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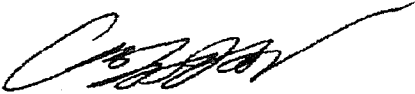
Mr. Paresh Khatri  
Alameda County Environmental Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502

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

Dear Mr. Khatri:

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

March 15, 2011  
Project No. 2094-6310-01

Mr. Paresh Khatri  
Alameda County Environmental Health Department  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502

Re: **Quarterly Monitoring and Sampling Report – First Quarter 2011**  
6310 Houston Place, Dublin, California 94568  
ACEHD Case No. RO0002862, GeoTracker ID T0600113164

Dear Mr. Khatri:

Stratus Environmental, Inc. (Stratus) is submitting the attached report, which presents an update of work performed during the first quarter 2011 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.

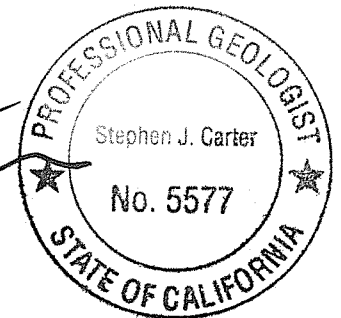
If you have any questions regarding this project, please contact Mr. Steve Carter at (530) 676-6008.

Sincerely,

**STRATUS ENVIRONMENTAL, INC.**

Kasey Jones  
Project Manager

Stephen J. Carter, P.G.  
Senior Geologist



Attachment: Quarterly Monitoring and Sampling Report, First Quarter 2011

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

## QUARTERLY MONITORING AND SAMPLING REPORT

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

### WORK PERFORMED THIS QUARTER (First Quarter 2011):

1. On January 13, 2011, Stratus conducted the first quarter 2011 semi-annual groundwater monitoring sampling event. Prior to sampling, all wells were gauged for depth to water, temperature, pH, conductivity, dissolved oxygen (DO) and oxygen-reduction potential (ORP). Groundwater samples were collected and 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.
2. In addition to the regular analytical suite, wells DW-1, DW-3, DW-5 and DW-7 were also analyzed for inorganics as part of the in-situ chemical oxidation pilot test.
3. Stratus prepared and submitted a *Pilot Test Report* to ACEHD on February 24, 2011 detailing the results of the chemical oxidation pilot test conducted at the site.

### WORK PROPOSED FOR NEXT QUARTER (Second Quarter 2011):

1. Based on a letter from ACEHD, dated July 27, 2009, the frequency of groundwater monitoring and sampling for all wells has been reduced to semi-annual (1<sup>st</sup> and 3<sup>rd</sup> quarters). No groundwater monitoring or sampling is planned for second quarter 2011. The next monitoring and sampling event is scheduled for third quarter 2011.
2. Based on the results of the pilot study and previous work performed at the site, Stratus has recommended the site be considered for low-risk closure. Additional investigation and remediation activities are not planned at the site pending review of the *Pilot Test Report* and comments from ACEHD.

Current Phase of Project:	Groundwater Monitoring; Feasibility Testing
Frequency of Groundwater Monitoring and Sampling:	All Wells = Semi-annual (1 <sup>st</sup> and 3 <sup>rd</sup> )
Groundwater Sampling Date:	January 13, 2011
Is Free Product (FP) Present on Site:	No (Sheen noted in DW-1, DW-2 and DW-3)
Approximate Depth to Groundwater:	6.23 to 7.85 feet below top of well casing.
Groundwater Flow Direction / Gradient:	South-southwest / 0.004 ft/ft

## DISCUSSION:

On January 13, 2011, Stratus conducted the first quarter 2011 semi-annual groundwater monitoring sampling event. Prior to sampling, all wells were gauged for depth to water, temperature, pH, conductivity, DO and ORP. Sheen was noted in onsite wells DW-1, DW-2 and DW-3. Groundwater samples were analyzed at a state-certified analytical laboratory for diesel range organics (DRO), by EPA Method SW8015B/DHS LUFT Manual, and for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tert-butyl ether (MTBE), and Naphthalene by EPA Method SW8260B. As part of the approved *Corrective Action Pilot Test Work Plan*, dated March 19, 2008, groundwater samples, from select wells, were also analyzed for copper (Cu), arsenic (As), cadmium (Cd), barium (Ba), total chromium (Cr), total Iron (Fe), Selenium (Se) and lead (Pb) by EPA Method 200.8 and for hexavalent chromium (Cr<sup>6+</sup>) by EPA Method 7199. Tabulated historical groundwater elevation data/analytical results are summarized in Tables 1 and 2.

At the time of the January 13, 2011 groundwater monitoring event, depth to groundwater was measured at 6.23 to 7.85 feet below ground surface (bgs) in all monitoring wells. 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 is to the south-southwest with an average gradient of 0.004 ft/ft. Flow direction and gradient appear consistent with previous monitoring events.

Concentrations of BTEX or Naphthalene were not reported in any of the sampled wells during first quarter 2011. DRO was reported in onsite wells DW-1 (1,700 micrograms per liter (µg/L)), DW-2 (7,500 µg/L), DW-3 (1,800 µg/L), DW-4 (370 µg/L), and DW-5 (470 µg/L). Very low concentrations of MTBE were also reported in onsite well DW-4 (0.74 µg/L). No concentrations of any sampled analytes were reported in offsite wells (DW-6 and DW-7) during first quarter 2011. Tabulated groundwater analytical data are summarized in Table 1. Certified Analytical results are presented in Appendix C. DRO, benzene, and MTBE concentrations for groundwater samples collected during the first quarter 2011 are presented in Figure 3. Groundwater elevation and analytical data have been uploaded to the State of California's GeoTracker database. Documentation of completion of these data uploads are provided in Appendix D.

## ATTACHMENTS:

- Table 1 Groundwater Elevation and Analytical Summary
- Table 2 Groundwater Analytical – Dissolved Metals Summary
- Table 3 Historical Groundwater Data Summary
- Figure 1 Site Location Map
- Figure 2 Groundwater Elevation Contour Map
- Figure 3 Groundwater Analytical Summary
- 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**  
**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
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
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

**TABLE 1**  
**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-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]
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
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

**TABLE 1**  
**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

Notes:

\*Data through January 11, 2010, reported by AEI Consultants.

\*\*Prior to 8/3/10, reported as TPH-D

DRO = total petroleum hydrocarbons as diesel (C13-C-22)

MTBE = methyl-tertiary butyl ether

µg/L = micrograms per liter

[1] = reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.

[2] = DRO concentration may include contributions from heavier-end hydrocarbons that elute in the DRO range.

[3] = Reporting limits were increased due to sample foaming.

