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By Alameda County Environmental Health at 3:44 pm, Jan 13, 2014

Ms. Dilan Roe  
Alameda County Environmental Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502

Re: 6310 Houston Place, Dublin, California 94568  
ACEHS Case No. RO0002862, GeoTracker ID T0600113164

Dear Ms. Roe:

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,



Mr. Cary Grayson



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

January 9, 2014  
Project No. 2094-6310-01

Ms. Dilan Roe  
Alameda County Environmental Health Department  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502

Re: **Semi-Annual Monitoring and Sampling Report – Fourth Quarter 2013**  
6310 Houston Place, Dublin, California 94568  
ACEHD Case No. RO0002862, GeoTracker ID T0600113164

Dear Ms. Roe:

Stratus Environmental, Inc. (Stratus) is submitting the attached report, which presents an update of work performed during the fourth quarter 2013 on behalf of Mr. Cary Grayson for the facility located at 6310 Houston Place, Dublin, California. Stratus representatives, whose signatures appear below, declare under penalty of perjury, that the information contained in the attached report are true and correct to the best of our knowledge.

If you have any questions regarding this project, please contact Mr. Trevor Hartwell at (530) 313-9966.

Sincerely,

**STRATUS ENVIRONMENTAL, INC.**

Trevor M. Hartwell, P.G.  
Project Manager



Jay R. Johnson, P.G.  
Principal Geologist

Attachment: Semi-Annual Monitoring and Sampling Report, Fourth Quarter 2013

cc: Mr. Cary Grayson (via email [carybgrayson@gmail.com](mailto:carybgrayson@gmail.com))

**6310 HOUSTON PLACE  
SEMI-ANNUAL MONITORING AND SAMPLING REPORT**

Facility Address: 6310 Houston Place, Dublin, California 94568  
Consulting Co. / Contact Person: Stratus Environmental, Inc. / Trevor Hartwell  
Consultant Project No: 2094-6310-01  
Primary Agency/Regulatory ID No: Dilan Roe, Alameda County Environmental Health Department  
(ACEHD) Case No. RO0002862

**WORK PERFORMED THIS QUARTER (Fourth Quarter 2013):**

1. The State Water Resources Control Board (SWRCB), in correspondence dated January 29, 2013, provided updated information regarding the site in a Preliminary 5-Year Review Summary Report. In this correspondence, SWRCB recommended one additional round of post-remediation sampling be conducted, adding hexavalent chromium (Cr<sup>6+</sup>) to the analyte list.
2. ACEHD, in correspondence dated June 13, 2013, identified potential data gaps to the lateral and vertical delineation of the groundwater plume and requested that a Data Gap Investigation Work Plan be prepared to address data gaps necessary to develop a complete site conceptual model.
3. On July 8, 2013, Stratus submitted a cost pre-approval request to the Underground Storage Tank Cleanup Fund (USTCF) for additional monies needed to develop the ACEHD requested work plan. The USTCF verbally approved Stratus's request in October 2013.
4. Stratus emailed a *Draft Data Gap Investigation Work Plan* (Draft Work Plan) to ACEHD on October 21, 2013. ACEHD reviewed the Draft Work Plan, and in electronic correspondence dated October 31, 2013 requested Stratus finalize and upload the report for formal review.
5. On November 4, 2013, Stratus conducted the fourth quarter 2013 groundwater monitoring and sampling event. Prior to sampling, all wells (DW-1 through DW-7) were gauged for depth to water, temperature, pH, conductivity, dissolved oxygen (DO) and oxygen-reduction potential (ORP), purged, and groundwater samples were collected. All samples were forwarded to a state-certified analytical laboratory for analysis. Field data sheets, sampling procedures and laboratory analytical reports are included as Appendices A, B, and C, respectively. Analytical results of 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.
6. Stratus submitted the finalized *Data Gap Investigation Work Plan* (Work Plan), dated December 6, 2013, to the ACEHD. Stratus is currently awaiting approval from ACEHD to implement the Work Plan.

**WORK TO BE PERFORMED NEXT QUARTER (First Quarter 2014):**

1. Upon approval from ACEHD, Stratus will begin implementing activities associated with the *Work Plan*.
2. During the first quarter 2014, Stratus will conduct groundwater monitoring and sampling activities at the site. During this event, all site wells will be gauged, purged and groundwater samples will be collected. All samples will be forwarded to a state-certified analytical laboratory for analysis.

Current Phase of Project:	Soil and Groundwater Investigation (SWI)
Frequency of Groundwater Monitoring and Sampling:	Wells DW-1 through DW-7 = Semi-annual 1 <sup>st</sup> & 3 <sup>rd</sup>
Groundwater Sampling Date:	November 4, 2013
Is Free Product (FP) Present on Site:	No
Approximate Depth to Groundwater:	8.43 to 9.77 feet below top of well casing
Groundwater Flow Direction / Gradient:	West / 0.002 to 0.003 ft/ft

## DISCUSSION:

Stratus conducted groundwater monitoring and sampling activities on November 4, 2013. During this event, wells DW-1 through DW-7 were gauged for depth to water, evaluated for the presence of free product, purged, and sampled. Groundwater samples were collected and forwarded to a state-certified analytical laboratory. All samples were analyzed for diesel range organics (DRO), with silica gel cleanup, by EPA Method SW8015B, and benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tert-butyl ether (MTBE), and naphthalene by EPA Method SW8260B.

At the direction of ACEHD, Stratus also collected samples for metals analysis of chromium (Cr), Iron (Fe), copper (Cu), arsenic (As), selenium (Se), cadmium (Cd), barium (Ba), and lead (Pb) all by EPA Method 200.8 and for Cr<sup>6+</sup> by EPA Method 218.6. Dissolved metal concentrations (including historical data) are included in Table 3.

At the time of the November 2013 groundwater monitoring event, depth to groundwater was measured between 8.43 and 9.77 feet below ground surface (bgs) in all gauged wells. Groundwater elevations decreased between 2.10 and 2.25 feet in all wells since the last monitoring event (December 13, 2012). Groundwater monitoring data were converted to feet above mean sea level (MSL) and used to prepare a groundwater elevation contour map (Figure 2). Groundwater flow direction at the site was generally to the west with a calculated gradient between 0.002 and 0.003 ft/ft.

Concentrations of BTEX and naphthalene were not reported in any of the sampled wells during the fourth quarter 2013. DRO was reported in wells DW-1 (120 micrograms per liter [ $\mu\text{g/L}$ ]), DW-2 (340  $\mu\text{g/L}$ ), DW-3 (440  $\mu\text{g/L}$ ), DW-4 (72  $\mu\text{g/L}$ ) and DW-5 (110  $\mu\text{g/L}$ ). One very low concentration of MTBE was also reported in onsite well DW-4 (1.3  $\mu\text{g/L}$ ). No concentrations of any sampled analytes were reported in offsite wells DW-6 or DW-7 during fourth quarter 2013, which is consistent with historical information. Tabulated groundwater analytical data are summarized in Table 2. DW-6 reported a concentration of Cr<sup>6+</sup> (2.0  $\mu\text{g/L}$ ), which is below the San Francisco Bay RWQCB (SF Bay RWQCB) Tier 1 environmental screening level of 11  $\mu\text{g/L}$  (SF Bay RWQCB, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, Table F-1a. Groundwater Screening Levels [groundwater is a current or potential drinking water resource], updated May 2013). Certified analytical results are presented in Appendix C. DRO, benzene, and MTBE concentrations for groundwater samples collected during the fourth quarter 2013 are presented in Figure 3.

## ATTACHMENTS:

- Table 1 Well Construction and Soil Boring Details
- Table 2 Groundwater Elevation and Analytical Summary
- Table 3 Groundwater Analytical – Dissolved Metals Summary
- Figure 1 Site Location Map
- Figure 2 Groundwater Elevation Contour Map, Fourth Quarter 2013
- Figure 3 Groundwater Analytical Summary, Fourth Quarter 2013
- 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 AND SOIL BORING DETAILS**  
6310 Houston Place, Dublin, CA

<b>Well I.D.</b>	<b>Date Installed</b>	<b>Boring Depth (feet)</b>	<b>Well Diameter (inches)</b>	<b>Screen Interval (feet bgs)</b>	<b>Slot Size (inches)</b>	<b>Consultant</b>
<b><i>Monitoring Well</i></b>						
DW-1	03/14/07	17	2	7-17	0.010	AEI
DW-2	03/14/07	17	2	7-17	0.010	AEI
DW-3	03/14/07	17	2	7-17	0.010	AEI
DW-4	03/14/07	17	2	7-17	0.010	AEI
DW-5	03/15/07	17	2	7-17	0.010	AEI
DW-6	03/15/07	17	2	7-17	0.010	AEI
DW-7	03/15/07	17	2	7-17	0.010	AEI
<b><i>Soil Borings</i></b>						
SB-1	03/14/06	16	--	--	--	AEI
SB-2	03/14/06	16	--	--	--	AEI
SB-3	03/14/06	16	--	--	--	AEI
SB-4	03/14/06	20	--	--	--	AEI
SB-5	03/14/06	16	--	--	--	AEI
<b><u>Notes</u></b>						
feet bgs = Feet below ground surface						
AEI = AEI Consultants			Well and boring information taken from a review of			
-- = Not applicable			boring logs provided on the State Water Resources			
			Control Board GeoTracker database.			

