreased between 0.77 and 1.45 feet in all monitoring wells since the previous monitoring event (March 15, 2012). Depth-to-water measurements were converted to feet above mean sea level (MSL) and used to construct a groundwater elevation contour map (Figure 2). Groundwater flow beneath the site was to the southwest with a calculated gradient of 0.005 ft/ft. Historically, groundwater flow beneath the site has been toward the west-southwest and southwest. Groundwater flow during the third quarter 2012 event was generally consistent with historical data.

Concentrations of GRO were reported in four of the seven sampled wells with a concentration range between 100 and 2,400 micrograms per liter ($\mu\text{g/L}$). Benzene was also reported in four wells with a maximum concentration reported in well MW-4 (250 $\mu\text{g/L}$). MTBE concentrations increased in all wells, with the exception of MW-4. Concentrations of MTBE reported during third quarter 2012 are 240 $\mu\text{g/L}$ (MW-1), 35 $\mu\text{g/L}$ (MW-2), 24 $\mu\text{g/L}$ (MW-3), 1,400 $\mu\text{g/L}$ (MW-4), 42 $\mu\text{g/L}$ (EX-1), 540 $\mu\text{g/L}$ (EX-2), and 190 $\mu\text{g/L}$ (EX-3). Maximum GRO, benzene, and MTBE concentrations continue to be reported in well MW-4. The concentrations in well MW-4 dropped significantly from the first quarter 2012 sampling event, but are within the range of historical analytical data for this well. Figure 3 presents GRO, benzene and MTBE analytical results from the third quarter 2012 sampling event.

ATTACHMENTS:

- Table 1 Well Construction Details
- Table 2 Groundwater Elevation and Analytical Summary
- Figure 1 Site Location Map
- Figure 2 Groundwater Elevation Contour Map (Third Quarter 2012)
- Figure 3 Groundwater Analytical Summary (Third Quarter 2012)
- 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 DETAILS**

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

Boring/Well I.D.	Date	Boring Depth (feet)	Boring Diameter (inches)	Well Diameter (inches)	Well Depth (feet)	Screen Interval (feet bgs)	Slot Size (inches)	Drilling Method	Consultant
<i>Groundwater Monitoring Wells</i>									
MW-1	09/24/99	26.5	8	2	26.5	5 - 26.5	0.020	HSA	Conestoga-Rovers & Associates
MW-2	09/24/99	20.0	8	2	20	5-20	0.020	HSA	Conestoga-Rovers & Associates
MW-3	09/24/99	21.5	8	2	21	5-21	0.020	HSA	Conestoga-Rovers & Associates
MW-4	02/09/10	10.0	10	4	10	5-10	0.020	Air Knife	Conestoga-Rovers & Associates
<i>Extraction Wells</i>									
EX-1	05/19/11	20.0	10	4	20	5-20	0.020	HSA	Stratus Environmental
EX-2	05/19/11	20.0	10	4	20	5-20	0.020	HSA	Stratus Environmental
EX-3	05/19/11	20.0	10	4	20	5-20	0.020	HSA	Stratus Environmental
Notes: HSA = Hollow Stem Auger									

