STRATUS
ENVIRONMENTAL, INC.

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July 19, 2006
Project No. 2007-0057-01

Mr. Barney Chan
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: Quarterly Groundwater Monitoring Report, Second Quarter 2006, for former USA Service Station No. 57, located at 10700 MacArthur Boulevard, Oakland, CA (LOP No. RO0000232)

Dear Mr. Chan:

Stratus Environmental, Inc. (Stratus), on behalf of USA Gasoline Corporation (USA), is submitting the attached report, which presents the results of second quarter 2006 quarterly monitoring and sampling program and an update on remediation efforts at the former USA Service Station No. 57, located at 10700 MacArthur Boulevard, Oakland, California (Figure 1). This report is in compliance with Alameda County Department of Environmental Health (ACDEH) requirements for underground storage tank (UST) investigations.

If you have any questions regarding this report, please contact Gowri Kowtha at (530) 676-6001.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

PROFESSIONAL GEOLOGIST
Stephen J. Carter
No. 5577
STATE OF CALIFORNIA

Stephen J. Carter, P.G.
Sr. Project Supervisor

Gowri S. Kowtha, P.E.
Project Manager

Attachment: Quarterly Groundwater Monitoring Report, Second Quarter 2006

cc: Mr. Charles Miller, USA Gasoline Corporation
Mr. Ken Phares, Jay-Phares Corporation
Mr. Peter McIntyre, AEI Consultants

Date July 19, 2006

USA GASOLINE QUARTERLY GROUNDWATER MONITORING REPORT

Facility No: 57 Address: 10700 MacArthur Blvd., Oakland, California

USA Gasoline Project Supervisor: Charles Miller

Consulting Co./Contact Person: Stratus Environmental, Inc./ Gowri S. Kowtha, P.E.

Consultant Project No: 2007-0057-01

Primary Agency/Regulatory ID No: Barney Chan, Alameda County Department of Environmental Health / RO0000232

WORK PERFORMED THIS QUARTER (Second 2006):

1. Stratus measured groundwater elevations and collected groundwater samples from wells S-1, S-2, MW-3, MW-5 through MW-8, EX-1, and EX-2 on April 27, 2006. Due to onsite construction activities, wells MW-4, EX-3, and EX-4 were covered under soil and could not be monitored or sampled.

2. Stratus conducted six site visits to collect field and laboratory parameters to evaluate and optimize the performance of the oxygen injection (iSOC™) system.

3. Stratus prepared and submitted the *Fourth Dual Phase Extraction Event Report* (dated May 2, 2006).

4. Stratus conducted the fifth dual phase extraction (DPE) petroleum hydrocarbon mass removal event between May 1 and 25, 2006. A report summarizing the findings of this DPE event was prepared and submitted to ACDEH on July 10, 2006.

5. Stratus compiled and evaluated groundwater monitoring data.

6. Stratus prepared and submitted a *Self-Monitoring Report for January 2006 to June 2006* (dated July 13, 2006).

WORK PROPOSED FOR NEXT QUARTER (Third 2006):

1. The next sampling event is tentatively scheduled for July 2006. Groundwater samples will be collected for laboratory analysis from wells S-1, S-2, MW-3 through MW-8, and EX-1 through EX-4.

2. Groundwater samples will be analyzed for total petroleum hydrocarbons as gasoline (TPHG) using U.S. Environmental Protection Agency Method (EPA) Method SW8015B/DHS Luft Manual, and for benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), tertiary butyl alcohol (TBA), ethyl tertiary butyl ether (ETBE), di-isopropyl ether (DIPE), tertiary amyl methyl ether (TAME), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB), methanol, and ethanol using EPA Method SW8260B.

3. Stratus will conduct bi-monthly site visits to conduct routine operation and maintenance of the oxygen injection system.

4. Stratus will collect additional groundwater samples from select wells (MW-7, MW-8, EX-1, EX-2, and EX-3) for analyzing biochemical oxygen demand (BOD), total organic carbon (TOC), nitrates, nitrite, ammonia, total phosphorus, orthophosphate, total iron, ferric iron, and heterotrophic plate counts.

5. In accordance with East Bay Municipal Utility District (EBMUD), Stratus will prepare and submit the *Semi-Annual Sewer Discharge Report* by July 31, 2006 documenting the volume of treated groundwater that was discharged to the sanitary sewer during the January through June 2006 reporting period.

6. Stratus is currently scheduled to conduct the last one-month DPE petroleum hydrocarbon mass removal event beginning on July 17, 2006.