**TABLE 2**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
6310 Houston Place, Dublin, CA

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	DRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
DW-1	04/10/07	7.44	334.23	326.79	8,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	7.72	334.23	326.51	30,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/11/07	7.88	334.23	326.35	18,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/25/08	6.16	334.23	328.07	13,000	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	6.96	334.23	327.27	15,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	7.55	334.23	326.68	5,200	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	8.02	334.23	326.21	11,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	7.58	334.23	326.65	5,600	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	7.43	334.23	326.80	540	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	01/13/11	6.81	334.23	327.42	1,700	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	07/05/11	6.47	334.23	327.76	380	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	01/04/12	8.05	334.23	326.18	390	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	05/02/12	6.40	334.23	327.83	89,000	<500[3]	<500[3]	<500[3]	<500[3]	<500[3]	<4,000[3]
	05/14/12*	6.69	334.23	327.54	71	<25[3]	<25[3]	<25[3]	<25[3]	<25[3]	<200[3]
	05/14/12**	6.69	334.23	327.54	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	09/27/12	8.10	334.23	326.13	230	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
12/13/12	6.61	334.23	327.62	310	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/04/13	8.77	334.23	325.46	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
DW-2	04/10/07	7.09	334.00	326.91	8,200	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	7.40	334.00	326.60	34,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/11/07	7.55	334.00	326.45	14,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/25/08	5.89	334.00	328.11	17,000	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	6.63	334.00	327.37	27,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	7.25	334.00	326.75	16,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	7.74	334.00	326.26	11,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	7.23	334.00	326.77	6,900	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	7.40	334.00	326.60	550	<0.50	<0.50	<0.50	<0.50	<0.50	--
	01/13/11	6.27	334.00	327.73	7,500	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	07/05/11	6.12	334.00	327.88	210	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	01/04/12	7.77	334.00	326.23	1,600	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	05/02/12	6.06	334.00	327.94	23,000	<250[3]	<250[3]	<250[3]	<250[3]	<250[3]	<2,000[3]
	05/14/12*	6.39	334.00	327.61	450	<10[3]	<10[3]	<10[3]	<10[3]	<10[3]	<80[3]
	05/14/12**	6.39	334.00	327.61	260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	09/27/12	8.25	334.00	325.75	340	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
12/13/12	6.29	334.00	327.71	580	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/04/13	8.54	334.00	325.46	340	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

**TABLE 2**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
6310 Houston Place, Dublin, CA

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	DRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
DW-3	04/10/07	7.90	334.56	326.66	27,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	8.19	334.56	326.37	210,000	<0.5	<1.7	<1.7	<1.7	<1.7	--
	10/11/07	8.29	334.56	326.27	71,000	<25	<25	<25	<25	<0.5	--
	01/25/08	6.63	334.56	327.93	66,000	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	7.38	334.56	327.18	58,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	7.94	334.56	326.62	38,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	8.41	334.56	326.15	29,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	8.12	334.56	326.44	29,000	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	8.02	334.56	326.54	6,300	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	01/13/11	7.06	334.56	327.50	1,800	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	07/05/11	6.88	334.56	327.68	780	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	01/04/12	8.43	334.56	326.13	9,000	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	05/02/12	6.92	334.56	327.64	53,000	<250[3]	<250[3]	<250[3]	<250[3]	<250[3]	<2,000[3]
	05/14/12*	7.13	334.56	327.43	1,300	<25[3]	<25[3]	<25[3]	<25[3]	<25[3]	<200[3]
	05/14/12**	7.13	334.56	327.43	740	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	09/27/12	8.54	334.56	326.02	740	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
12/13/12	7.02	334.56	327.54	3,200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/04/13	9.13	334.56	325.43	440	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
DW-4	04/10/07	7.99	334.49	326.50	65	<0.5	<0.5	<0.5	<0.5	0.67	--
	07/12/07	8.22	334.49	326.27	300	<0.5	<0.5	<0.5	<0.5	0.87	--
	10/11/07	8.33	334.49	326.16	640	<0.5	<0.5	<0.5	<0.5	0.80	--
	01/25/08	6.62	334.49	327.87	240	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	7.39	334.49	327.10	340	<0.5	<0.5	<0.5	<0.5	0.94	--
	07/23/08	7.94	334.49	326.55	<50	<0.5	<0.5	<0.5	<0.5	0.94	--
	10/30/08	8.39	334.49	326.10	<50	<0.5	<0.5	<0.5	<0.5	0.92	--
	01/11/10	8.13	334.49	326.36	65	<1.0	<1.0	<1.0	<1.0	<5.0	--
	08/03/10	8.00	334.49	326.49	370	<0.50	<0.50	<0.50	<0.50	0.76	--
	01/13/11	7.08	334.49	327.41	370	<0.50	<0.50	<0.50	<0.50	0.74	<4.0[3]
	07/05/11	6.91	334.49	327.58	300	<0.50	<0.50	<0.50	<0.50	0.96	<2.0
	01/04/12	8.38	334.49	326.11	88	<0.50	<0.50	<0.50	<0.50	0.80	<2.0
	05/02/12	6.85	334.49	327.64	33,000	<100[3]	<100[3]	<100[3]	<100[3]	<100[3]	<800[3]
	05/14/12*	7.20	334.49	327.29	140	<10[3]	<10[3]	<10[3]	<10[3]	<10[3]	<80[3]
	Duplicate 05/14/12*	7.20	334.49	327.29	<50	<25[3]	<25[3]	<25[3]	<25[3]	<25[3]	<200[3]
	05/14/12**	7.20	334.49	327.29	110[4]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
05/14/12**	7.20	334.49	327.29	4,000[5]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/27/12	8.59	334.49	325.90	63	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	
12/13/12	7.06	334.49	327.43	<50	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	
11/04/13	9.16	334.49	325.33	72	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	

**TABLE 2**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
6310 Houston Place, Dublin, CA

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	DRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
DW-5	04/10/07	7.00	333.91	326.91	800	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	7.36	333.91	326.55	990	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/11/07	7.52	333.91	326.39	880	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/25/08	5.93	333.91	327.98	730	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	6.52	333.91	327.39	780	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	7.24	333.91	326.67	340	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	7.68	333.91	326.23	1,200	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	7.47	333.91	326.44	130	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	7.32	333.91	326.59	490[1,2]	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	01/13/11	6.23	333.91	327.68	470	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	07/05/11	6.12	333.91	327.79	220	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	01/04/12	7.72	333.91	326.19	380	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0[3]
	05/02/12	6.04	333.91	327.87	38,000	<250[3]	<250[3]	<250[3]	<250[3]	<250[3]	<2,000[3]
	05/14/12*	6.36	333.91	327.55	190	<50[3]	<50[3]	<50[3]	<50[3]	<50[3]	<400[3]
	05/14/12**	6.36	333.91	327.55	250[6]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	09/27/12	7.84	333.91	326.07	660	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
12/13/12	6.31	333.91	327.60	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/04/13	8.43	333.91	325.48	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
DW-6	04/10/07	8.62	334.99	326.37	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	8.81	334.99	326.18	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/11/07	8.53	334.99	326.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/25/08	7.16	334.99	327.83	<50	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	7.53	334.99	327.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	8.24	334.99	326.75	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	8.62	334.99	326.37	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	8.18	334.99	326.81	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	8.25	334.99	326.74	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	01/13/11	7.69	334.99	327.30	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	07/05/11	7.06	334.99	327.93	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	01/04/12	8.52	334.99	326.47	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	05/02/12	7.65	334.99	327.34	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	05/14/12	NM	334.99	NM				Not scheduled for sampling			
	09/27/12	8.54	334.99	326.45	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/13/12	7.26	334.99	327.73	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
11/04/13	9.40	334.99	325.59	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	



**TABLE 2**  
**GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY**  
6310 Houston Place, Dublin, CA

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	DRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	
DW-7	04/10/07	8.11	335.18	327.07	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	07/12/07	8.34	335.18	326.84	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	10/11/07	8.96	335.18	326.22	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	01/25/08	6.75	335.18	328.43	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	04/23/08	7.95	335.18	327.23	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	07/23/08	8.55	335.18	326.63	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	10/30/08	8.96	335.18	326.22	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	01/11/10	8.62	335.18	326.56	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	
	08/03/10	8.58	335.18	326.60	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	
	01/13/11	7.85	335.18	327.33	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	
	07/05/11	7.49	335.18	327.69	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	
	01/04/12	9.17	335.18	326.01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0[3]	
	05/02/12	7.46	335.18	327.72	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	
	05/14/12	NM		335.18	NM			Not scheduled for sampling				
	09/27/12	9.20	335.18	325.98	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/13/12	7.65	335.18	327.53	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/04/13	9.77	335.18	325.41	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		