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

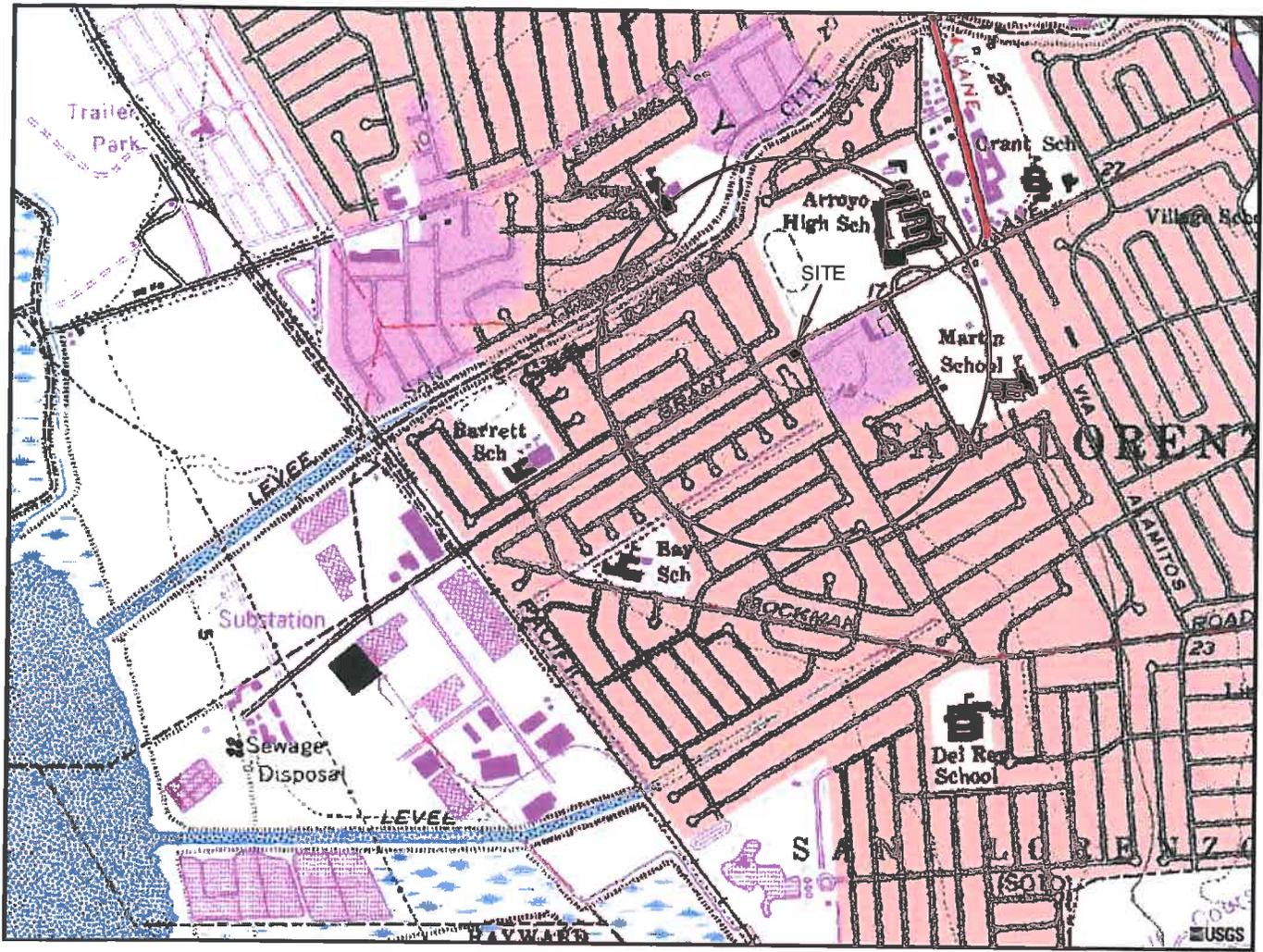
Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)*	Grouwater Elevation (ft msl)	TPHmo (µg/L)	TPHd (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (µg/L)	Ethanol (µg/L)	EDB (µg/L)	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	<13	1,700	--	--	--	--	--	--	--
	04/12/00	7.08		7.92	--	56	<1,000	66	<10	<10	<10	<10	1,600	--	--	--	--	--	--	--
	07/19/00	7.66		7.34	--	52	<1,000	<10	<10	<10	<10	<10	1,200	--	--	--	--	--	--	--
	10/25/00	7.91		7.09	--	76	4,100	120	<25	<25	<25	<25	6,100	--	--	--	--	--	--	--
	02/16/07	6.32		8.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/01/07	5.88	9.12	15.71	<250	<50	<50	<1.2	<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	8.47		<250	<50	<50	<5.0	<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	<25	520	<25	<25	<25	<250	<2,500	<25	<25
	11/01/07	7.71	8.00		--	<50	<50	<12	<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	<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	<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	<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	<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	<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	<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	<0.5	350	--	--	--	--	--	--	--	
	02/04/11	7.20	8.51	--	--	<50	0.90	<0.5	<0.5	<0.5	<0.5	62	--	--	--	--	--	--	--	
	06/03/11	7.28	11.32	18.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/02/11	7.47	11.13		--	--	120	<0.50	<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	<0.50	71	--	--	--	--	--	--	--
08/28/12	7.81	10.79	--		--	120	<0.50	<0.50	<0.50	<0.50	<0.50	240	--	--	--	--	--	--	--	

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

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)*	Groundwater Elevation (ft msl)	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	<500	<50	70	<0.5	<0.5	<0.5	<0.5	11	--	--	--	--	--	--	--	
	01/13/00	7.46		7.00	<500	<50	<50	<0.5	<0.5	<0.5	<0.5	6.2	--	--	--	--	--	--	--	
	04/12/00	6.67		7.79	<500	<50	<50	<0.5	<0.5	<0.5	<0.5	39	--	--	--	--	--	--	--	
	07/19/00	7.23		7.23	<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	--	--	--	--	--	--	--	

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

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)*	Groundwater Elevation (ft msl)	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	--	--	--	--	--	--	--	
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	--	--	--	--	--	--		