-- = Not analyzed

**TABLE 2**  
**GROUNDWATER ANALYTICAL - DISSOLVED METALS SUMMARY**  
6310 Houston Place, Dublin, CA

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
	01/13/11	49	41	<1.0	37	<1.0	72	35,000	<5.0	16
DW-2	08/03/10	--	--	--	--	--	--	--	--	--
	01/13/11	--	--	--	--	--	--	--	--	--
DW-3	08/03/10	<10	<2.0	<1.0	58	<1.0	<5.0	2,300	<5.0	<5.0
	01/13/11	14	5.4	<1.0	69	<1.0	29	16,000	<5.0	7.4
DW-4	08/03/10	--	--	--	--	--	--	--	--	--
	01/13/11	--	--	--	--	--	--	--	--	--
DW-5	08/03/10	<10	5.8	<1.0	48	<1.0	<5.0	540	<5.0	<5.0
	01/13/11	11	4.9	<1.0	69	<1.0	19	8,800	<5.0	<5.0
DW-6	08/03/10	--	--	--	--	--	--	--	--	--
	01/13/11	--	--	--	--	--	--	--	--	--
DW-7	08/03/10	<10	5.6	<1.0	45	<1.0	45	29,000	5.7	15
	01/13/11	32	6.0	<1.0	48	<1.0	79	36,000	7.8	12

**Notes:**  
µg/L = micrograms per liter  
Cu = Copper  
As = Arsenic  
Cd = Cadmium  
Ba = Barium  
Cr = Chromium  
Cr<sup>+6</sup> = Hexavalent Chromium  
Fe = Iron  
Se = Selenium  
Pb = Lead  
-- = Not analyzed



**TABLE 2**  
**GROUNDWATER ANALYTICAL - DISSOLVED METALS SUMMARY**  
 6310 Houston Place, Dublin, CA

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	<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
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
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	<10	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
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	5.9	25
	10/19/10	69	4.2	<1.0	49	<1.0	110	69,000	7.4	26
	11/30/10	23	<2.0	<1.0	50	<1.0	42	21,000	5.1	7.6
	01/13/11	32	6.0	<1.0	48	<1.0	79	36,000	7.8	12

Notes:

µg/L = micrograms per liter

Cu = Copper

As = Arsenic

Cd = Cadmium

Ba = Barium

Cr = Chromium

Cr<sup>+6</sup> = Hexavalent Chromium

Fe = Iron

Se = Selenium

Pb = Lead

-- = Not analyzed

**TABLE 3**  
**HISTORICAL GROUNDWATER DATA SUMMARY**  
6310 Houston Place, Dublin, CA

Well Number	Date Collected	TPH-G (µ/L)	TPH-MO (µ/L)	TAME (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	Ethanol (µg/L)	Methanol (µg/L)
DW-1	04/10/07	100	2800	<0.5	<5.0	<0.5	<0.5	<50	<500
	07/12/07	100	--	--	--	--	--	--	--
	10/11/07	<50	--	--	--	--	--	--	--
DW-2	04/10/07	180	<5,000	<0.5	<5.0	<0.5	<0.5	<50	<500
	07/12/07	120	--	--	--	--	--	--	--
	10/11/07	<50	--	--	--	--	--	--	--
DW-3	04/10/07	220	9200	<0.5	<5.0	<0.5	<0.5	<50	<500
	07/12/07	2,200	--	--	--	--	--	--	--
	10/11/07	18,000	--	--	--	--	--	--	--
DW-4	04/10/07	<50	<250	<0.5	<5.0	<0.5	<0.5	<50	<500
	07/12/07	<50	--	--	--	--	--	--	--
	10/11/07	<50	--	--	--	--	--	--	--
DW-5	04/10/07	<50	320	<0.5	<5.0	<0.5	<0.5	<50	<500
	07/12/07	<50	--	--	--	--	--	--	--
	10/11/07	<50	--	--	--	--	--	--	--
DW-6	04/10/07	<50	<250	<0.5	<5.0	<0.5	<0.5	<50	<500
	07/12/07	<50	--	--	--	--	--	--	--
	10/11/07	<50	--	--	--	--	--	--	--
DW-7	04/10/07	<50	<250	<0.5	<5.0	<0.5	<0.5	<50	<500
	07/12/07	<50	--	--	--	--	--	--	--
	10/11/07	<50	--	--	--	--	--	--	--

**Notes:**

\*Data through January 11, 2010, reported by AEI Consultants.

µg/L = micrograms per liter

TPH-G = total petroleum hydrocarbons as galoline (C6-C12)

TPH-MO = total petroleum hydrocarbons as motor oil (C18)

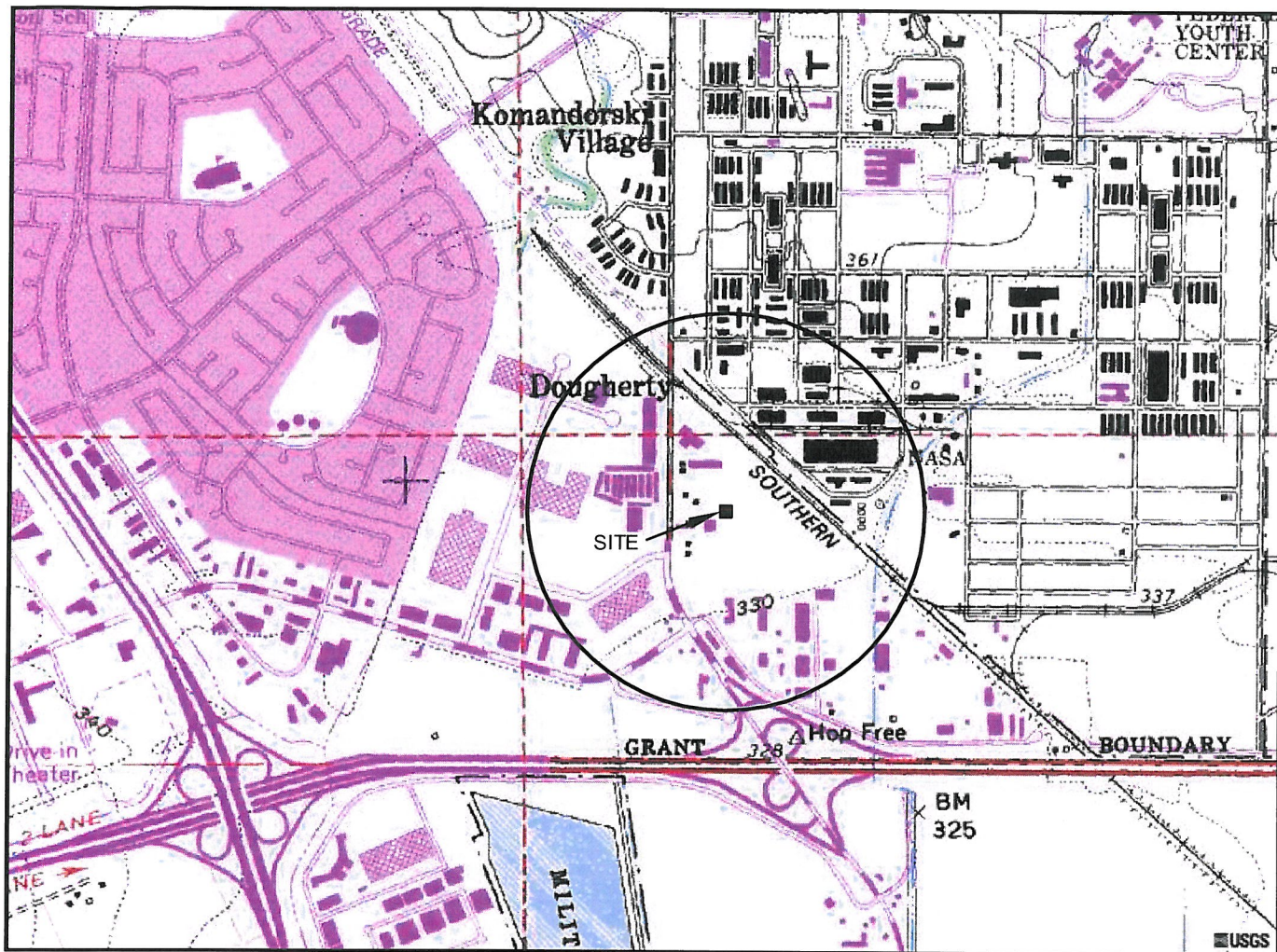
TAME = Tertiary amyl methyl ether

TBA = Tertiary butyl alcohol

DIPE = di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

-- = Not analyzed



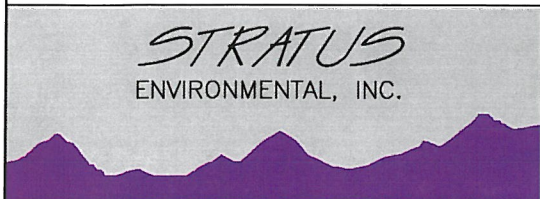
GENERAL NOTES:  
 BASE MAP FROM U.S.G.S.  
 DUBLIN, CA.  
 7.5 MINUTE TOPOGRAPHIC  
 PHOTOREVISED 1989