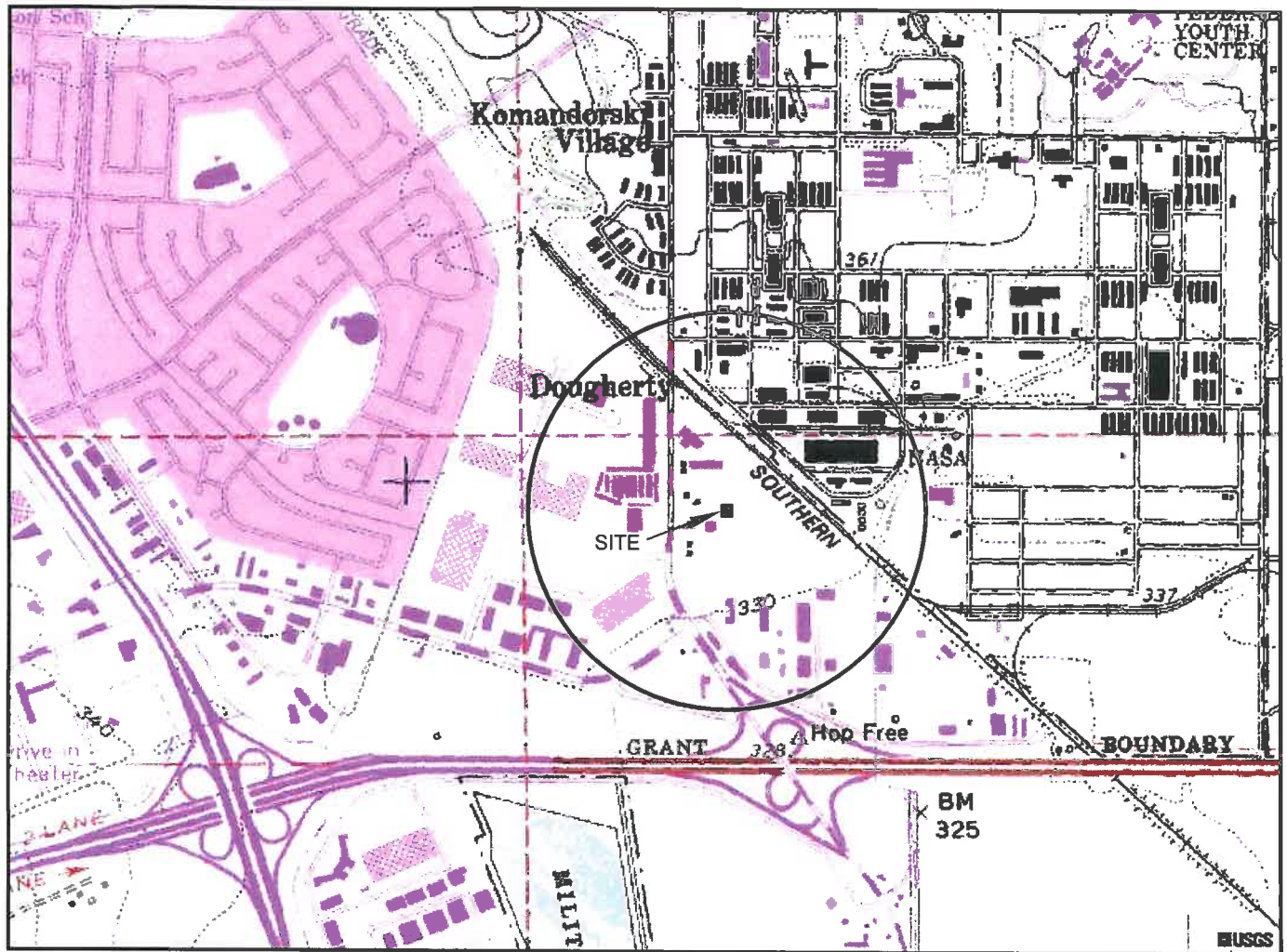
<p><u>Notes:</u></p> <p>Data through January 11, 2010, reported by AEI Consultants.</p> <p>Prior to 8/3/10, reported as TPH-D</p> <p>* = Sample was collected as a split grab sample. Sample was forwarded to Alpha Analytical.</p> <p>** = Sample was collected as a split grab sample. Sample was forwarded to Kiff Analytical.</p> <p>-- = Not analyzed</p> <p>NM = Not measured</p> <p>DRO = total petroleum hydrocarbons as diesel (C13-C-22)</p> <p>MTBE = methyl-tertiary butyl ether</p> <p>µg/L = micrograms per liter</p> <p>[1] = Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.</p> <p>[2] = DRO concentration may include contributions from heavier-end hydrocarbons that elute in the DRO range.</p> <p>[3] = Reporting limits were increased due to sample foaming.</p> <p>[4] = Discrete peaks in diesel range, atypical for diesel fuel.</p> <p>[5] = Hydrocarbons are higher-boiling than typical diesel fuel.</p> <p>[6] = Lower boiling hydrocarbons present, atypical for diesel fuel.</p>	<p><u>Analytical Laboratory / Method:</u></p> <p>Alpha Analytical Laboratory</p> <p>DRO by EPA Method 8015B</p> <p>All others by EPA Method 8260B</p>
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**TABLE 3**  
**GROUNDWATER ANALYTICAL - DISSOLVED METALS SUMMARY**  
6310 Houston Place, Dublin, California

Well Number	Date Collected	Cu (µg/L)	As (µg/L)	Cd (µg/L)	Ba (µg/L)	Cr <sup>+6</sup> (µg/L)	Cr (µg/L)	Fe (µg/L)	Se (µg/L)	Pb (µg/L)
DW-1	08/03/10	<10	9.4	<1.0	28	<1.0	6.8	7,300	<5.0	<5.0
	10/07/10	23	87	<1.0	21	1.6	17	5,200	<5.0	<5.0
	10/19/10	28	79	<1.0	20	<1.0	22	13,000	<5.0	6.3
	11/30/10	13	43.0	<1.0	32	<1.0	13	3,900	<5.0	<5.0
	01/13/11	49	41	<1.0	37	<1.0	72	35,000	<5.0	16
	05/09/12	<40	37	<4.0	<20	--	<20	1,200	<20	<20
	09/27/12	2.13	28.3	<1.0	11.6	<1.0	<1.0	94.6	<1.0	<1.0
	12/13/12	3.78	15.5	<1.0	20.8	<1.0	1.25	1,570	<1.0	<1.0
	11/04/13	2.47	9.92	<1.0	12.7	<1.0	<1.0	70	1.02	<1.0
DW-2	08/03/10	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/07/10	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/19/10	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/30/10	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/13/11	NS	NS	NS	NS	NS	NS	NS	NS	NS
	05/09/12	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/27/12	<1.0	43	<1.0	50.5	<1.0	<1.0	<50	<1.0	<1.0
	12/13/12	1.75	44.4	<1.0	35.6	<1.0	<1.0	1,910	<1.0	<1.0
	11/04/13	<1.0	38.3	<1.0	16	<1.0	<1.0	123	<1.0	<1.0
DW-3	08/03/10	<10	<2.0	<1.0	58	<1.0	<5.0	2,300	<5.0	<5.0
	10/07/10	13	6.4	<1.0	87	<1.0	6.3	2,600	<5.0	<5.0
	10/19/10	14	6.7	<1.0	96	<1.0	16	12,000	<5.0	<5.0
	11/30/10	<10	6.7	<1.0	76	<1.0	9.4	3,000	<5.0	<5.0
	01/13/11	14	5.4	<1.0	69	<1.0	29	16,000	<5.0	7.4
	05/09/12	<40	26	<4.0	62	--	<20	1,800	<20	<20
	09/27/12	<1.0	9.01	<1.0	62.9	<1.0	<1.0	410	<1.0	<1.0
	12/13/12	5.17	8.33	<1.0	77	<1.0	3.68	6,260	<1.0	1.37
	11/04/13	<1.0	10.7	<1.0	58	<1.0	<1.0	391	<1.0	<1.0
DW-4	08/03/10	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/07/10	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/19/10	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/30/10	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/13/11	NS	NS	NS	NS	NS	NS	NS	NS	NS
	05/09/12	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/27/12	2.07	11.7	<1.0	19.1	<1.0	<1.0	139	<1.0	<1.0
	12/13/12	3.74	11.7	<1.0	32.3	<1.0	2.02	3,420	1.14	<1.0
	11/04/13	1.57	31.5	<1.0	23.3	<1.0	<1.0	1,550	<1.0	<1.0