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

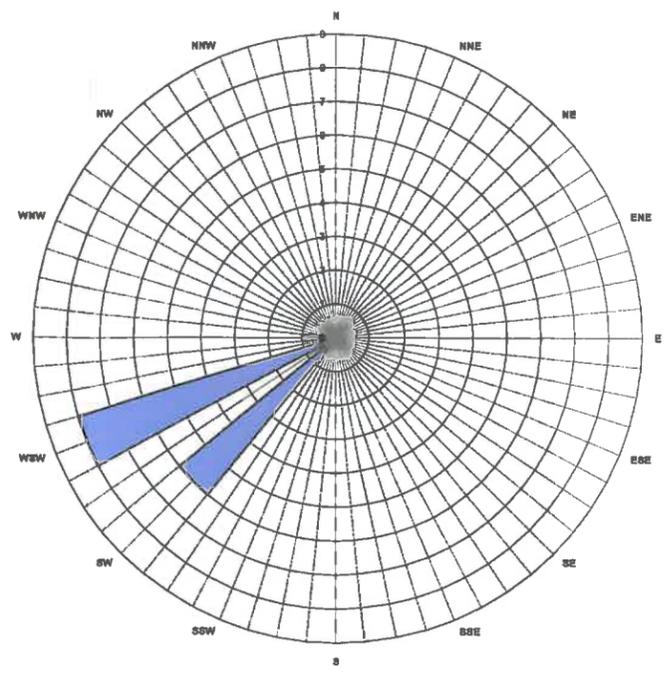
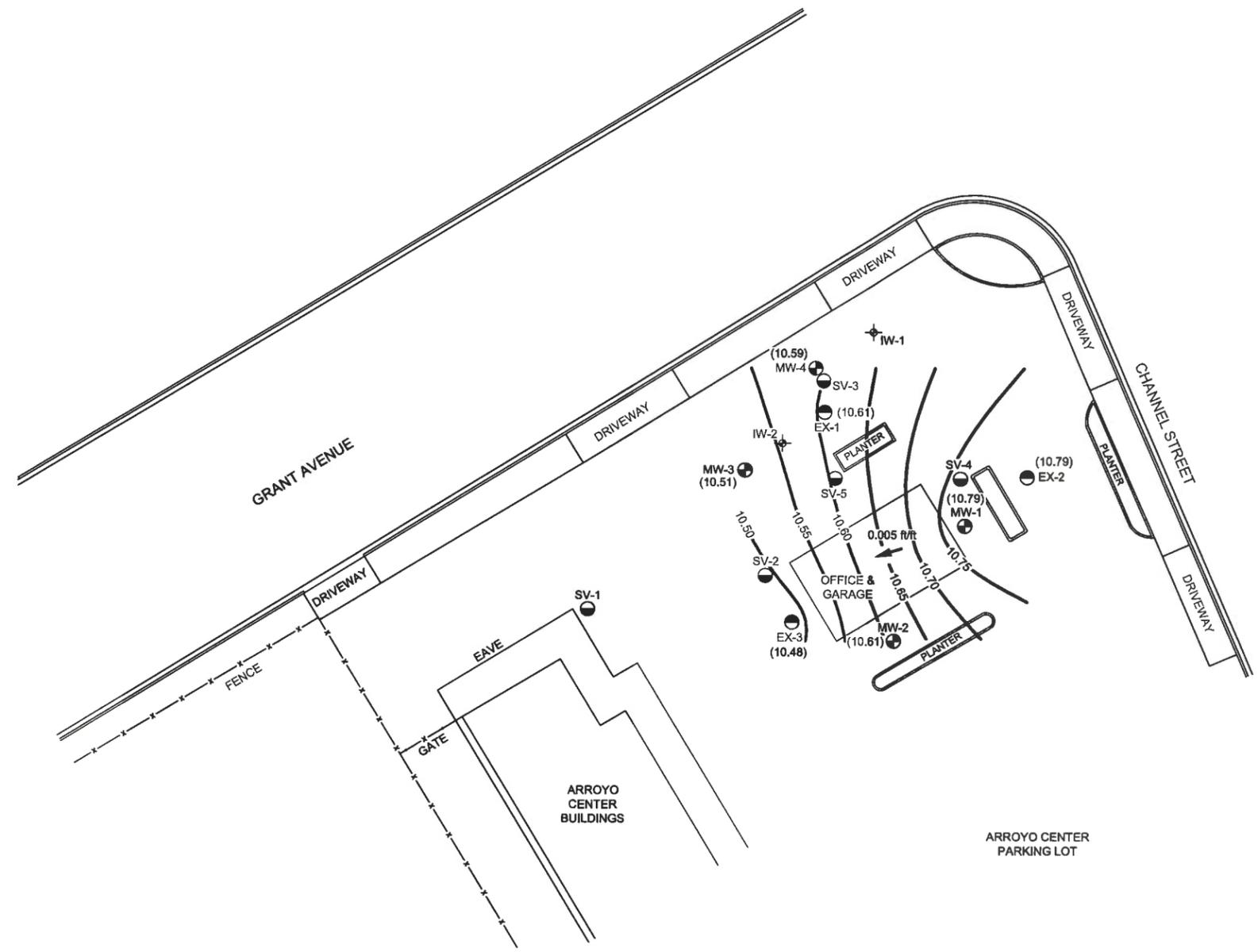
1

PROJECT NO.
 2115-1436-01

SITE LOCATION MAP

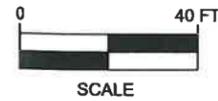
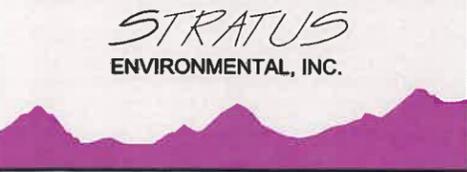


- LEGEND
- MW-1 MONITORING WELL LOCATION
 - SV-1 VAPOR EXTRACTION WELL LOCATION
 - EX-1 EXTRACTION WELL LOCATION
 - IW-1 OZONE INJECTION WELL LOCATION
 - (10.79) GROUNDWATER ELEVATION IN FEET RELATIVE TO MSL
 - 10.70— GROUNDWATER ELEVATION CONTOUR IN FEET RELATIVE TO MSL
 - ➔ INFERRED GROUNDWATER FLOW DIRECTION
- WELLS MEASURED ON 8/28/12
MSL = MEAN SEA LEVEL



REV September 10, 2012 Olympic Quarterly Figures
JMP

BASED ON SURVEY PREPARED BY MORROW SURVEYING 6/15/11



FORMER OLYMPIC SERVICE STATION
1436 GRANT AVENUE
SAN LORENZO, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
3rd QUARTER 2012