APPROXIMATE SCALE



QUADRANGLE LOCATION



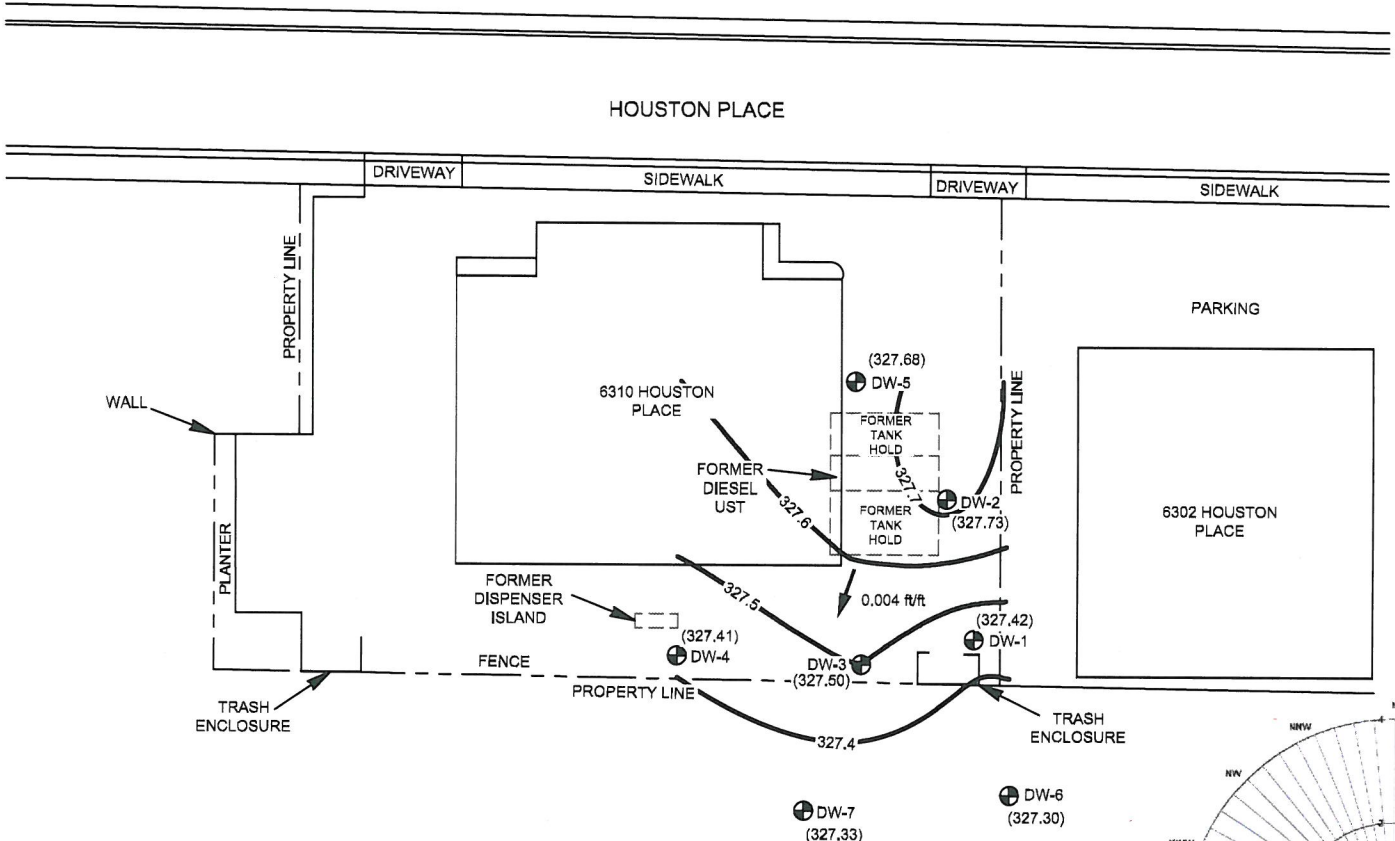
6310 HOUSTON PLACE  
 DUBLIN, CALIFORNIA

SITE LOCATION MAP

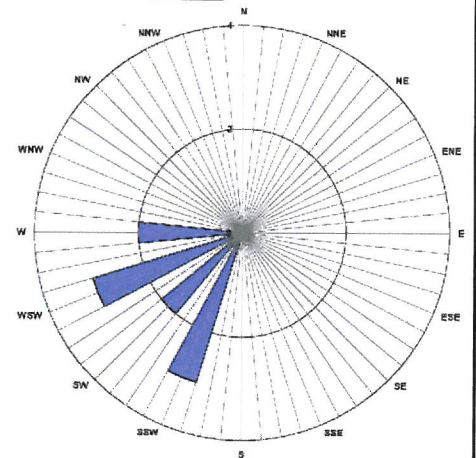
FIGURE

1

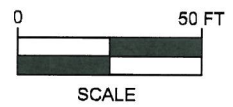
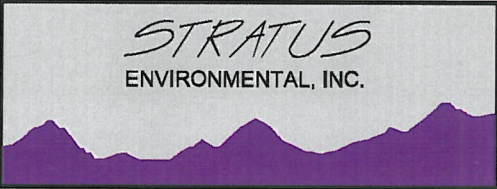
PROJECT NO.  
 2094-6310-01



- LEGEND
- ⊕ DW-1 MONITORING WELL LOCATION
  - (327.42) GROUND WATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
  - 327.6— WATER TABLE CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL
  - ➔ INFERRED DIRECTION OF GROUND WATER FLOW
- WELLS MEASURED: 1/13/11