**TABLE 3**  
**GROUNDWATER ANALYTICAL - DISSOLVED METALS SUMMARY**  
6310 Houston Place, Dublin, California

Well Number	Date Collected	Cu (µg/L)	As (µg/L)	Cd (µg/L)	Ba (µg/L)	Cr <sup>+6</sup> (µg/L)	Cr (µg/L)	Fe (µg/L)	Se (µg/L)	Pb (µg/L)
DW-5	08/03/10	<10	5.8	<1.0	48	<1.0	<5.0	540	<5.0	<5.0
	10/07/10	11	5.1	<1.0	53	<1.0	<5.0	640	<5.0	<5.0
	10/19/10	69	5.1	<1.0	53	<1.0	<5.0	1,700	<5.0	<5.0
	11/30/10	<10	5.5	<1.0	55	<1.0	8.5	1,200	<5.0	<5.0
	01/13/11	11	4.9	<1.0	69	<1.0	19	8,800	<5.0	<5.0
	05/09/12	<40	17	<4.0	45	--	<20	3,600	<20	<20
	09/27/12	2.12	31.7	<1.0	29.4	<1.0	<1.0	72	<1.0	<1.0
	12/13/12	3.41	22.9	<1.0	40.2	<1.0	1.59	2,620	1.29	<1.0
	11/04/13	1.88	26	<1.0	40.8	<1.0	<1.0	1,200	<1.0	<1.0
DW-6	08/03/10	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/07/10	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/19/10	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/30/10	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/13/11	NS	NS	NS	NS	NS	NS	NS	NS	NS
	05/09/12	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/27/12	1.73	3.12	<1.0	70.7	2.4	2.47	<50	<1.0	<1.0
	12/13/12	6.02	4.16	<1.0	87.3	3.1	10.4	3,710	1.09	1.50
	11/04/13	2.27	4.43	<1.0	66.5	2.0	2.46	<50	1.54	<1.0
DW-7	08/03/10	<10	5.6	<1.0	45	<1.0	45	29,000	5.7	15
	10/07/10	71	5.7	<1.0	51	<1.0	92	57,000	<5.0	<5.0
	10/19/10	69	4.2	<1.0	49	<1.0	110	69,000	<5.0	<5.0
	11/30/10	23	<2.0	<1.0	50	<1.0	42	21,000	<5.0	<5.0
	01/13/11	32	6.0	<1.0	48	<1.0	79	36,000	7.8	12
	05/09/12	<40	34	<4.0	71	--	30	3,400	<20	<20
	09/27/12	1.95	3.1	<1.0	66.8	<1.0	<1.0	<50	<1.0	<1.0
	12/13/12	18.1	6.83	<1.0	189	<1.0	24.7	13,300	<1.0	6.42
	11/04/13	2.54	4.07	<1.0	51.8	<1.0	<1.0	<50	1.69	<1.0
<b>Notes:</b>		µg/L = micrograms per liter				Fe = Iron		<b>Analytical Laboratory / Method:</b>		
		Cu = Copper				Se = Selenium		Cr6+ = Kiff Analytical by EPA Method 218.6		
		As = Arsenic				Pb = Lead		Remaining Metals = Calscience Environmental		
		Cd = Cadmium				NS = Not Sampled		Laboratories by EPA method 200.8		
		Ba = Barium				--- = Not Analyzed				
		Cr = Chromium								
		Cr <sup>+6</sup> = Hexavalent Chromium								



GENERAL NOTES:  
 BASE MAP FROM U.S.G.S.  
 DUBLIN, CA.  
 7.5 MINUTE TOPOGRAPHIC  
 PHOTOREVISED 1989



QUADRANGLE LOCATION



APPROXIMATE SCALE

*STRATUS*  
 ENVIRONMENTAL, INC.

6310 HOUSTON PLACE  
 DUBLIN, CALIFORNIA

SITE LOCATION MAP

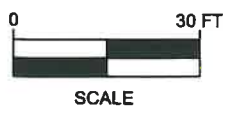
FIGURE

1

PROJECT NO.  
 2094-6310-01

REV November 25, 2013 Bay Co QF 11X17  
Bay Counties Quarterly JMP

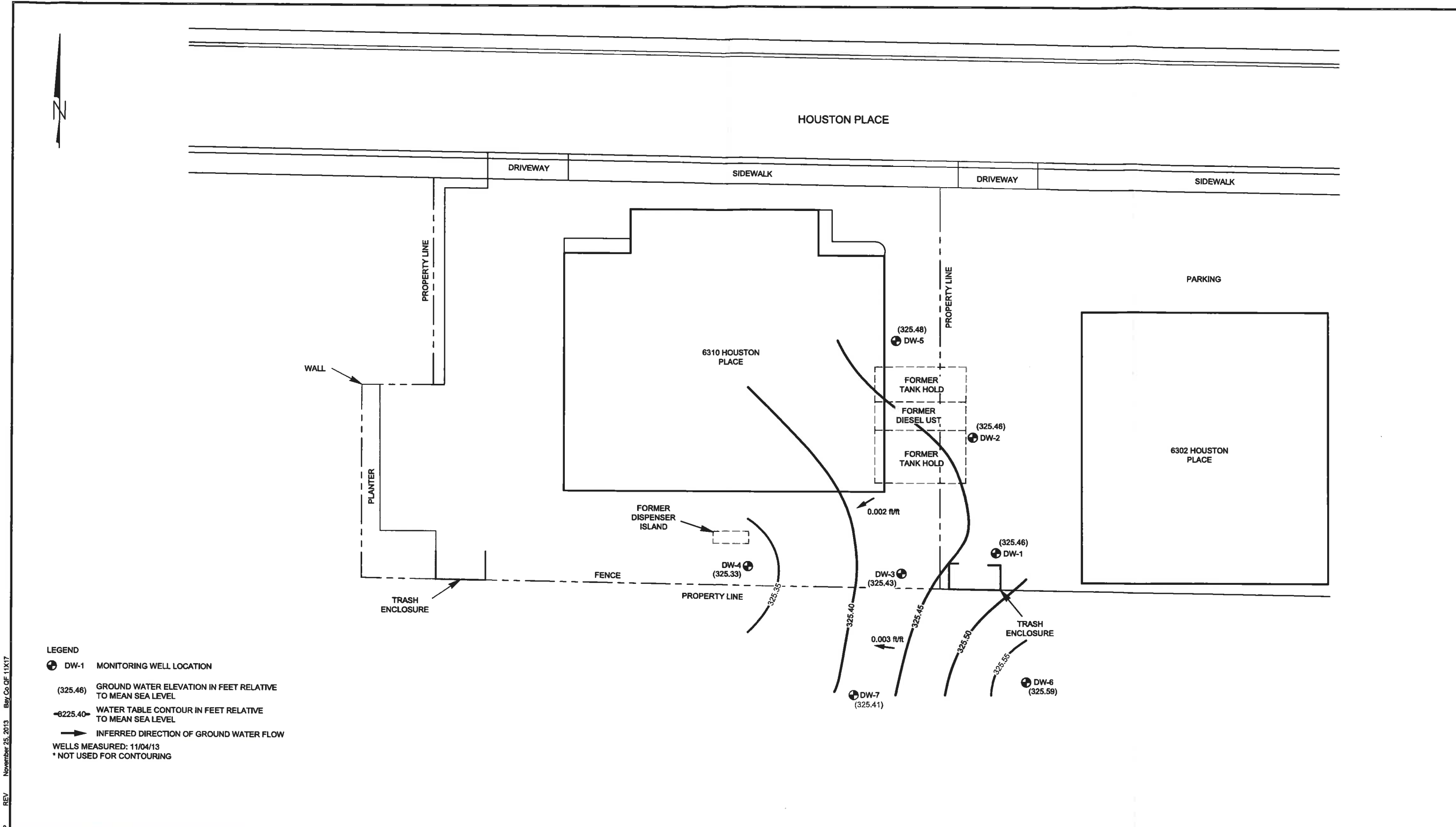
- LEGEND**
- DW-1 MONITORING WELL LOCATION
  - (325.46) GROUND WATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
  - 325.40 WATER TABLE CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL
  - INFERRED DIRECTION OF GROUND WATER FLOW
- WELLS MEASURED: 11/04/13  
\* NOT USED FOR CONTOURING