FIGURE
2
PROJECT NO.
2115-1436-01

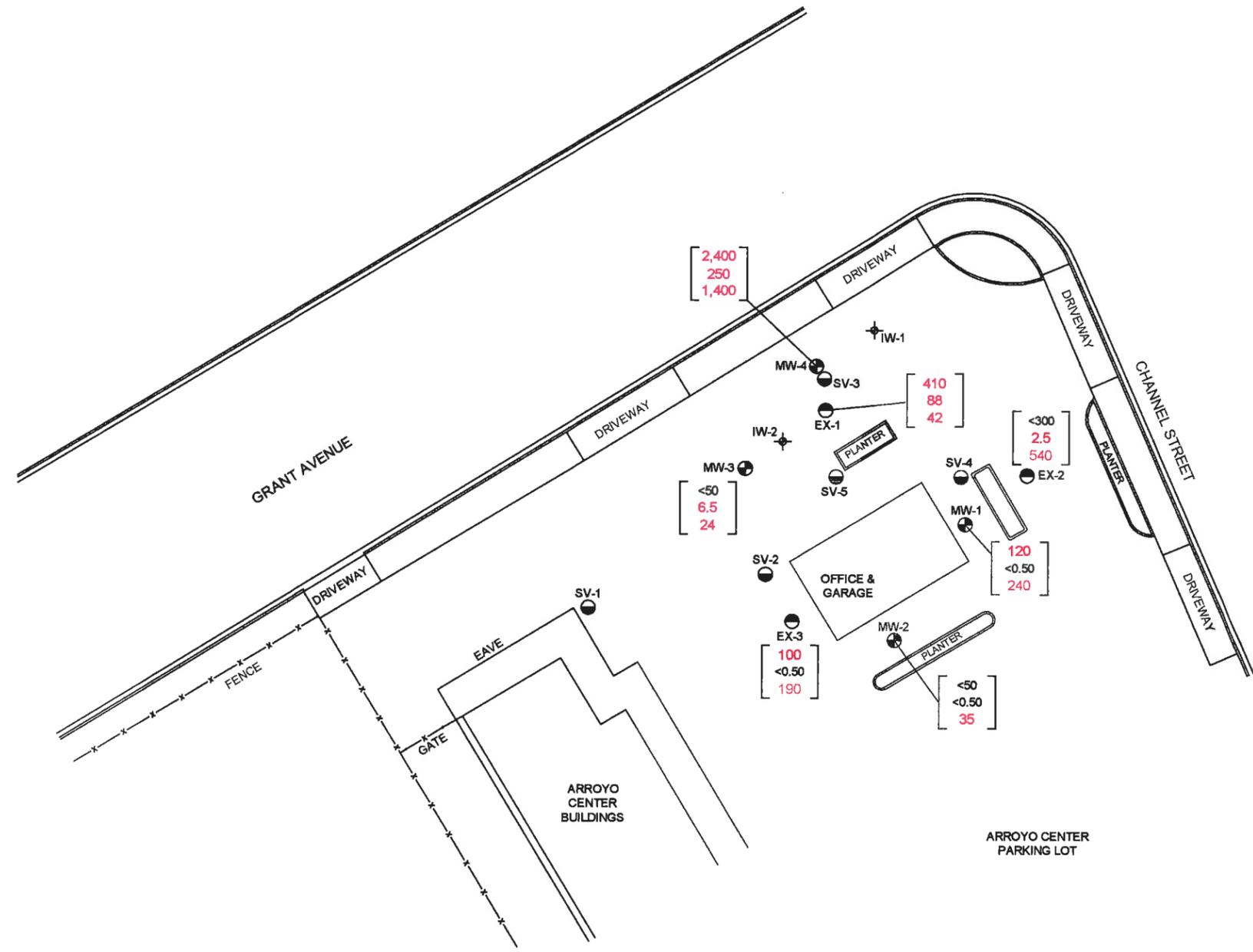


LEGEND

- MW-1 MONITORING WELL LOCATION
- SV-1 VAPOR EXTRACTION WELL LOCATION
- EX-1 EXTRACTION WELL LOCATION
- IW-1 OZONE INJECTION WELL LOCATION

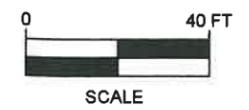
- 120 GASOLINE RANGE ORGANICS (GRO) CONCENTRATION IN $\mu\text{g/L}$
- <0.50 BENZENE CONCENTRATION IN $\mu\text{g/L}$
- 240 METHYL TERTIARY BUTYL ETHER (MTBE) IN $\mu\text{g/L}$

WELLS SAMPLED ON 8/28/12
 GRO ANALYZED BY EPA METHOD 8015B
 MTBE & BENZENE ANALYZED BY EPA METHOD 8260B



REV September 10, 2012 Olympic Quarterly Figures
JMP
OlympicQuartry

BASED ON SURVEY PREPARED BY MORROW SURVEYING 6/15/11



FORMER OLYMPIC SERVICE STATION
 1436 GRANT AVENUE
 SAN LORENZO, CALIFORNIA

GROUNDWATER ANALYTICAL SUMMARY
 3rd QUARTER 2012

FIGURE
3
 PROJECT NO.
 2115-1436-01

APPENDIX A
FIELD DATA SHEETS



Site Address 1436 Grant Avenue
 City San Lorenzo
 Sampled by: _____
 Signature CHILL