Bay Counties/Quarterly JMP February 9, 2011 REV



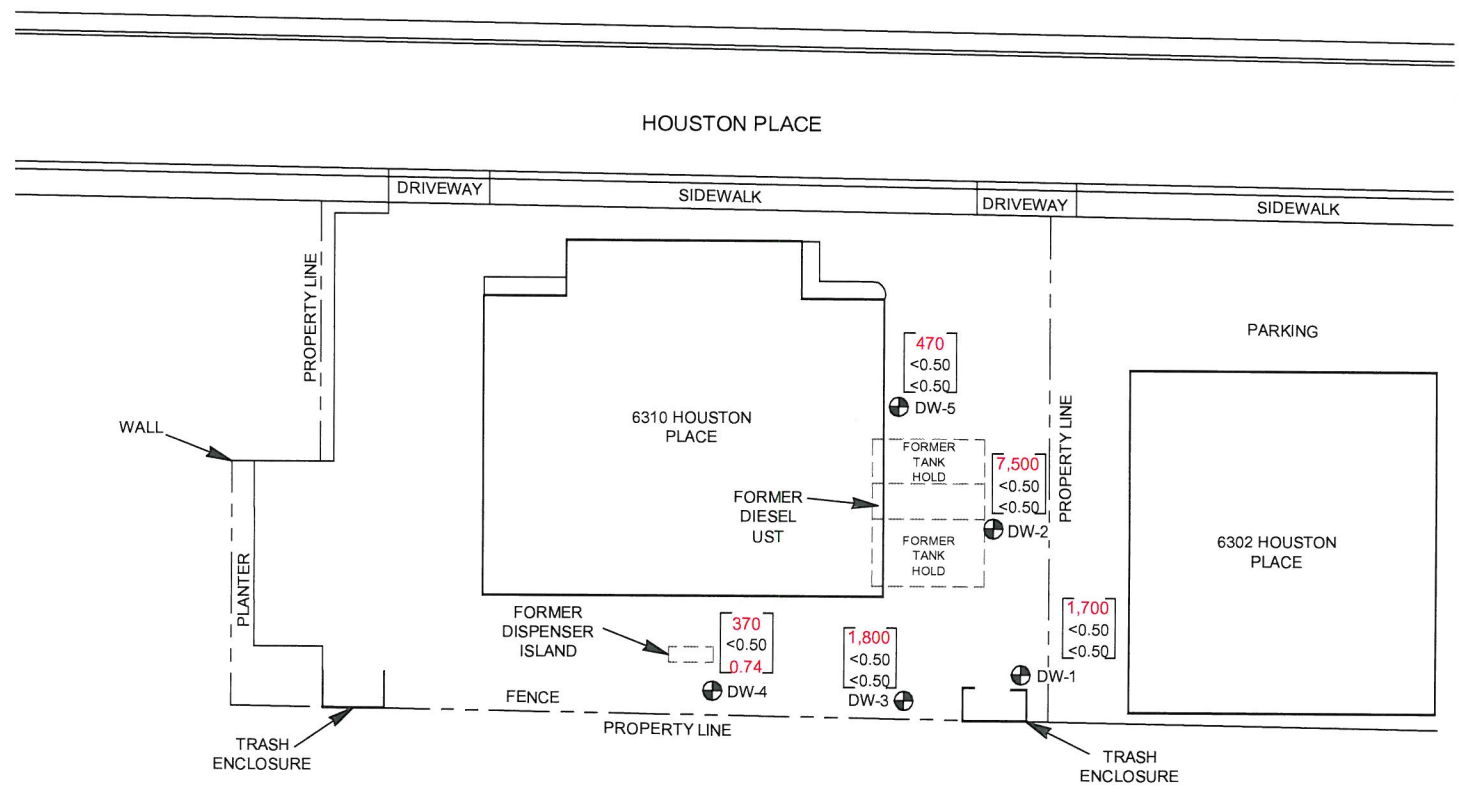
6310 HOUSTON PLACE  
DUBLIN, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP  
1st QUARTER 2011

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



Bay Counties Quarterly .JMP REV February 9, 2011 Bay Co Quarterly Figures

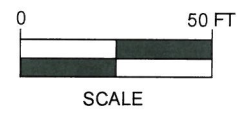


LEGEND

- ⊕ DW-1 MONITORING WELL LOCATION
- [ <50 ] DIESEL RANGE ORGANICS (DRO) IN µg/L
- [ <0.50 ] BENZENE CONCENTRATION IN µg/L
- [ <0.50 ] METHYL TERTIARY BUTYL ETHER (MTBE) IN µg/L

SAMPLES COLLECTED ON 1/13/11  
 DRO ANALYZED BY EPA METHOD 8015B  
 BENZENE & MTBE ANALYZED BY EPA METHOD 8260B

**STRATUS**  
 ENVIRONMENTAL, INC.



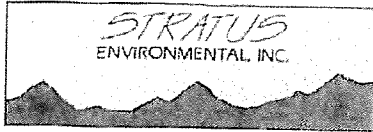
6310 HOUSTON PLACE  
 DUBLIN, CALIFORNIA

GROUNDWATER ANALYTICAL SUMMARY  
 1st QUARTER 2011

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

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





Site Address 6310 Houston Place  
 City Dublin  
 Sampled By: Levi Ford  
 Signature LF

Site Number Bay Counties  
 Project Number 2094-6310-01  
 Project PM Kasey Jones  
 DATE 01/13/2011

ORIGINAL

Well ID <u>D.W-2 Bail Sheen</u>					Well ID <u>D.W-4 Bail</u>				
Purge start time <u>0830</u>		Odor <u>(Y) (N)</u>			Purge start time <u>0848</u>		Odor <u>Y (N)</u>		
Temp C	pH	cond	gallons	Temp C	pH	cond	gallons		
time <u>0830</u>	<u>19.7</u>	<u>6.86</u>	<u>1269</u>	<u>0</u>	time <u>0848</u>	<u>18.5</u>	<u>6.70</u>	<u>4.01ms</u>	<u>0</u>
time <u>0833</u>	<u>19.9</u>	<u>7.10</u>	<u>1219</u>	<u>2.5</u>	time <u>0852</u>	<u>18.1</u>	<u>6.94</u>	<u>3.65ms</u>	<u>2.5</u>
time <u>0837</u>	<u>19.9</u>	<u>7.23</u>	<u>1118</u>	<u>5</u>	time <u>0858</u>	<u>18.1</u>	<u>6.85</u>	<u>3.79ms</u>	<u>5</u>
time					time				
purge stop time <u>0837</u>		ORP <u>14</u>			purge stop time <u>0858</u>		ORP <u>38</u>		
Well ID <u>D.W-6 Bail</u>					Well ID <u>D.W-7 Bail</u>				
Purge start time <u>0931</u>		Odor <u>Y (N)</u>			Purge start time <u>0954</u>		Odor <u>Y (N)</u>		
Temp C	pH	cond	gallons	Temp C	pH	cond	gallons		
time <u>0931</u>	<u>18.9</u>	<u>6.89</u>	<u>4.33ms</u>	<u>0</u>	time <u>0954</u>	<u>18.9</u>	<u>6.83</u>	<u>4.45ms</u>	<u>0</u>
time <u>0934</u>	<u>18.7</u>	<u>6.88</u>	<u>4.32ms</u>	<u>2.5</u>	time <u>0958</u>	<u>18.8</u>	<u>6.79</u>	<u>4.63ms</u>	<u>2.5</u>
time <u>0937</u>	<u>18.6</u>	<u>6.90</u>		<u>4.5</u>	time <u>1001</u>	<u>18.9</u>	<u>6.81</u>	<u>4.54ms</u>	<u>4.5</u>
time					time				
purge stop time		ORP <u>27</u>			purge stop time <u>1001</u>		ORP <u>30</u>		
Well ID <u>DW-1 Bail Sheen</u>					Well ID <u>DW-5 Bail</u>				
Purge start time <u>1033</u>		Odor <u>(Y) N</u>			Purge start time <u>1111</u>		Odor <u>Y (N)</u>		
Temp C	pH	cond	gallons	Temp C	pH	cond	gallons		
time <u>1033</u>	<u>17.9</u>	<u>8.33</u>	<u>6.32ms</u>	<u>0</u>	time <u>1111</u>	<u>19.4</u>	<u>7.03</u>	<u>3.05ms</u>	<u>0</u>
time <u>1036</u>	<u>17.7</u>	<u>8.29</u>	<u>572ms</u>	<u>2.5</u>	time <u>1115</u>	<u>19.3</u>	<u>7.08</u>	<u>2.66ms</u>	<u>3</u>
time <u>1039</u>	<u>17.8</u>	<u>8.01</u>	<u>5.54ms</u>	<u>5</u>	time <u>1119</u>	<u>19.3</u>	<u>7.05</u>	<u>2.77ms</u>	<u>5.5</u>
time					time				
purge stop time <u>1039</u>		ORP <u>20</u>			purge stop time <u>1119</u>		ORP <u>0</u>		
Well ID <u>DW-3 Bail Sheen</u>					Well ID				
Purge start time <u>1143</u>		Odor <u>(Y) N</u>			Purge start time		Odor <u>Y N</u>		
Temp C	pH	cond	gallons	Temp C	pH	cond	gallons		
time <u>1143</u>	<u>18.0</u>	<u>7.13</u>	<u>2.23ms</u>	<u>0</u>	time				
time <u>1147</u>	<u>18.1</u>	<u>7.10</u>	<u>2.35ms</u>	<u>2.5</u>	time				
time <u>1151</u>	<u>18.2</u>	<u>7.15</u>	<u>2.25ms</u>	<u>5</u>	time				
time					time				
purge stop time <u>1151</u>		ORP <u>-10</u>			purge stop time		ORP		