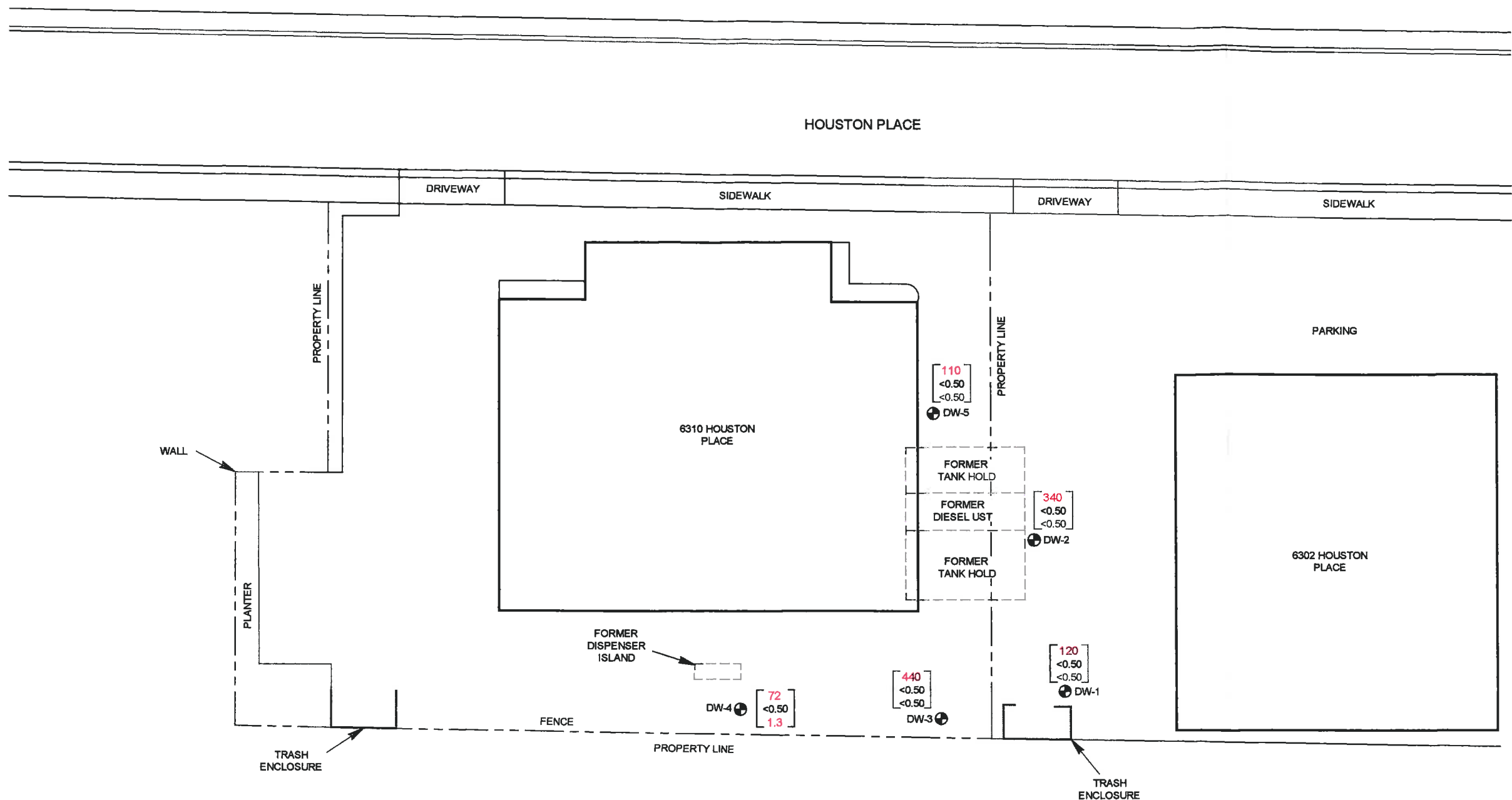


6310 HOUSTON PLACE  
DUBLIN, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP  
4th QUARTER 2013

FIGURE  
**2**  
PROJECT NO.  
2094-6310-01



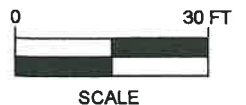


**LEGEND**

⊕ DW-1 MONITORING WELL LOCATION

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

WELLS SAMPLED 11/04/13  
 DRO ANALYZED BY EPA METHOD 8015B  
 BENZENE & MTBE ANALYZED BY EPA METHOD 8260B



**STRATUS**  
ENVIRONMENTAL, INC.

6310 HOUSTON PLACE  
DUBLIN, CALIFORNIA

GROUNDWATER ANALYTICAL SUMMARY  
4th QUARTER 2013

FIGURE  
**3**  
PROJECT NO.  
2094-6310-01

REV November 25, 2013 Bay Co QP 11X17

**APPENDIX A**  
**FIELD DATA SHEETS**







Site Address 6310 Houston Place  
 City Dublin  
 Sampled By: Carl Schulte  
 Signature [Signature]

Site Number Bay Counties  
 Project Number 20040681001  
 Project PM \_\_\_\_\_  
 DATE 11/04/13

Well ID <u>DW-1</u>					Well ID <u>DW-2</u>				
Purge start time			Odor <input checked="" type="radio"/> Y <input type="radio"/> N		Purge start time			Odor <input checked="" type="radio"/> Y <input type="radio"/> N	
time	Temp C	pH	cond	gallons	time	Temp C	pH	cond	gallons
0829	19.8	6.99	924 <sub>F</sub>	0	0842	22.5	7.40 <del>6.92</del>	692 <sub>F</sub>	0
0834	20.1	7.26	966	2	0845	23.0	7.46	615	2
1104	20.3	7.92	932	4	1137	22.5	7.93	567	4
purge stop time DC: 3.59			ORP 103		purge stop time DC: 3.04			ORP 38	
Well ID <u>DW-5</u>					Well ID <u>DW-3</u>				
Purge start time			Odor <input checked="" type="radio"/> Y <input type="radio"/> N		Purge start time			Odor <input checked="" type="radio"/> Y <input type="radio"/> N	
time	Temp C	pH	cond	gallons	time	Temp C	pH	cond	gallons
0853	21.5	7.28	745 <sub>F</sub>	0	0909	20.2	7.52	776 <sub>F</sub>	0
0857	21.4	7.35	736	1.5 <sub>g</sub>	0913	19.9	7.54	770	2
0901	21.4	7.33	732	3 <sub>g</sub>	1120	19.2	7.98	753	4
1210	20.8	7.70	673	4.5	purge stop time DC: 3.22			ORP 7	
purge stop time DC: 3.26			ORP 28		purge stop time DC: 3.42			ORP 24	
Well ID <u>DW-4</u>					Well ID <u>DW-7</u>				
Purge start time			Odor <input checked="" type="radio"/> Y <input type="radio"/> N		Purge start time			Odor <input type="radio"/> Y <input type="radio"/> N	
time	Temp C	pH	cond	gallons	time	Temp C	pH	cond	gallons
0921	20.3	7.54	766 <sub>F</sub>	0	0949	21.8	7.72	736 <sub>F</sub>	0
0924	20.3	7.35	747	2	0953	21.2	7.54	706	2
1154	20.1	7.52	700	4	1040	20.4	7.68	718	3.5
purge stop time DC: 3.14			ORP 9		purge stop time DC: 3.42			ORP 24	
Well ID <u>DW-6</u>					Well ID				
Purge start time			Odor <input type="radio"/> Y <input type="radio"/> N		Purge start time			Odor <input type="radio"/> Y <input type="radio"/> N	
time	Temp C	pH	cond	gallons	time	Temp C	pH	cond	gallons
1011	21.4	7.65	759 <sub>F</sub>	0					
1014	21.4	7.50	779	2					
1021	19.7	7.67	738	4					
purge stop time DC: 3.43			ORP 39		purge stop time			ORP	

**APPENDIX B**  
**SAMPLING AND ANALYSES PROCEDURES**

## **SAMPLING AND ANALYSIS PROCEDURES**

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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<sup>®</sup> 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<sup>®</sup> sheeting and plastic caps. The sample is then placed in a Ziploc<sup>®</sup> 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**





Report Number : 86424

Date : 11/07/2013

## Laboratory Results

Kasey Jones  
Stratus Environmental, Inc.  
3330 Cameron Park Drive, Suite 550  
Cameron Park, CA 95682

Subject : 7 Water Samples  
Project Name : Bay Counties Petroleum  
Project Number : 2094-6310-01

Dear Mr. Jones,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink that reads "Troy D. Turpen". The signature is written in a cursive, flowing style.

Troy Turpen



Report Number : 86424

Date : 11/07/2013

Project Name : **Bay Counties Petroleum**

Project Number : **2094-6310-01**

Sample : **DW-1**

Matrix : Water

Lab Number : 86424-01

Sample Date :11/04/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	< 1.0	1.0	ug/L	EPA 218.6	11/04/13 16:41
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 03:20
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 03:20
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 03:20
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 03:20
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 03:20
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 03:20
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	11/05/13 03:20
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/05/13 03:20
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	11/05/13 03:20
<b>TPH as Diesel (Silica Gel)</b>	<b>120</b>	<b>50</b>	ug/L	M EPA 8015	11/05/13 15:49
Octacosane (Silica Gel Surr)	93.3		% Recovery	M EPA 8015	11/05/13 15:49

Project Name : **Bay Counties Petroleum**

Project Number : **2094-6310-01**

Sample : **DW-2**

Matrix : Water

Lab Number : 86424-02

Sample Date :11/04/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	< 1.0	1.0	ug/L	EPA 218.6	11/04/13 16:48
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 03:54
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 03:54
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 03:54
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 03:54
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 03:54
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 03:54
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	11/05/13 03:54
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/05/13 03:54
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	11/05/13 03:54
<b>TPH as Diesel (Silica Gel)</b>	<b>340</b>	50	ug/L	M EPA 8015	11/05/13 16:18
Octacosane (Silica Gel Surr)	92.3		% Recovery	M EPA 8015	11/05/13 16:18

Project Name : **Bay Counties Petroleum**

Project Number : **2094-6310-01**

Sample : **DW-3**

Matrix : Water

Lab Number : 86424-03

Sample Date :11/04/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	< 1.0	1.0	ug/L	EPA 218.6	11/04/13 16:55
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 04:29
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 04:29
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 04:29
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 04:29
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 04:29
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	11/05/13 04:29
1,2-Dichloroethane-d4 (Surr)	99.4		% Recovery	EPA 8260B	11/05/13 04:29
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/05/13 04:29
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	11/05/13 04:29
<b>TPH as Diesel (Silica Gel)</b>	<b>440</b>	<b>50</b>	ug/L	M EPA 8015	11/05/13 16:48
Octacosane (Silica Gel Surr)	98.7		% Recovery	M EPA 8015	11/05/13 16:48

Project Name : **Bay Counties Petroleum**

Project Number : **2094-6310-01**

Sample : **DW-4**

Matrix : Water

Lab Number : 86424-04

Sample Date :11/04/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	< 1.0	1.0	ug/L	EPA 218.6	11/04/13 17:01
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:13
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:13
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:13
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:13
<b>Methyl-t-butyl ether (MTBE)</b>	<b>1.3</b>	0.50	ug/L	EPA 8260B	11/04/13 23:13
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:13
1,2-Dichloroethane-d4 (Surr)	99.9		% Recovery	EPA 8260B	11/04/13 23:13
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/04/13 23:13
4-Bromofluorobenzene (Surr)	94.6		% Recovery	EPA 8260B	11/04/13 23:13
<b>TPH as Diesel (Silica Gel)</b>	<b>72</b>	50	ug/L	M EPA 8015	11/05/13 17:17
Octacosane (Silica Gel Surr)	82.9		% Recovery	M EPA 8015	11/05/13 17:17