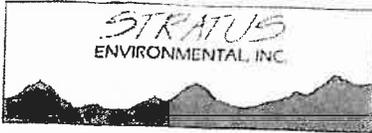
Site Number Olympic Jaber
 Project Number 2115-1436-01
 Project PM Steve Carter
 DATE 8-28-12

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	0484		7.81	23.20	15.39	2	.5	8	8		X			7.82	MW 1	0703	1.65
MW 2	0501		7.39	18.36	10.97	2	.5	5	5		X			7.40) 2	0603	1.58
MW 3	0506	7.44	7.99	18.86	11.42	2	.5	6	6		X			7.47) 3	0603	1.21
MW 4	0523		7.40	9.32	1.92	4	2.0	4	2.03		X			7.42	MW 4	0730	2.80
EX-1	0504		7.53	19.80	12.27	4	2.0	24	24		X			7.54	EX-1	0543	1.75
EX-2	0453		7.35	19.31	11.96	4	2.0	24	24		X			7.30	EX-2	0723	1.50
EX-3	0501		7.15	19.80	12.65	4	2.0	25	25		X			7.16	EX-3	0623	1.60

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 8.26
 Conductivity _____
 DO _____



Site Address 1436 Grant Ave
 City San Lorenzo
 Sampled By: CHILL
 Signature [Signature]

Site Number Olympic Jaber
 Project Number 2115-1436-01
 Project PM S. Carter
 DATE 8-28-12

Well ID <u>MW 4</u>					Well ID <u>EX-1</u>							
Purge start time		Odor <input checked="" type="radio"/> N			Purge start time		Odor <input checked="" type="radio"/> N					
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons			
time	<u>0518</u>	<u>19.3</u>	<u>6.95</u>	<u>795</u>	<u>8</u>	time	<u>0528</u>	<u>19.7</u>	<u>6.86</u>	<u>844</u>	<u>8</u>	
time	<u>0522</u>	<u>19.8</u>	<u>6.86</u>	<u>812</u>	<u>3/4</u>	time	<u>0532</u>	<u>19.0</u>	<u>6.94</u>	<u>871</u>	<u>12</u>	
time						time	<u>0538</u>	<u>19.0</u>	<u>6.92</u>	<u>868</u>	<u>24</u>	
time						time						
purge stop time		<u>8:20 DO</u>			ORP <u>358</u>		purge stop time		<u>1:71 DO</u>			ORP <u>356</u>
Well ID <u>MW 3</u>					Well ID <u>EX-3</u>							
Purge start time		Odor <input checked="" type="radio"/> N			Purge start time		Odor <input checked="" type="radio"/> N					
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons			
time	<u>0549</u>	<u>20.1</u>	<u>6.92</u>	<u>804</u>	<u>8</u>	time	<u>0608</u>	<u>20.2</u>	<u>6.90</u>	<u>871</u>	<u>8</u>	
time	<u>0553</u>	<u>20.7</u>	<u>7.02</u>	<u>803</u>	<u>3</u>	time	<u>0617</u>	<u>19.4</u>	<u>7.04</u>	<u>881</u>	<u>12</u>	
time	<u>0557</u>	<u>20.4</u>	<u>6.94</u>	<u>867</u>	<u>6</u>	time	<u>0620</u>	<u>19.2</u>	<u>7.03</u>	<u>889</u>	<u>25</u>	
time						time						
purge stop time		<u>1:20 DO</u>			ORP <u>343</u>		purge stop time		<u>1:60 DO</u>			ORP <u>339</u>
Well ID <u>MW 2</u>					Well ID <u>MW 1</u>							
Purge start time		Odor <input checked="" type="radio"/> Y <input checked="" type="radio"/> N			Purge start time		Odor <input checked="" type="radio"/> Y <input checked="" type="radio"/> N					
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons			
time	<u>0630</u>	<u>19.8</u>	<u>6.76</u>	<u>821</u>	<u>8</u>	time	<u>0647</u>	<u>18.8</u>	<u>6.85</u>	<u>906</u>	<u>8</u>	
time	<u>0634</u>	<u>19.4</u>	<u>6.79</u>	<u>839</u>	<u>3</u>	time	<u>0652</u>	<u>19.0</u>	<u>6.88</u>	<u>906</u>	<u>4</u>	
time	<u>0637</u>	<u>19.4</u>	<u>6.79</u>	<u>831</u>	<u>5</u>	time	<u>0657</u>	<u>18.9</u>	<u>6.89</u>	<u>909</u>	<u>8</u>	
time						time						
purge stop time		<u>1:81 DO</u>			ORP <u>345</u>		purge stop time		<u>1:65 DO</u>			ORP <u>347</u>
Well ID <u>EX-2</u>					Well ID							
Purge start time		Odor <input checked="" type="radio"/> Y <input checked="" type="radio"/> N			Purge start time		Odor <input type="radio"/> Y <input type="radio"/> N					
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons			
time	<u>0705</u>	<u>20.0</u>	<u>6.67</u>	<u>839</u>	<u>8</u>	time						
time	<u>0710</u>	<u>20.2</u>	<u>6.77</u>	<u>829</u>	<u>12</u>	time						
time	<u>0717</u>	<u>20.0</u>	<u>6.78</u>	<u>826</u>	<u>24</u>	time						
time						time						
purge stop time		<u>1:50 DO</u>			ORP <u>359</u>		purge stop time		ORP			