94



## **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**



# 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: Kasey Jones  
Phone: (530) 676-6000  
Fax: (530) 676-6005  
Date Received : 01/13/11

Job: 2094-6310-01/ Bay Counties Petroleum

Metals by ICPMS  
EPA Method SW6020 / SW6020A

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: <b>DW-1</b>				
Lab ID: STR11011307-01A	Chromium (Cr)	72	5.0 µg/L	01/14/11
Date Sampled 01/13/11 10:44	Iron (Fe)	35,000	300 µg/L	01/14/11
	Copper (Cu)	49	10 µg/L	01/14/11
	Selenium (Se)	ND	5.0 µg/L	01/14/11
	Lead (Pb)	16	5.0 µg/L	01/14/11
Client ID: <b>DW-3</b>				
Lab ID: STR11011307-03A	Chromium (Cr)	29	5.0 µg/L	01/14/11
Date Sampled 01/13/11 11:55	Iron (Fe)	16,000	300 µg/L	01/14/11
	Copper (Cu)	14	10 µg/L	01/14/11
	Selenium (Se)	ND	5.0 µg/L	01/14/11
	Lead (Pb)	7.4	5.0 µg/L	01/14/11
Client ID: <b>DW-5</b>				
Lab ID: STR11011307-05A	Chromium (Cr)	19	5.0 µg/L	01/14/11
Date Sampled 01/13/11 11:23	Iron (Fe)	8,800	300 µg/L	01/14/11
	Copper (Cu)	11	10 µg/L	01/14/11
	Selenium (Se)	ND	5.0 µg/L	01/14/11
	Lead (Pb)	ND	5.0 µg/L	01/14/11
Client ID: <b>DW-7</b>				
Lab ID: STR11011307-07A	Chromium (Cr)	79	5.0 µg/L	01/14/11
Date Sampled 01/13/11 10:05	Iron (Fe)	36,000	300 µg/L	01/14/11
	Copper (Cu)	32	10 µg/L	01/14/11
	Selenium (Se)	7.8	5.0 µg/L	01/14/11
	Lead (Pb)	12	5.0 µg/L	01/14/11

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) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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

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.

1/20/11

Report Date





# Alpha Analytical, Inc.

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

## ANALYTICAL REPORT

Stratus Environmental  
3330 Cameron Park Drive  
Cameron Park, CA 956828861

Attn: Kasey Jones  
Phone: (530) 676-6000  
Fax: (530) 676-6005  
Date Received : 01/13/11

Job: 2094-6310-01/ Bay Counties Petroleum

Dissolved Metals by ICPMS  
EPA Method SW6020 / SW6020A

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: <b>DW-1</b>				
Lab ID: STR11011307-01A	Arsenic (As), Dissolved	41	2.0 µg/L	01/14/11
Date Sampled 01/13/11 10:44	Cadmium (Cd), Dissolved	ND	1.0 µg/L	01/14/11
	Barium (Ba), Dissolved	37	5.0 µg/L	01/14/11
Client ID: <b>DW-3</b>				
Lab ID: STR11011307-03A	Arsenic (As), Dissolved	5.4	2.0 µg/L	01/14/11
Date Sampled 01/13/11 11:55	Cadmium (Cd), Dissolved	ND	1.0 µg/L	01/14/11
	Barium (Ba), Dissolved	69	5.0 µg/L	01/14/11
Client ID: <b>DW-5</b>				
Lab ID: STR11011307-05A	Arsenic (As), Dissolved	4.9	2.0 µg/L	01/14/11
Date Sampled 01/13/11 11:23	Cadmium (Cd), Dissolved	ND	1.0 µg/L	01/14/11
	Barium (Ba), Dissolved	69	5.0 µg/L	01/14/11
Client ID: <b>DW-7</b>				
Lab ID: STR11011307-07A	Arsenic (As), Dissolved	6.0	2.0 µg/L	01/14/11
Date Sampled 01/13/11 10:05	Cadmium (Cd), Dissolved	ND	1.0 µg/L	01/14/11
	Barium (Ba), Dissolved	48	5.0 µg/L	01/14/11

ND = Not Detected

Reported in micrograms per Liter, per client request.

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) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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

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.

1/20/11

Report Date



# Alpha Analytical, Inc.

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

## ANALYTICAL REPORT

Stratus Environmental  
3330 Cameron Park Drive  
Cameron Park, CA 956828861

Attn: Kasey Jones  
Phone: (530) 676-6000  
Fax: (530) 676-6005  
Date Received : 01/13/11

Job: 2094-6310-01/ Bay Counties Petroleum

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B  
Volatile Organic Compounds (VOCs) EPA Method SW8260B

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed	
Client ID : <b>DW-1</b>					
Lab ID : STR11011307-01A	TPH-E (DRO)	1,700	50 µg/L	01/14/11	01/15/11
Date Sampled 01/13/11 10:44	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/18/11	01/18/11
	Benzene	ND	0.50 µg/L	01/18/11	01/18/11
	Toluene	ND	0.50 µg/L	01/18/11	01/18/11
	Ethylbenzene	ND	0.50 µg/L	01/18/11	01/18/11
	m,p-Xylene	ND	0.50 µg/L	01/18/11	01/18/11
	o-Xylene	ND	0.50 µg/L	01/18/11	01/18/11
	Naphthalene	ND	2.0 µg/L	01/18/11	01/18/11
Client ID : <b>DW-2</b>					
Lab ID : STR11011307-02A	TPH-E (DRO)	7,500	50 µg/L	01/14/11	01/15/11
Date Sampled 01/13/11 08:40	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/18/11	01/18/11
	Benzene	ND	0.50 µg/L	01/18/11	01/18/11
	Toluene	ND	0.50 µg/L	01/18/11	01/18/11
	Ethylbenzene	ND	0.50 µg/L	01/18/11	01/18/11
	m,p-Xylene	ND	0.50 µg/L	01/18/11	01/18/11
	o-Xylene	ND	0.50 µg/L	01/18/11	01/18/11
	Naphthalene	ND	2.0 µg/L	01/18/11	01/18/11
Client ID : <b>DW-3</b>					
Lab ID : STR11011307-03A	TPH-E (DRO)	1,800	50 µg/L	01/14/11	01/15/11
Date Sampled 01/13/11 11:55	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/18/11	01/18/11
	Benzene	ND	0.50 µg/L	01/18/11	01/18/11
	Toluene	ND	0.50 µg/L	01/18/11	01/18/11
	Ethylbenzene	ND	0.50 µg/L	01/18/11	01/18/11
	m,p-Xylene	ND	0.50 µg/L	01/18/11	01/18/11
	o-Xylene	ND	0.50 µg/L	01/18/11	01/18/11
	Naphthalene	ND	2.0 µg/L	01/18/11	01/18/11
Client ID : <b>DW-4</b>					
Lab ID : STR11011307-04A	TPH-E (DRO)	370	50 µg/L	01/14/11	01/15/11
Date Sampled 01/13/11 09:02	Methyl tert-butyl ether (MTBE)	0.74	0.50 µg/L	01/18/11	01/18/11
	Benzene	ND	0.50 µg/L	01/18/11	01/18/11
	Toluene	ND	0.50 µg/L	01/18/11	01/18/11
	Ethylbenzene	ND	0.50 µg/L	01/18/11	01/18/11
	m,p-Xylene	ND	0.50 µg/L	01/18/11	01/18/11
	o-Xylene	ND	0.50 µg/L	01/18/11	01/18/11
	Naphthalene	ND	4.0 µg/L	01/18/11	01/18/11