Project Name : **Bay Counties Petroleum**

Project Number : **2094-6310-01**

Sample : **DW-5**

Matrix : Water

Lab Number : 86424-05

Sample Date :11/04/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	< 1.0	1.0	ug/L	EPA 218.6	11/04/13 17:08
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:48
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:48
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:48
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:48
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:48
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:48
1,2-Dichloroethane-d4 (Surr)	99.5		% Recovery	EPA 8260B	11/04/13 23:48
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	11/04/13 23:48
4-Bromofluorobenzene (Surr)	93.5		% Recovery	EPA 8260B	11/04/13 23:48
<b>TPH as Diesel (Silica Gel)</b>	<b>110</b>	<b>50</b>	ug/L	M EPA 8015	11/05/13 17:46
Octacosane (Silica Gel Surr)	94.6		% Recovery	M EPA 8015	11/05/13 17:46

Project Name : **Bay Counties Petroleum**

Project Number : **2094-6310-01**

Sample : **DW-6**

Matrix : Water

Lab Number : 86424-06

Sample Date :11/04/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
<b>Hexavalent Chromium</b>	<b>2.0</b>	1.0	ug/L	EPA 218.6	11/04/13 17:15
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:18
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:18
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:18
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:18
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:18
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:18
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	11/04/13 23:18
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/04/13 23:18
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	11/04/13 23:18
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	11/05/13 18:16
Octacosane (Silica Gel Surr)	97.3		% Recovery	M EPA 8015	11/05/13 18:16



Report Number : 86424

Date : 11/07/2013

Project Name : **Bay Counties Petroleum**

Project Number : **2094-6310-01**

Sample : **DW-7**

Matrix : Water

Lab Number : 86424-07

Sample Date :11/04/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Hexavalent Chromium	< 1.0	1.0	ug/L	EPA 218.6	11/04/13 17:21
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:53
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:53
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:53
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:53
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:53
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	11/04/13 23:53
1,2-Dichloroethane-d4 (Surr)	99.6		% Recovery	EPA 8260B	11/04/13 23:53
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	11/04/13 23:53
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	11/04/13 23:53
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	11/05/13 18:45
Octacosane (Silica Gel Surr)	93.4		% Recovery	M EPA 8015	11/05/13 18:45



**QC Report : Method Blank Data**

Project Name : **Bay Counties Petroleum**

Project Number : **2094-6310-01**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	11/05/2013
Octacosane (Silica Gel Surr)	100		%	M EPA 8015	11/05/2013
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/04/2013
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/04/2013
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/04/2013
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/04/2013
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/04/2013
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	11/04/2013
1,2-Dichloroethane-d4 (Surr)	97.6		%	EPA 8260B	11/04/2013
4-Bromofluorobenzene (Surr)	93.7		%	EPA 8260B	11/04/2013
Toluene - d8 (Surr)	100		%	EPA 8260B	11/04/2013
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/04/2013
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/04/2013
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/04/2013
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/04/2013
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/04/2013
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	11/04/2013
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	11/04/2013
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	11/04/2013
Toluene - d8 (Surr)	101		%	EPA 8260B	11/04/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Hexavalent Chromium	<1.0	1.0	ug/L	EPA 218.6	11/04/2013

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : Bay Counties Petroleum

Project Number : 2094-6310-01

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
<b>Hexavalent Chromium</b>														
	86424-01	< 1.0	5.00	5.00	4.85	4.78	ug/L	EPA 218.6	11/4/13	97.0	95.6	1.40	90.0-110	10
<b>TPH-D (Si Gel)</b>														
	BLANK	<50	1000	1000	840	872	ug/L	M EPA 8015	11/5/13	84.0	87.2	3.83	70-130	25
<b>Benzene</b>														
	86412-10	<0.50	40.0	40.0	39.1	38.9	ug/L	EPA 8260B	11/4/13	97.7	97.2	0.549	70.0-130	25
<b>Ethylbenzene</b>														
	86412-10	<0.50	40.0	40.0	40.4	39.9	ug/L	EPA 8260B	11/4/13	101	99.8	1.20	70.0-130	25
<b>Methyl-t-butyl ether</b>														
	86412-10	1.7	39.9	39.9	40.9	40.7	ug/L	EPA 8260B	11/4/13	98.5	97.9	0.612	70.0-130	25
<b>Naphthalene</b>														
	86412-10	<0.50	40.0	40.0	36.1	36.1	ug/L	EPA 8260B	11/4/13	90.3	90.2	0.168	70.0-130	25
<b>P + M Xylene</b>														
	86412-10	<0.50	40.0	40.0	38.6	38.0	ug/L	EPA 8260B	11/4/13	96.6	94.9	1.78	70.0-130	25
<b>Toluene</b>														
	86412-10	<0.50	40.0	40.0	38.8	38.4	ug/L	EPA 8260B	11/4/13	96.9	96.0	1.00	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : Bay Counties Petroleum

Project Number : 2094-6310-01

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	86412-11	<0.50	40.0	40.0	40.4	39.5	ug/L	EPA 8260B	11/4/13	101	98.8	2.14	70.0-130	25
Ethylbenzene	86412-11	<0.50	40.0	40.0	38.6	37.7	ug/L	EPA 8260B	11/4/13	96.4	94.4	2.16	70.0-130	25
Methyl-t-butyl ether	86412-11	<0.50	39.9	39.9	41.0	41.3	ug/L	EPA 8260B	11/4/13	103	104	0.713	70.0-130	25
Naphthalene	86412-11	<0.50	40.0	40.0	39.2	39.0	ug/L	EPA 8260B	11/4/13	97.9	97.5	0.359	70.0-130	25
P + M Xylene	86412-11	<0.50	40.0	40.0	39.0	38.2	ug/L	EPA 8260B	11/4/13	97.4	95.6	1.88	70.0-130	25
Toluene	86412-11	<0.50	40.0	40.0	40.6	39.6	ug/L	EPA 8260B	11/4/13	102	99.1	2.47	70.0-130	25

## QC Report : Laboratory Control Sample (LCS)

Project Name : **Bay Counties Petroleum**Project Number : **2094-6310-01**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	39.8	ug/L	EPA 8260B	11/4/13	97.5	70.0-130
Ethylbenzene	39.8	ug/L	EPA 8260B	11/4/13	101	70.0-130
Methyl-t-butyl ether	39.7	ug/L	EPA 8260B	11/4/13	97.1	70.0-130
Naphthalene	39.8	ug/L	EPA 8260B	11/4/13	93.2	70.0-130
P + M Xylene	39.8	ug/L	EPA 8260B	11/4/13	98.8	70.0-130
Toluene	39.8	ug/L	EPA 8260B	11/4/13	97.7	70.0-130
Benzene	40.2	ug/L	EPA 8260B	11/4/13	101	70.0-130
Ethylbenzene	40.2	ug/L	EPA 8260B	11/4/13	96.2	70.0-130
Methyl-t-butyl ether	40.1	ug/L	EPA 8260B	11/4/13	102	70.0-130
Naphthalene	40.2	ug/L	EPA 8260B	11/4/13	99.8	70.0-130
P + M Xylene	40.2	ug/L	EPA 8260B	11/4/13	97.8	70.0-130
Toluene	40.2	ug/L	EPA 8260B	11/4/13	102	70.0-130
Hexavalent Chromium	5.00	ug/L	EPA 218.6	11/4/13	98.5	90.0-110



2795 2nd Street, Suite 300  
Davis, CA 95618  
Lab: 530.297.4800  
Fax: 530.297.4802

SRG # / Lab No.

86424

Page 1 of 1

Send Report To:  
Electronic Data Deliverable (EDD):  
 CA EDF  CA WriteOn  WA EIM  
Email Address:  
Company: Stratus Environmental  
 Excel  EQUIS (format)  Other

Address: 3330 Cameron Park Dr. Suite 550  
Global ID (for CA EDF use): 70600113164  
Phone Number: Fax Number:  
EDD Deliverable To (Email Address):

Project #: 2094-6310-01  
P.O. #:  
Sampling Company: Stratus  
Sampler Signature:

Project Name: Bay Counties Petroleum  
Invoice To:  
Project Address: 6310 Houston Place Dublin, CA

### Chain-of-Custody Record and Analysis Request

Sample Identification	Sampling		# of Containers				# Preserved			Matrix					
	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl vO4	HNO3	None	poly	Water	Soil	Air	Other (specify)
DW-1	11/04	1104	5	2				X	X			X			
DW-2		1137													
DW-3		1120													
DW-4		1154													
DW-5		1210													
DW-6		1021													
DW-7		1040													

TPH	8260B	524	Metals	SPECIAL	Other
<input type="checkbox"/> Gas (8260) <input type="checkbox"/> Gas (8015) <input checked="" type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other (specify): <u>8015M</u>	Enter: Benzene Toluene Ethylbenzene Total Xylenes MTBE	5 Oxygenates: MTBE DIPE ETBE TAME TBA 7 Oxygenates (5 Oxygenates plus): Ethanol Methanol Lead Scavenger: 1,2 DCA 1,2 EDB	Halogenated Volatile Organic Compounds (former 8010 list) Volatile Organic Compounds Full List Volatile Organics by EPA Method 524.2	Metals Group (Method: <input type="checkbox"/> CAM 17 <input type="checkbox"/> LUFT 5) Individual Metals (list and enter method): <u>dissolved</u> <u>Cu, As, Cd, Ba, Cr, Fe, Se, Pb (200.8)</u> <input type="checkbox"/> Nitrate as N <input type="checkbox"/> Nitrite as N <input type="checkbox"/> Ferrous Iron <input type="checkbox"/> Nitrate as NO3 <input type="checkbox"/> Nitrite as NO2	Chromium VI by EPA 7199 <u>naphthalene by 8260B</u> <u>Hex Chrome by 218.86</u>

For Lab Use Only

Relinquished by (signature/affiliation): stratus Date & Time: 11/04/13 1410  
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 Kiff Analytical (signature): Michelle Sperry Date & Time: 11/04/13 1422

Remarks and Special Instructions (composite, filter, MS/MSD, return samples, Silica Gel, etc.):  
Diesel by 8015M with Silica Gel Cleanup - Column Method

Turnaround Time (TAT - Check One):  
 Standard  4 Day  3 Day  2 Day  1 Day  Other: \_\_\_\_\_  
TAT in business days. Surcharge may apply. TAT for subcontracted work may vary.