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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: Steve Carter
Phone: (530) 676-6008
Fax: (530) 676-6005
Date Received : 08/29/12

Job: Olympic

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

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID : MW-1				
Lab ID : STR12082942-01A	TPH-P (GRO)	120	100 µg/L	08/30/12
Date Sampled 08/28/12 07:03	Methyl tert-butyl ether (MTBE)	240	0.50 µg/L	08/30/12
	Benzene	ND	0.50 µg/L	08/30/12
	Toluene	ND	0.50 µg/L	08/30/12
	Ethylbenzene	ND	0.50 µg/L	08/30/12
	m,p-Xylene	ND	0.50 µg/L	08/30/12
	o-Xylene	ND	0.50 µg/L	08/30/12
Client ID : MW-2				
Lab ID : STR12082942-02A	TPH-P (GRO)	ND	50 µg/L	08/30/12
Date Sampled 08/28/12 06:44	Methyl tert-butyl ether (MTBE)	35	0.50 µg/L	08/30/12
	Benzene	ND	0.50 µg/L	08/30/12
	Toluene	ND	0.50 µg/L	08/30/12
	Ethylbenzene	ND	0.50 µg/L	08/30/12
	m,p-Xylene	ND	0.50 µg/L	08/30/12
	o-Xylene	ND	0.50 µg/L	08/30/12
Client ID : MW-3				
Lab ID : STR12082942-03A	TPH-P (GRO)	ND	50 µg/L	08/30/12
Date Sampled 08/28/12 06:03	Methyl tert-butyl ether (MTBE)	24	0.50 µg/L	08/30/12
	Benzene	6.5	0.50 µg/L	08/30/12
	Toluene	ND	0.50 µg/L	08/30/12
	Ethylbenzene	ND	0.50 µg/L	08/30/12
	m,p-Xylene	ND	0.50 µg/L	08/30/12
	o-Xylene	ND	0.50 µg/L	08/30/12
Client ID : MW-4				
Lab ID : STR12082942-04A	TPH-P (GRO)	2,400	800 µg/L	08/30/12
Date Sampled 08/28/12 07:30	Methyl tert-butyl ether (MTBE)	1,400	4.0 µg/L	08/30/12
	Benzene	250	4.0 µg/L	08/30/12
	Toluene	ND	4.0 µg/L	08/30/12
	Ethylbenzene	14	4.0 µg/L	08/30/12
	m,p-Xylene	ND	4.0 µg/L	08/30/12
	o-Xylene	ND	4.0 µg/L	08/30/12
Client ID : EX-1				
Lab ID : STR12082942-05A	TPH-P (GRO)	410	200 µg/L	08/30/12
Date Sampled 08/28/12 05:45	Methyl tert-butyl ether (MTBE)	42	1.0 µg/L	08/30/12
	Benzene	88	1.0 µg/L	08/30/12
	Toluene	1.2	1.0 µg/L	08/30/12
	Ethylbenzene	36	1.0 µg/L	08/30/12
	m,p-Xylene	1.4	1.0 µg/L	08/30/12
	o-Xylene	ND	1.0 µg/L	08/30/12



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Client ID :	EX-2						
Lab ID :	STR12082942-06A	TPH-P (GRO)	ND	V	300 µg/L	08/30/12	08/30/12
Date Sampled	08/28/12 07:25	Methyl tert-butyl ether (MTBE)	540		1.5 µg/L	08/30/12	08/30/12
		Benzene	2.5		1.5 µg/L	08/30/12	08/30/12
		Toluene	ND	V	1.5 µg/L	08/30/12	08/30/12
		Ethylbenzene	ND	V	1.5 µg/L	08/30/12	08/30/12
		m,p-Xylene	ND	V	1.5 µg/L	08/30/12	08/30/12
		o-Xylene	ND	V	1.5 µg/L	08/30/12	08/30/12
Client ID :	EX-3						
Lab ID :	STR12082942-07A	TPH-P (GRO)	100		100 µg/L	08/30/12	08/30/12
Date Sampled	08/28/12 06:25	Methyl tert-butyl ether (MTBE)	190		0.50 µg/L	08/30/12	08/30/12
		Benzene	ND		0.50 µg/L	08/30/12	08/30/12
		Toluene	ND		0.50 µg/L	08/30/12	08/30/12
		Ethylbenzene	ND		0.50 µg/L	08/30/12	08/30/12
		m,p-Xylene	ND		0.50 µg/L	08/30/12	08/30/12
		o-Xylene	ND		0.50 µg/L	08/30/12	08/30/12

Gasoline Range Organics (GRO) C4-C13

V = Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Reported in micrograms per Liter, per client request.

Roger Scholl *Randy Gardner* *Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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

9/6/12

Report Date



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VOC Sample Preservation Report

Work Order: STR12082942

Job: Olympic

Alpha's Sample ID	Client's Sample ID	Matrix	pH
12082942-01A	MW-1	Aqueous	2
12082942-02A	MW-2	Aqueous	2
12082942-03A	MW-3	Aqueous	2
12082942-04A	MW-4	Aqueous	2
12082942-05A	EX-1	Aqueous	2
12082942-06A	EX-2	Aqueous	2
12082942-07A	EX-3	Aqueous	2

9/6/12

Report Date

Page 1 of 1



Alpha Analytical, Inc.