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Client ID :	<b>DW-5</b>					
Lab ID :	STR11011307-05A	TPH-E (DRO)	470	50 µg/L	01/14/11	01/15/11
Date Sampled	01/13/11 11:23	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/18/11	01/18/11
		Benzene	ND	0.50 µg/L	01/18/11	01/18/11
		Toluene	ND	0.50 µg/L	01/18/11	01/18/11
		Ethylbenzene	ND	0.50 µg/L	01/18/11	01/18/11
		m,p-Xylene	ND	0.50 µg/L	01/18/11	01/18/11
		o-Xylene	ND	0.50 µg/L	01/18/11	01/18/11
		Naphthalene	ND	2.0 µg/L	01/18/11	01/18/11

Client ID :	<b>DW-6</b>					
Lab ID :	STR11011307-06A	TPH-E (DRO)	ND	50 µg/L	01/14/11	01/15/11
Date Sampled	01/13/11 09:40	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/18/11	01/18/11
		Benzene	ND	0.50 µg/L	01/18/11	01/18/11
		Toluene	ND	0.50 µg/L	01/18/11	01/18/11
		Ethylbenzene	ND	0.50 µg/L	01/18/11	01/18/11
		m,p-Xylene	ND	0.50 µg/L	01/18/11	01/18/11
		o-Xylene	ND	0.50 µg/L	01/18/11	01/18/11
		Naphthalene	ND	2.0 µg/L	01/18/11	01/18/11

Client ID :	<b>DW-7</b>					
Lab ID :	STR11011307-07A	TPH-E (DRO)	ND	50 µg/L	01/14/11	01/15/11
Date Sampled	01/13/11 10:05	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/18/11	01/18/11
		Benzene	ND	0.50 µg/L	01/18/11	01/18/11
		Toluene	ND	0.50 µg/L	01/18/11	01/18/11
		Ethylbenzene	ND	0.50 µg/L	01/18/11	01/18/11
		m,p-Xylene	ND	0.50 µg/L	01/18/11	01/18/11
		o-Xylene	ND	0.50 µg/L	01/18/11	01/18/11
		Naphthalene	ND	2.0 µg/L	01/18/11	01/18/11

### Diesel Range Organics (DRO) C13-C22

O = Reporting Limits were increased due to sample foaming.

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  
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*PSG*

1/20/11

Report Date



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## VOC Sample Preservation Report

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**Work Order:** STR11011307

**Job:** 2094-6310-01/ Bay Counties Petroleum

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Alpha's Sample ID	Client's Sample ID	Matrix	pH
11011307-01A	DW-1	Aqueous	2
11011307-02A	DW-2	Aqueous	2
11011307-03A	DW-3	Aqueous	2
11011307-04A	DW-4	Aqueous	6
11011307-05A	DW-5	Aqueous	2
11011307-06A	DW-6	Aqueous	2
11011307-07A	DW-7	Aqueous	2

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1/20/11

**Report Date**

Page 1 of 1



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Date:  
18-Jan-11

## QC Summary Report

Work Order:  
11011307

### Method Blank

Type **MBLK** Test Code: **EPA Method SW6020 / SW6020A**

File ID: 011411.B\038\_M.D\

Batch ID: 25805

Analysis Date: 01/14/2011 15:23

Sample ID: MB-25805

Units : µg/L

Run ID: ICP/MS\_110114C

Prep Date: 01/14/2011 09:55

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chromium (Cr)	ND	5								
Iron (Fe)	ND	300								
Copper (Cu)	ND	10								
Selenium (Se)	ND	5								
Lead (Pb)	ND	5								

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW6020 / SW6020A**

File ID: 011411.B\039\_M.D\

Batch ID: 25805

Analysis Date: 01/14/2011 15:29

Sample ID: LCS-25805

Units : µg/L

Run ID: ICP/MS\_110114C

Prep Date: 01/14/2011 09:55

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chromium (Cr)	254	5	250		102	80	120			
Iron (Fe)	51200	300	50000		102	80	120			
Copper (Cu)	256	10	250		102	80	120			
Selenium (Se)	247	5	250		99	80	120			
Lead (Pb)	250	5	250		100	80	120			

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW6020 / SW6020A**

File ID: 011411.B\044\_M.D\

Batch ID: 25805

Analysis Date: 01/14/2011 15:57

Sample ID: 11011341-01AMS

Units : µg/L

Run ID: ICP/MS\_110114C

Prep Date: 01/14/2011 09:55

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chromium (Cr)	258	5	250	0	103	75	125			
Iron (Fe)	76800	300	50000	516800	-880	75	125			M3
Copper (Cu)	257	10	250	0	103	75	125			
Selenium (Se)	255	5	250	0	102	75	125			
Lead (Pb)	254	5	250	0	101	75	125			

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW6020 / SW6020A**

File ID: 011411.B\045\_M.D\

Batch ID: 25805

Analysis Date: 01/14/2011 16:02

Sample ID: 11011341-01AMSD

Units : µg/L

Run ID: ICP/MS\_110114C

Prep Date: 01/14/2011 09:55

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chromium (Cr)	256	5	250	0	102	75	125	258.3	0.9(20)	
Iron (Fe)	76500	300	50000	516800	-880	75	125	76810	0.5(20)	M3
Copper (Cu)	254	10	250	0	102	75	125	256.6	1.0(20)	
Selenium (Se)	253	5	250	0	101	75	125	254.6	0.8(20)	
Lead (Pb)	249	5	250	0	99	75	125	253.5	1.9(20)	

### 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.

M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to the spike level. The method control sample recovery was acceptable.

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Date:  
18-Jan-11

## QC Summary Report

Work Order:  
11011307

### Method Blank

Type **MBLK** Test Code: **EPA Method 200.8**

File ID: **011411.B\068\_M.D\**

Batch ID: **25813**

Analysis Date: **01/14/2011 18:41**

Sample ID: **MB-25813**

Units : **µg/L**

Run ID: **ICP/MS\_110114B**

Prep Date: **01/14/2011 14:48**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Arsenic (As), Dissolved	ND	2								
Cadmium (Cd), Dissolved	ND	1								
Barium (Ba), Dissolved	ND	5								

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 200.8**

File ID: **011411.B\069\_M.D\**

Batch ID: **25813**

Analysis Date: **01/14/2011 18:47**

Sample ID: **LCS-25813**

Units : **µg/L**

Run ID: **ICP/MS\_110114B**

Prep Date: **01/14/2011 14:48**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Arsenic (As), Dissolved	49.5	2	50		99	80	120			
Cadmium (Cd), Dissolved	49.3	1	50		99	80	120			
Barium (Ba), Dissolved	49	5	50		98	80	120			

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method 200.8**

File ID: **011411.B\073\_M.D\**

Batch ID: **25813**

Analysis Date: **01/14/2011 19:15**

Sample ID: **11011307-03AMS**

Units : **µg/L**

Run ID: **ICP/MS\_110114B**

Prep Date: **01/14/2011 14:48**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Arsenic (As), Dissolved	61.8	2	50	5.395	113	75	125			
Cadmium (Cd), Dissolved	53.5	2	50	0	107	75	125			
Barium (Ba), Dissolved	122	5	50	68.81	107	75	125			

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method 200.8**

File ID: **011411.B\074\_M.D\**

Batch ID: **25813**

Analysis Date: **01/14/2011 19:21**

Sample ID: **11011307-03AMSD**

Units : **µg/L**

Run ID: **ICP/MS\_110114B**

Prep Date: **01/14/2011 14:48**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Arsenic (As), Dissolved	59	2	50	5.395	107	75	125	61.78	4.6(20)	
Cadmium (Cd), Dissolved	51.2	2	50	0	102	75	125	53.48	4.4(20)	
Barium (Ba), Dissolved	119	5	50	68.81	101	75	125	122.2	2.5(20)	