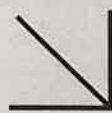


*Leaders In Analytical Science and Service*



# Subcontract Laboratory Report Attachments

2795 Second Street, Suite 300 Davis, CA 95618  
tel 530.297.4800 fax 530.297.4808  
[www.kiffanalytical.com](http://www.kiffanalytical.com)



# CALSCIENCE

WORK ORDER NUMBER: 13-11-0235

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

### Analytical Report For

**Client:** Kiff Analytical

**Client Project Name:** Bay Counties Petroleum

**Attention:** Joel Kiff

2795 2nd Street, Suite 300  
Davis, CA 95618-6505

*Amanda Porter*

Approved for release on 11/11/2013 by:  
Amanda Porter  
Project Manager

ResultLink ▶

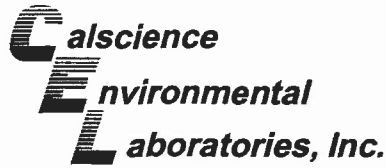
Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.







# Contents

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Client Project Name: Bay Counties Petroleum  
Work Order Number: 13-11-0235

1	Work Order Narrative. . . . .	3
2	Client Sample Data. . . . .	4
	2.1 EPA 200.8 ICP/MS Metals (Aqueous). . . . .	4
3	Quality Control Sample Data. . . . .	7
	3.1 MS/MSD. . . . .	7
	3.2 LCS/LCSD. . . . .	8
4	Sample Analysis Summary. . . . .	9
5	Glossary of Terms and Qualifiers. . . . .	10
6	Chain of Custody/Sample Receipt Form. . . . .	11

**Work Order Narrative**

Work Order: 13-11-0235

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain of Custody (COC) on 11/05/13. They were assigned to Work Order 13-11-0235.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

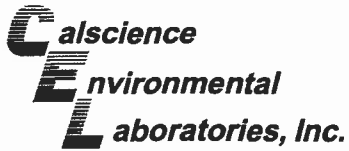
**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



## Analytical Report

Kiff Analytical  
2795 2nd Street, Suite 300  
Davis, CA 95618-6505

Date Received: 11/05/13  
Work Order: 13-11-0235  
Preparation: Filtered  
Method: EPA 200.8  
Units: mg/L

Project: Bay Counties Petroleum

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DW-1	13-11-0235-1-A	11/04/13 11:04	Aqueous	ICP/MS 04	11/05/13	11/06/13 13:31	131105L01F

Parameter	Result	RL	DF	Qualifiers
Arsenic	0.00992	0.00100	1	
Barium	0.0127	0.00100	1	
Cadmium	ND	0.00100	1	
Chromium	ND	0.00100	1	
Copper	0.00247	0.00100	1	
Lead	ND	0.00100	1	
Selenium	0.00102	0.00100	1	
Iron	0.0700	0.0500	1	

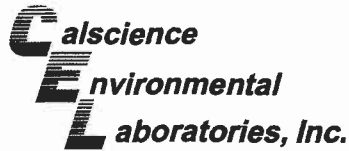
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DW-2	13-11-0235-2-A	11/04/13 11:37	Aqueous	ICP/MS 04	11/05/13	11/06/13 13:34	131105L01F

Parameter	Result	RL	DF	Qualifiers
Arsenic	0.0383	0.00100	1	
Barium	0.0160	0.00100	1	
Cadmium	ND	0.00100	1	
Chromium	ND	0.00100	1	
Copper	ND	0.00100	1	
Lead	ND	0.00100	1	
Selenium	ND	0.00100	1	
Iron	0.123	0.0500	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DW-3	13-11-0235-3-A	11/04/13 11:20	Aqueous	ICP/MS 04	11/05/13	11/06/13 13:38	131105L01F

Parameter	Result	RL	DF	Qualifiers
Arsenic	0.0107	0.00100	1	
Barium	0.0580	0.00100	1	
Cadmium	ND	0.00100	1	
Chromium	ND	0.00100	1	
Copper	ND	0.00100	1	
Lead	ND	0.00100	1	
Selenium	ND	0.00100	1	
Iron	0.391	0.0500	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Kiff Analytical  
2795 2nd Street, Suite 300  
Davis, CA 95618-6505

Date Received: 11/05/13  
Work Order: 13-11-0235  
Preparation: Filtered  
Method: EPA 200.8  
Units: mg/L

Project: Bay Counties Petroleum

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DW-4	13-11-0235-4-A	11/04/13 11:54	Aqueous	ICP/MS 04	11/05/13	11/06/13 13:41	131105L01F

Parameter	Result	RL	DF	Qualifiers
Arsenic	0.0315	0.00100	1	
Barium	0.0233	0.00100	1	
Cadmium	ND	0.00100	1	
Chromium	ND	0.00100	1	
Copper	0.00157	0.00100	1	
Lead	ND	0.00100	1	
Selenium	ND	0.00100	1	
Iron	1.55	0.0500	1	

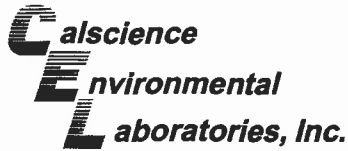
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DW-5	13-11-0235-5-A	11/04/13 12:10	Aqueous	ICP/MS 04	11/05/13	11/06/13 13:44	131105L01F

Parameter	Result	RL	DF	Qualifiers
Arsenic	0.0260	0.00100	1	
Barium	0.0408	0.00100	1	
Cadmium	ND	0.00100	1	
Chromium	ND	0.00100	1	
Copper	0.00188	0.00100	1	
Lead	ND	0.00100	1	
Selenium	ND	0.00100	1	
Iron	1.20	0.0500	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DW-6	13-11-0235-6-A	11/04/13 10:21	Aqueous	ICP/MS 04	11/05/13	11/06/13 13:48	131105L01F

Parameter	Result	RL	DF	Qualifiers
Arsenic	0.00443	0.00100	1	
Barium	0.0665	0.00100	1	
Cadmium	ND	0.00100	1	
Chromium	0.00246	0.00100	1	
Copper	0.00227	0.00100	1	
Lead	ND	0.00100	1	
Selenium	0.00154	0.00100	1	
Iron	ND	0.0500	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Kiff Analytical  
2795 2nd Street, Suite 300  
Davis, CA 95618-6505

Date Received: 11/05/13  
Work Order: 13-11-0235  
Preparation: Filtered  
Method: EPA 200.8  
Units: mg/L

Project: Bay Counties Petroleum

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DW-7	13-11-0235-7-A	11/04/13 10:40	Aqueous	ICP/MS 04	11/05/13	11/06/13 13:51	131105L01F

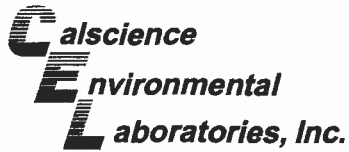
Parameter	Result	RL	DF	Qualifiers
Arsenic	0.00407	0.00100	1	
Barium	0.0518	0.00100	1	
Cadmium	ND	0.00100	1	
Chromium	ND	0.00100	1	
Copper	0.00254	0.00100	1	
Lead	ND	0.00100	1	
Selenium	0.00169	0.00100	1	
Iron	ND	0.0500	1	

Method Blank	099-16-094-67	N/A	Aqueous	ICP/MS 04	11/05/13	11/05/13 13:26	131105L01F
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Parameter	Result	RL	DF	Qualifiers
Arsenic	ND	0.00100	1	
Barium	ND	0.00100	1	
Cadmium	ND	0.00100	1	
Chromium	ND	0.00100	1	
Copper	ND	0.00100	1	
Lead	ND	0.00100	1	
Selenium	ND	0.00100	1	
Iron	ND	0.0500	1	

Return to Contents ↑

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Quality Control - Spike/Spike Duplicate

Kiff Analytical  
2795 2nd Street, Suite 300  
Davis, CA 95618-6505

Date Received: 11/05/13  
Work Order: 13-11-0235  
Preparation: N/A  
Method: EPA 200.8

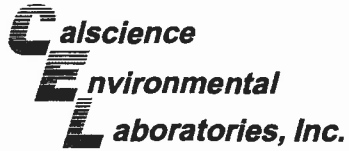
Project: Bay Counties Petroleum

Page 1 of 1

Quality Control Sample ID	Matrix		Instrument		Date Prepared	Date Analyzed	MS/MSD Batch Number			
13-11-0196-1	Aqueous		ICP/MS 04		11/05/13	11/05/13 16:02	131105S01A			
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	0.002521	0.1000	0.1080	105	0.1074	105	80-120	1	0-20	
Barium	0.03653	0.1000	0.1404	104	0.1413	105	80-120	1	0-10	
Cadmium	ND	0.1000	0.09754	98	0.09857	99	80-120	1	0-20	
Chromium	ND	0.1000	0.1124	112	0.1085	108	80-120	4	0-20	
Copper	0.03304	0.1000	0.1402	107	0.1404	107	80-120	0	0-20	
Lead	ND	0.1000	0.1119	112	0.1130	113	80-120	1	0-20	
Selenium	0.002751	0.1000	0.09485	92	0.09036	88	80-120	5	0-20	
Iron	0.2742	5.100	5.624	105	5.752	107	80-120	2	0-20	