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Date:
06-Sep-12

QC Summary Report

Work Order:
12082942

Method Blank

File ID: 12083005.D

Type: MBLK

Test Code: EPA Method SW8015B/C

Sample ID: MBLK MS12W0830B

Units: µg/L

Run ID: MSD_12_120830A

Batch ID: MS12W0830B

Analysis Date: 08/30/2012 11:31

Prep Date: 08/30/2012 11:31

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	9.92		10		99	70	130			
Surr: Toluene-d8	10.6		10		106	70	130			
Surr: 4-Bromofluorobenzene	9.66		10		97	70	130			

Laboratory Control Spike

File ID: 12083002.D

Type: LCS

Test Code: EPA Method SW8015B/C

Sample ID: GLCS MS12W0830B

Units: µg/L

Run ID: MSD_12_120830A

Batch ID: MS12W0830B

Analysis Date: 08/30/2012 10:23

Prep Date: 08/30/2012 10:23

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	348	50	400		87	70	130			
Surr: 1,2-Dichloroethane-d4	9.51		10		95	70	130			
Surr: Toluene-d8	10.4		10		104	70	130			
Surr: 4-Bromofluorobenzene	9.29		10		93	70	130			

Sample Matrix Spike

File ID: 12083016.D

Type: MS

Test Code: EPA Method SW8015B/C

Sample ID: 12082721-07AGS

Units: µg/L

Run ID: MSD_12_120830A

Batch ID: MS12W0830B

Analysis Date: 08/30/2012 15:42

Prep Date: 08/30/2012 15:42

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1440	250	2000		72	51	144			
Surr: 1,2-Dichloroethane-d4	44.7		50		89	70	130			
Surr: Toluene-d8	52.5		50		105	70	130			
Surr: 4-Bromofluorobenzene	46.6		50		93	70	130			

Sample Matrix Spike Duplicate

File ID: 12083017.D

Type: MSD

Test Code: EPA Method SW8015B/C

Sample ID: 12082721-07AGSD

Units: µg/L

Run ID: MSD_12_120830A

Batch ID: MS12W0830B

Analysis Date: 08/30/2012 16:05

Prep Date: 08/30/2012 16:05

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1520	250	2000		76	51	144	1439	5.2(29)	
Surr: 1,2-Dichloroethane-d4	44.1		50		88	70	130			
Surr: Toluene-d8	52.6		50		105	70	130			
Surr: 4-Bromofluorobenzene	46.8		50		94	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.

Reported in micrograms per Liter, per client request.



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Date:
06-Sep-12

QC Summary Report

Work Order:
12082942

Method Blank

Type: MBLK Test Code: EPA Method SW8260B

File ID: 12083005.D

Batch ID: MS12W0830A

Analysis Date: 08/30/2012 11:31

Sample ID: MBLK MS12W0830A

Units: µg/L

Run ID: MSD_12_120830A

Prep Date: 08/30/2012 11:31

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDR _{RefVal}	%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	9.92		10		99	70	130			
Surr: Toluene-d8	10.6		10		106	70	130			
Surr: 4-Bromofluorobenzene	9.66		10		97	70	130			

Laboratory Control Spike

Type: LCS Test Code: EPA Method SW8260B

File ID: 12083003.D

Batch ID: MS12W0830A

Analysis Date: 08/30/2012 10:46

Sample ID: LCS MS12W0830A

Units: µg/L

Run ID: MSD_12_120830A

Prep Date: 08/30/2012 10:46

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDR _{RefVal}	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	11.2	0.5	10		112	65	140			
Benzene	11.1	0.5	10		111	70	130			
Toluene	11.8	0.5	10		118	80	120			
Ethylbenzene	9.94	0.5	10		99	80	120			
m,p-Xylene	9.34	0.5	10		93	70	130			
o-Xylene	9.41	0.5	10		94	70	130			
Surr: 1,2-Dichloroethane-d4	9.05		10		91	70	130			
Surr: Toluene-d8	10.7		10		107	70	130			
Surr: 4-Bromofluorobenzene	9.24		10		92	70	130			

Sample Matrix Spike

Type: MS Test Code: EPA Method SW8260B

File ID: 12083014.D

Batch ID: MS12W0830A

Analysis Date: 08/30/2012 14:56

Sample ID: 12082721-07AMS

Units: µg/L

Run ID: MSD_12_120830A

Prep Date: 08/30/2012 14:56

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDR _{RefVal}	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	52.6	1.3	50		0	105	47	150		
Benzene	52.6	1.3	50		0	105	59	138		
Toluene	56.8	1.3	50		0	114	68	130		
Ethylbenzene	46.7	1.3	50		0	93	68	130		
m,p-Xylene	44.5	1.3	50		0	89	68	131		
o-Xylene	45.5	1.3	50		0	91	70	130		
Surr: 1,2-Dichloroethane-d4	42.9		50		86	70	130			
Surr: Toluene-d8	55.1		50		110	70	130			
Surr: 4-Bromofluorobenzene	45.4		50		91	70	130			