### 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:  
19-Jan-11

## QC Summary Report

Work Order:  
11011307

### Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B / E**

File ID: **2A01141106.D**

Batch ID: **25812**

Analysis Date: **01/14/2011 16:00**

Sample ID: **MBLK-25812**

Units : **µg/L**

Run ID: **FID\_1\_110114A**

Prep Date: **01/14/2011 13:47**

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LCL(ME)

UCL(ME)

RPDRefVal

%RPD(Limit)

Qual

TPH-E (DRO)

ND

50

Surr: Nonane

148

150

99

57

147

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B / E**

File ID: **2A01141107.D**

Batch ID: **25812**

Analysis Date: **01/14/2011 16:25**

Sample ID: **LCS-25812**

Units : **µg/L**

Run ID: **FID\_1\_110114A**

Prep Date: **01/14/2011 13:47**

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LCL(ME)

UCL(ME)

RPDRefVal

%RPD(Limit)

Qual

TPH-E (DRO)

2550

50

2500

102

67

130

Surr: Nonane

157

150

105

57

147

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B / E**

File ID: **2A01141110.D**

Batch ID: **25812**

Analysis Date: **01/14/2011 17:42**

Sample ID: **11011305-02AMSD**

Units : **µg/L**

Run ID: **FID\_1\_110114A**

Prep Date: **01/14/2011 13:47**

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LCL(ME)

UCL(ME)

RPDRefVal

%RPD(Limit)

Qual

TPH-E (DRO)

2900

50

2500

0

116

49

150

Surr: Nonane

163

150

109

57

147

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B / E**

File ID: **2A01141111.D**

Batch ID: **25812**

Analysis Date: **01/14/2011 18:08**

Sample ID: **11011305-02AMSD**

Units : **µg/L**

Run ID: **FID\_1\_110114A**

Prep Date: **01/14/2011 13:47**

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LCL(ME)

UCL(ME)

RPDRefVal

%RPD(Limit)

Qual

TPH-E (DRO)

3080

50

2500

0

123

49

150

2902

5.9(38)

Surr: Nonane

164

150

109

57

147

### 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:  
19-Jan-11

## QC Summary Report

Work Order:  
11011307

### Method Blank

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

File ID: **11011804.D**

Batch ID: **MS12W0118A**

Analysis Date: **01/18/2011 09:42**

Sample ID: **MBLK MS12W0118A**

Units: **µg/L**

Run ID: **MSD\_12\_110118A**

Prep Date: **01/18/2011 09:42**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	8.63		10		86	70	130			
Surr: Toluene-d8	10.4		10		104	70	130			
Surr: 4-Bromofluorobenzene	8.81		10		88	70	130			

### Laboratory Control Spike

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

File ID: **11011803.D**

Batch ID: **MS12W0118A**

Analysis Date: **01/18/2011 09:19**

Sample ID: **LCS MS12W0118A**

Units: **µg/L**

Run ID: **MSD\_12\_110118A**

Prep Date: **01/18/2011 09:19**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	8.59	0.5	10		86	62	136			
Benzene	9.4	0.5	10		94	70	130			
Toluene	9.49	0.5	10		95	80	120			
Ethylbenzene	9.94	0.5	10		99	80	120			
m,p-Xylene	10	0.5	10		100	70	130			
o-Xylene	10.3	0.5	10		103	70	130			
Surr: 1,2-Dichloroethane-d4	8.38		10		84	70	130			
Surr: Toluene-d8	10.4		10		104	70	130			
Surr: 4-Bromofluorobenzene	9.57		10		96	70	130			

### Sample Matrix Spike

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

File ID: **11011814.D**

Batch ID: **MS12W0118A**

Analysis Date: **01/18/2011 13:43**

Sample ID: **11011402-01AMS**

Units: **µg/L**

Run ID: **MSD\_12\_110118A**

Prep Date: **01/18/2011 13:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	40.9	1.3	50	0	82	56	141			
Benzene	40.6	1.3	50	0	81	67	130			
Toluene	40.1	1.3	50	0	80	66	130			
Ethylbenzene	41.9	1.3	50	0	84	68	130			
m,p-Xylene	41.9	1.3	50	0	84	64	130			
o-Xylene	43.8	1.3	50	0	88	70	130			
Surr: 1,2-Dichloroethane-d4	43.4		50		87	70	130			
Surr: Toluene-d8	51.4		50		103	70	130			
Surr: 4-Bromofluorobenzene	48.5		50		97	70	130			

### Sample Matrix Spike Duplicate

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

File ID: **11011815.D**

Batch ID: **MS12W0118A**

Analysis Date: **01/18/2011 14:06**

Sample ID: **11011402-01AMSD**

Units: **µg/L**

Run ID: **MSD\_12\_110118A**

Prep Date: **01/18/2011 14:06**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	42.1	1.3	50	0	84	56	141	40.87	2.9(20)	
Benzene	42.1	1.3	50	0	84	67	130	40.61	3.7(20)	
Toluene	41.6	1.3	50	0	83	66	130	40.09	3.6(20)	
Ethylbenzene	43.7	1.3	50	0	87	68	130	41.87	4.3(20)	
m,p-Xylene	43.7	1.3	50	0	87	64	130	41.93	4.0(20)	
o-Xylene	45.7	1.3	50	0	91	70	130	43.84	4.2(20)	
Surr: 1,2-Dichloroethane-d4	41.7		50		83	70	130			
Surr: Toluene-d8	51.2		50		102	70	130			
Surr: 4-Bromofluorobenzene	48.4		50		97	70	130			





# *Alpha Analytical, Inc.*

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**Date:**  
*19-Jan-11*

## QC Summary Report

**Work Order:**  
11011307

**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.

# CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

January 19, 2011

CLS Work Order #: CUA0506  
COC #:

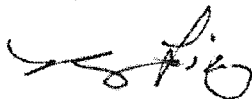
Reyna Vallejo  
Alpha Analytical, Inc.-Sparks  
255 Glendale Ave.; Suite 21  
Sparks, NV 89431

**Project Name: STR11011307**

Enclosed are the results of analyses for samples received by the laboratory on 01/13/11 16:35. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.  
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

# CALIFORNIA LABORATORY SERVICES

Page 2 of 4

01/19/11 09:24

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks, NV 89431	Project: STR11011307 Project Number: STR11011307 Project Manager: Reyna Vallejo	CLS Work Order #: CUA0506 COC #:
--	---	-------------------------------------

## Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>STR11011307-01A (DW-1) (CUA0506-01) Aqueous</b> <b>Sampled: 01/13/11 10:44</b> <b>Received: 01/13/11 16:35</b>									
Hexavalent Chromium	ND	1.0	µg/L	1	CU00298	01/14/11	01/14/11	EPA 7199	
<b>STR11011307-03A (DW-3) (CUA0506-02) Aqueous</b> <b>Sampled: 01/13/11 11:55</b> <b>Received: 01/13/11 16:35</b>									
Hexavalent Chromium	ND	1.0	µg/L	1	CU00298	01/14/11	01/14/11	EPA 7199	
<b>STR11011307-05A (DW-5) (CUA0506-03) Aqueous</b> <b>Sampled: 01/13/11 11:23</b> <b>Received: 01/13/11 16:35</b>									
Hexavalent Chromium	ND	1.0	µg/L	1	CU00298	01/14/11	01/14/11	EPA 7199	
<b>STR11011307-07A (DW-7) (CUA0506-04) Aqueous</b> <b>Sampled: 01/13/11 10:05</b> <b>Received: 01/13/11 16:35</b>									
Hexavalent Chromium	ND	1.0	µg/L	1	CU00298	01/14/11	01/14/11	EPA 7199	