  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - LCS

Kiff Analytical  
2795 2nd Street, Suite 300  
Davis, CA 95618-6505

Date Received: 11/05/13  
Work Order: 13-11-0235  
Preparation: Filtered  
Method: EPA 200.8

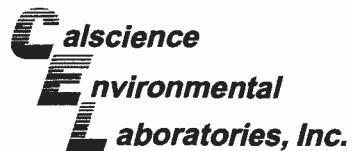
Project: Bay Counties Petroleum

Page 1 of 1

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number	
099-16-094-67	Aqueous	ICP/MS 04	11/05/13 13:30	131105L01F	
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Arsenic	0.1000	0.1013	101	80-120	
Barium	0.1000	0.09594	96	80-120	
Cadmium	0.1000	0.1025	103	80-120	
Chromium	0.1000	0.1078	108	80-120	
Copper	0.1000	0.1114	111	80-120	
Lead	0.1000	0.1021	102	80-120	
Selenium	0.1000	0.1001	100	80-120	
Iron	5.100	5.177	102	80-120	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



## Sample Analysis Summary Report

Work Order: 13-11-0235

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 200.8	Filtered	43	ICP/MS 04	1

Return to Contents 

Location 1: 7440 Lincoln Way, Garden Grove, CA 92841



## Glossary of Terms and Qualifiers

Work Order: 13-11-0235

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



2795 Second Street, Suite 300  
 Davis, CA 95618  
 Lab: 530.297.4800  
 Fax: 530.297.4808

Calscience  
 7440 Lincoln Way  
 Garden Grove, CA 92841-1427  
 714-895-5494

**13-11-0235**

COC No. **86424** Page 1 of 1

Project Contact (Hardcopy or PDF to): **Scott Forbes** EDF Report? **YES** Chain-of-Custody Record and Analysis Request

Company/Address: **Kiff Analytical** Recommended but not mandatory to complete this section: Analysis Request TAT

Phone No.: **530-297-4800** FAX No.: **530-297-4808** Global ID: **T0600113164**

Project Number: **2094-6310-01** P.O. No.: **86424** Deliverables to (Email Address): **inbox@kiffanalytical.com**

Project Name: **Bay Counties Petroleum** Container / Preservative Matrix

Project Address: Sampling

Sample Designation Date Time 250ml Poly None Water ICP-MS 200.8 Dissolved (1) 4-Days For Lab Use Only

DW-1 11/04/13 11:04 1 X X X /

DW-2 11/04/13 11:37 1 X X 2

DW-3 11/04/13 11:20 1 X X 3

DW-4 11/04/13 11:54 1 X X 4

DW-5 11/04/13 12:10 1 X X 5

DW-6 11/04/13 10:21 1 X X 6

DW-7 11/04/13 10:40 1 X X 7

Relinquished by: *[Signature]* **KIFF Analytical LLC** Date: **11/04/13** Time: **1700** Received by: Remarks: Please refer to attached Test Detail.

Relinquished by: Date: Time: Received by:

Relinquished by: **(Ontrace)** Date: **11/5/13** Time: **0930** Received by Laboratory: *[Signature]* Bill to: Accounts Payable

Page 11 of 14

## Test Detail for Kiff Work Order: 86424

### ICP-MS 200.8 Dissolved (1)

Arsenic, Dissolved  
Barium, Dissolved  
Cadmium, Dissolved  
Chromium, Dissolved  
Copper, Dissolved  
Iron, Dissolved  
Lead, Dissolved  
Selenium, Dissolved

0235



**800.334.5000**  
**ontrac.com**



D10010630920993

0235

Date Printed 11/4/2013

Tracking#D10010630920993

*Shipped From:*  
KIFF ANALYTICAL  
2795 2ND STREET 300  
DAVIS, CA 95618

*Sent By:* SAMPLE RECEIVINGX125  
*Phone#:* (530)297-4800  
*wgt(lbs):* 25  
*Reference:* SUBS  
*Reference 2:* 600

<p><i>Ship To Company:</i> <b>CALSCIENCE ENVIRONMENTAL LABS</b> <b>7440 LINCOLN WAY</b> <b>GARDEN GROVE, CA 92841</b> <b>SAMPLE RECEIVING (714)895-5494</b></p>	<p><i>Service:</i> <b>S</b> <i>Sort Code:</i> <b>ORG</b> <i>Special Services:</i> <b>Signature Required</b></p>
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↑  
Return to Contents

WORK ORDER #: **13-11-0235**

**SAMPLE RECEIPT FORM**

Cooler   /   of   /  

CLIENT:   Kiff  

DATE:   11 / 05 / 13  

**TEMPERATURE:** Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature   1   .   9   °C - 0.2 °C (CF) =   1   .   7   °C     Blank     Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

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

Ambient Temperature:     Air     Filter    Checked by:   836  

**CUSTODY SEALS INTACT:**

Cooler     \_\_\_\_\_     No (Not Intact)     Not Present     N/A    Checked by:   836  

Sample     \_\_\_\_\_     No (Not Intact)     Not Present    Checked by:   895  

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels. <input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

Solid:     4ozCGJ     8ozCGJ     16ozCGJ     Sleeve (\_\_\_\_)     EnCores®     TerraCores®     \_\_\_\_\_

Aqueous:     VOA     VOAh     VOAna<sub>2</sub>     125AGB     125AGBh     125AGBp     1AGB     1AGBna<sub>2</sub>     1AGBs

500AGB     500AGJ     500AGJs     250AGB     250CGB     250CGBs     1PB     1PBna     500PB

250PB     250PBn     125PB     125PBzanna     100PJ     100PJna<sub>2</sub>     \_\_\_\_\_     \_\_\_\_\_     \_\_\_\_\_

Air:     Tedlar®     Canister    Other:     \_\_\_\_\_    Trip Blank Lot#: \_\_\_\_\_    Labeled/Checked by:   895  

Container:    C: Clear    A: Amber    P: Plastic    G: Glass    J: Jar    B: Bottle    Z: Ziploc/Resealable Bag    E: Envelope    Reviewed by:   739  

Preservative:    h: HCL    n: HNO<sub>3</sub>    na<sub>2</sub>: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>    na: NaOH    p: H<sub>3</sub>PO<sub>4</sub>    s: H<sub>2</sub>SO<sub>4</sub>    u: Ultra-pure    zanna: ZnAc<sub>2</sub>+NaOH    f: Filtered    Scanned by:   739  

Return to Contents

**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!

<b><u>Submittal Type:</u></b>	GEO_WELL
<b><u>Report Title:</u></b>	4Q13 Geowell 11-4-13
<b><u>Facility Global ID:</u></b>	T0600113164
<b><u>Facility Name:</u></b>	BAY COUNTIES PETROLEUM
<b><u>File Name:</u></b>	GEO_WELL.zip
<b><u>Organization Name:</u></b>	Stratus Environmental, Inc.
<b><u>Username:</u></b>	STRATUS NOCAL
<b><u>IP Address:</u></b>	50.192.223.97
<b><u>Submittal Date/Time:</u></b>	11/14/2013 10:49:00 AM
<b><u>Confirmation Number:</u></b>	<b>4804803073</b>

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UPLOADING A EDF FILE

## SUCCESS

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<b><u>Submittal Type:</u></b>	EDF
<b><u>Report Title:</u></b>	4Q13 Analytical 11-4-13
<b><u>Report Type:</u></b>	Monitoring Report - Quarterly
<b><u>Facility Global ID:</u></b>	T0600113164
<b><u>Facility Name:</u></b>	BAY COUNTIES PETROLEUM
<b><u>File Name:</u></b>	EDF_BayCountiesPetroleum_86424.ZIP
<b><u>Organization Name:</u></b>	Stratus Environmental, Inc.
<b><u>Username:</u></b>	STRATUS NOCAL
<b><u>IP Address:</u></b>	50.192.223.97
<b><u>Submittal Date/Time:</u></b>	11/25/2013 10:19:59 AM
<b><u>Confirmation Number:</u></b>	<b>2094010829</b>

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STATE WATER RESOURCES CONTROL BOARD  
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## UPLOADING A EDF FILE

**SUCCESS**

Processing is complete. No errors were found!  
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<b><u>Submittal Type:</u></b>	EDF
<b><u>Report Title:</u></b>	4Q13 Analytical Metals 11-4-13
<b><u>Report Type:</u></b>	Monitoring Report - Quarterly
<b><u>Facility Global ID:</u></b>	T0600113164
<b><u>Facility Name:</u></b>	BAY COUNTIES PETROLEUM
<b><u>File Name:</u></b>	13110235.zip
<b><u>Organization Name:</u></b>	Stratus Environmental, Inc.
<b><u>Username:</u></b>	STRATUS NOCAL
<b><u>IP Address:</u></b>	50.192.223.97
<b><u>Submittal Date/Time:</u></b>	12/10/2013 2:11:06 PM
<b><u>Confirmation Number:</u></b>	<b>5830926120</b>

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