Sample Matrix Spike Duplicate

Type: MSD Test Code: EPA Method SW8260B

File ID: 12083015.D

Batch ID: MS12W0830A

Analysis Date: 08/30/2012 15:19

Sample ID: 12082721-07AMSD

Units: µg/L

Run ID: MSD_12_120830A

Prep Date: 08/30/2012 15:19

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDR _{RefVal}	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	52.2	1.3	50		0	104	47	150	52.57	0.6(40)
Benzene	50	1.3	50		0	99.9	59	138	52.57	5.1(21)
Toluene	53.8	1.3	50		0	108	68	130	56.82	5.5(20)
Ethylbenzene	44.7	1.3	50		0	89	68	130	46.69	4.3(20)
m,p-Xylene	42.5	1.3	50		0	85	68	131	44.51	4.6(20)
o-Xylene	43.2	1.3	50		0	86	70	130	45.45	5.0(20)
Surr: 1,2-Dichloroethane-d4	43.6		50		87	70	130			
Surr: Toluene-d8	54.6		50		109	70	130			
Surr: 4-Bromofluorobenzene	45.3		50		91	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.

Billing Information :

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 : STR12082942
Report Due By : 5:00 PM On : 06-Sep-12

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

Report Attention	Phone Number	EEmail Address
Steve Carter	(530) 676-6008 x	scarter@stratusinc.net

EDD Required : Yes

Sampled by : C. Hill

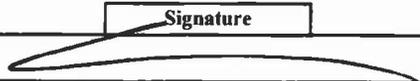
PO :
 Client's COC # : 59481 Job : Olympic

Cooler Temp	Samples Received	Date Printed
0 °C	29-Aug-12	29-Aug-12

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

Alpha Sample ID	Client Sample ID	Collection Matrix	Date	No. of Bottles			Requested Tests						Sample Remarks			
				Alpha	Sub	TAT	TPHP_W	VOC_W								
STR12082942-01A	MW-1	AQ	08/28/12 07:03	3	0	5	GAS-C	BTXE/M_C								
STR12082942-02A	MW-2	AQ	08/28/12 06:44	3	0	5	GAS-C	BTXE/M_C								
STR12082942-03A	MW-3	AQ	08/28/12 06:03	3	0	5	GAS-C	BTXE/M_C								
STR12082942-04A	MW-4	AQ	08/28/12 07:30	3	0	5	GAS-C	BTXE/M_C								
STR12082942-05A	EX-1	AQ	08/28/12 05:45	3	0	5	GAS-C	BTXE/M_C								
STR12082942-06A	EX-2	AQ	08/28/12 07:25	3	0	5	GAS-C	BTXE/M_C								
STR12082942-07A	EX-3	AQ	08/28/12 06:25	3	0	5	GAS-C	BTXE/M_C								

Comments: Security seals intact. Frozen ice. :

Signature	Print Name	Company	Date/Time
	Sarah Nien	Alpha Analytical, Inc.	8/29/12 1003

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

Billing Information:

Company Name Statatus
 Attn: Steve
 Address 3330 Cameron Pk DR
 City, State, Zip Cameron Pk
 Phone Number 538676 6004 Fax 538676 6005



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

Samples Collected From Which State?

AZ CA NV WA **DOD Site**
 ID OR **OTHER** Page # 1 of 1

Consultant / Client Name		Job #		Job Name		Analyses Required						Data Validation Level: III or IV		
Address		City, State, Zip		Name: <u>STEVE</u>		Report Attention / Project Manager						EDD / EDF? YES <input type="checkbox"/> NO <input type="checkbox"/>		
Time Sampled	Date Sampled	Matrix* See Key Below	P.O. #	Lab ID Number	Office (Use Only)	Sample Description	TAT	Field Filtered	# Containers**	GRU-015M	82403	DTex	MTBE	REMARKS
0703	8/25	HR		STR2082142-DIA		MW-1	STD		3-V	X	X	X		
0644				FOF-01A		MW-2			3-V					
0603				FOF-02A		MW-3			3-V					
0730				FOF-04A		MW-4			3-V					
0545				LAB-05A		EX-1			3-V					
0725				LAB-06A		EX-2			3-V					
0825				LAB-07A		EX-3			3-V	X	X	X		

ADDITIONAL INSTRUCTIONS:

I, (field sampler), attest to the validity and authenticity of this sample. 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. Sampled By: Steve Statatus

Relinquished by: (Signature/Affiliation) <u>Steve Statatus</u>	Received by: (Signature/Affiliation) <u>Michelle Schen</u>	Date: <u>8-28-12</u>	Time: <u>11:45</u>
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation) <u>Alpha</u>	Date: <u>8/29/12</u>	Time: <u>0956</u>
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:

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

APPENDIX D
GEOTRACKER ELECTRONIC SUBMITTAL
CONFIRMATIONS

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

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

<u>Submittal Type:</u>	GEO_WELL
<u>Report Title:</u>	3Q12 QMR - GEOWELL 8-28-12
<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>	12.186.106.98
<u>Submittal Date/Time:</u>	9/11/2012 8:27:21 AM
<u>Confirmation Number:</u>	3754749357

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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>	3Q12 QMR - ANALYTICAL 8-28-12
<u>Report Type:</u>	Monitoring Report - Quarterly
<u>Facility Global ID:</u>	T0600102256
<u>Facility Name:</u>	OLYMPIC STATION
<u>File Name:</u>	12082942_EDF.zip
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	12.186.106.98
<u>Submittal Date/Time:</u>	9/11/2012 8:28:35 AM
<u>Confirmation Number:</u>	1395841479

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