CA DOHS ELAP Accreditation/Registration Number 1233

# CALIFORNIA LABORATORY SERVICES

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01/19/11 09:24

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks, NV 89431	Project: STR11011307 Project Number: STR11011307 Project Manager: Reyna Vallejo	CLS Work Order #: CUA0506 COC #:
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## Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch CU00298 - General Prep</b>										
<b>Blank (CU00298-BLK1)</b>										
Prepared & Analyzed: 01/14/11										
Hexavalent Chromium	ND	1.0	µg/L							
<b>LCS (CU00298-BS1)</b>										
Prepared & Analyzed: 01/14/11										
Hexavalent Chromium	4.62	1.0	µg/L	5.00		92	80-120			
<b>LCS Dup (CU00298-BSD1)</b>										
Prepared & Analyzed: 01/14/11										
Hexavalent Chromium	4.96	1.0	µg/L	5.00		99	80-120	7	20	
<b>Matrix Spike (CU00298-MS1)</b>										
Source: CUA0506-01 Prepared & Analyzed: 01/14/11										
Hexavalent Chromium	5.20	1.0	µg/L	5.00	ND	104	75-125			
<b>Matrix Spike Dup (CU00298-MSD1)</b>										
Source: CUA0506-01 Prepared & Analyzed: 01/14/11										
Hexavalent Chromium	5.10	1.0	µg/L	5.00	ND	102	75-125	2	25	

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# CALIFORNIA LABORATORY SERVICES

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01/19/11 09:24

Alpha Analytical, Inc.-Sparks  
255 Glendale Ave.; Suite 21  
Sparks, NV 89431

Project: STR11011307  
Project Number: STR11011307  
Project Manager: Reyna Vallejo

**CLS Work Order #: CUA0506**  
COC #:

## Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

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CA DOHS ELAP Accreditation/Registration Number 1233

3249 Fitzgerald Road Rancho Cordova, CA 95742    [www.californialab.com](http://www.californialab.com)    916-638-7301    Fax: 916-638-4510

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 : STR11011307**  
**Report Due By : 5:00 PM On : 20-Jan-2011**

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

Report Attention	Phone Number	E-Mail Address
Kasey Jones	(530) 676-6000 x	kaseyjones@statusinc.net

EDD Required : Yes

Sampled by : Levi

PO : Client's COC # : 27237 Job : 2094-6310-01/ Bay Counties Petroleum  
 Cooler Temp : 3 °C Samples Received : 13-Jan-2011 Date Printed : 14-Jan-2011

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

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests					Sample Remarks		
				Alpha	Sub	TAT	METALS_A Q	METALS_C R6_SUB_W	METALS_D S	TPH/E_W	VOC_W			
STR11011307-01A	DW-1	AQ	01/13/11 10:44	10	1	5	Cr, Fe, Cu, Se, Pb	Cr6+ by 7199	As, Cd, Ba	TPH/E_C	BTEX/MTBE /Naphthalene_C			
STR11011307-02A	DW-2	AQ	01/13/11 08:40	8	0	5				TPH/E_C	BTEX/MTBE /Naphthalene_C			
STR11011307-03A	DW-3	AQ	01/13/11 11:55	10	1	5	Cr, Fe, Cu, Se, Pb	Cr6+ by 7199	As, Cd, Ba	TPH/E_C	BTEX/MTBE /Naphthalene_C			
STR11011307-04A	DW-4	AQ	01/13/11 09:02	8	0	5				TPH/E_C	BTEX/MTBE /Naphthalene_C			
STR11011307-05A	DW-5	AQ	01/13/11 11:23	10	1	5	Cr, Fe, Cu, Se, Pb	Cr6+ by 7199	As, Cd, Ba	TPH/E_C	BTEX/MTBE /Naphthalene_C			
STR11011307-06A	DW-6	AQ	01/13/11 09:40	8	0	5				TPH/E_C	BTEX/MTBE /Naphthalene_C			
STR11011307-07A	DW-7	AQ	01/13/11 10:05	10	1	5	Cr, Fe, Cu, Se, Pb	Cr6+ by 7199	As, Cd, Ba	TPH/E_C	BTEX/MTBE /Naphthalene_C			

Comments: Samples prelogged in order for Sac office to sub Cr+6 to CLS. Security seals intact. Frozen ice. :

Logged in by:	Signature	Print Name	Company	Date/Time
		Elizabeth Adcox	Alpha Analytical, Inc.	1-14-11 1035

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:**

Name Stratus Environmental  
 Address 3330 Cameron Park Dr. #550  
 City, State, Zip Cameron Park, CA  
 Phone Number 676 6004 Fax 676 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? 27237  
 AZ  CA  NV  WA   
 ID  OR  OTHER  Page # 1 of 1

Client Name				P.O. #	Job #			Analyses Required										Required QC Level?			
Bay Counties Petroleum					2094-6310-01			Diesel - 8015M	BTEX	Naphthalene	MTBE	Dissolved Metals	Hex Chrome	Total Metals	I	II	III	IV			
Address				E-Mail Address			EDD / EDF? YES ___ NO ___								Global ID # Tol600113164						
City, State, Zip				Phone #			Fax #			REMARKS											
Time Sampled	Date Sampled	Matrix See Key Below	Sampled by	Report Attention	Lab ID Number	Office (Use Only)	Sample Description	TAT	Field Filtered	Total and type of containers ** See below											
1044	1/3	AQ	Levi	K Jones	STR11011307-01		DW - 1	5 DAY	N/A	8V, 3P	X	X	X	X	X	X	X	X	DW-1, DW-3, DW-5 and DW-7 are samples for Hex. Chrome and Total Metals		
0840							- 2														
1155							- 3														
0902							- 4														
1123							- 5														
0940							- 6														
1005							- 7														
										* Hex Chrome Sub to CLS											

**ADDITIONAL INSTRUCTIONS:**

Signature	Print Name	Company	Date	Time
	Levi Ford	Stratus Env	1/13/2011	1540
	LISA deSilva	ALPHA	1-13-11	1540
	Lisa deSilva	ALPHA	1-13-11	1600
	Elizabeth Adcox	Alpha	1-14-11	1035

\*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**



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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>	<b>GEO_WELL</b>
<b><u>Submittal Title:</u></b>	<b>GeoWell 1-13-11</b>
<b><u>Facility Global ID:</u></b>	<b>T0600113164</b>
<b><u>Facility Name:</u></b>	<b>BAY COUNTIES PETROLEUM</b>
<b><u>File Name:</u></b>	<b>GEO_WELL.zip</b>
<b><u>Organization Name:</u></b>	<b>Stratus Environmental, Inc.</b>
<b><u>Username:</u></b>	<b>STRATUS NOCAL</b>
<b><u>IP Address:</u></b>	<b>12.186.106.98</b>
<b><u>Submittal Date/Time:</u></b>	<b>1/24/2011 12:06:47 PM</b>
<b><u>Confirmation Number:</u></b>	<b>8583734095</b>

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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!

<b><u>Submittal Type:</u></b>	EDF - Monitoring Report - Quarterly
<b><u>Submittal Title:</u></b>	Analytical 1-13-11
<b><u>Facility Global ID:</u></b>	T0600113164
<b><u>Facility Name:</u></b>	BAY COUNTIES PETROLEUM
<b><u>File Name:</u></b>	11011307_EDF.zip
<b><u>Organization Name:</u></b>	Stratus Environmental, Inc.
<b><u>Username:</u></b>	STRATUS NOCAL
<b><u>IP Address:</u></b>	12.186.106.98
<b><u>Submittal Date/Time:</u></b>	2/7/2011 2:36:47 PM
<b><u>Confirmation Number:</u></b>	3683694422

[VIEW QC REPORT](#)

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