7. Stratus will prepared and submit to ACDEH a *DPE Event Report* within 60-days of receipt of all analytical data.

Current Phase of Project:	Monitoring / Interim Remediation
Frequency of Groundwater Sampling:	All Wells = Quarterly
Frequency of Groundwater Monitoring:	Quarterly
Groundwater Sampling Date:	April 27, 2006
Is Free Product (FP) Present on Site:	No
FP Recovered This Quarter:	NA
Cumulative FP Recovered to Date:	NA
Approximate Depth to Groundwater:	1.76 to 11.55 feet below top of well casing
Groundwater Flow Direction:	South
Groundwater Gradient:	0.019 ft/ft

INTERIM REMEDIATION SYSTEM OPERATION AND PERFORMANCE

Equipment Inventory:	Oxygen Injection System (iSOC®-Manufactured by iNVENTURES Technologies, Inc.)
System Status:	Operating
Reporting Period:	April 17 through June 30, 2006
Historical Highest TPHG Concentration:	160,000 µg/L (S-2, 1998)
Historical Highest Benzene Concentration:	13,000 µg/L (EX-2, 2005)
Historical Highest MTBE Concentration:	820 µg/L (MW-3, 1995)
Highest GRO Concentration this Period:	24,000 µg/L (EX-2)
Highest Benzene Concentration this Period:	4,000 µg/L (EX-2)
Highest MTBE Concentration this Period:	180 µg/L (MW-3)

DISCUSSION:

At the time of the second quarter 2006 monitoring event, groundwater elevations had increased between 2.96 and 8.63 feet in all wells except for EX-1, which decreased 0.08 feet since the previous monitoring event (February 2, 2006). Depth-to-water measurements were corrected to mean sea level (MSL) and used to construct a groundwater elevation contour map (Figure 2). Wells EX-1 and EX-2 groundwater elevations appeared anomalous and these wells were not used in contour construction. The groundwater flow direction was generally to the south at an average gradient of 0.019 ft/ft. Radial groundwater flow patterns have been observed during previous monitoring events.

TPHG, benzene, and MTBE were reported in wells S-2 and EX-2. TPHG and benzene were also reported in well EX-1, and MTBE was also reported in wells S-1 and MW-3. The highest concentrations of TPHG (24,000 µg/L) and benzene (4,000 µg/L) were reported in well EX-2, and the highest concentration of MTBE (180 µg/L) was reported in well MW-3. TBA (330 µg/L) was reported in well MW-3. 1,2-DCA was reported in wells S-2 (1.3 µg/L) and MW-3 (220 µg/L). DIPE, ETBE, TAME, EDB, methanol, or ethanol were not reported in any of the wells. These results are generally consistent with historical analytical data. The laboratory noted that the pH in the samples collected from wells S-1, S-2, MW-6, and MW-7 were above the EPA recommended limit of 2. As the reported results for these wells appear to be generally consistent with historical data, it appears that the elevated pH has not affected data quality. Analytical results of TPHG, benzene, and MTBE for groundwater samples collected on April 27, 2006, are presented in Figure 3.

REMEDIATION SYSTEM STATUS

System Description

The iSOC® oxygen injection system installed at the site is a bioremediation technology that produces high levels of dissolved oxygen for in situ biodegradation of petroleum hydrocarbon constituents. The iSOC® system consists of individual injection units (1.62 inches in diameter and approximately 15 inches in length) made of stainless steel, and an industrial grade oxygen cylinder. The individual injections units contain a micro-flow controller that regulates the flow based on the static head and pressure setting at the oxygen cylinder. The injection units also contain micro porous hollow fibers, which provide a significant mass transfer area and create an ultra saturation zone when oxygen gas pressure is maintained lower than the static groundwater pressure. The individual injection units were placed in wells S-1, S-2, and MW-3 and each were connected to a 250 cubic centimeter (cc) oxygen cylinder using a single run ¼-inch diameter tubing. The iSOC® oxygen injection system startup was initiated on January 18, 2006.

Monitoring Plan

Monitoring wells EX-1 through EX-3 are used as observation wells to monitor the performance of the oxygen injection system. Monitoring wells MW-7 and MW-8 are used as background wells to evaluate and monitor for natural geo-chemical changes in groundwater. The following field and laboratory parameters will be monitored periodically to evaluate and optimize the performance of the ozone injection system.

Field Parameters: pH, Dissolved Oxygen (DO), and Specific Conductivity

Laboratory Parameters: TPHG, BTEX, BOD, total and ferrous iron, heterotrophic plate counts, TOC, total dissolved solids, nitrates, nitrites, ammonia, sulfates, sulfides, total phosphorus and orthophosphate.

Upon system start-up, field parameters were collected on a bi-monthly basis, and laboratory parameters were collected on a quarterly basis. Table 3 presents the sampling frequency, field and laboratory parameters analyzed, and significance of both laboratory and field parameters.

Results

The field and analytical parameters collected to date to evaluate and optimize the performance of the oxygen injection system are presented in Tables 4 and 5.

The average DO levels in the injection wells S-1, S-2, and MW-3 (see Figure 4) during second quarter 2006 were 19.09 mg/L, 16.81 mg/L, and 17.76 mg/L, respectively. The average DO levels in the observation wells (EX-1 through EX-3) and the background monitoring wells (MW-7 and MW-8) were in the ranges of 3.67 mg/L to 4.23 mg/L and 5.60 mg/L to 7.24 mg/L, respectively (see Figure 5). Well EX-3 is currently buried under dirt and DO was not measured. The BOD and TOC concentrations in the

groundwater sample collected from well EX-2 continues to be high and is probably due to the relatively high petroleum hydrocarbon concentrations also reported in this well. A consistent pattern or correlation of heterotrophic plate counts either with the variation in DO levels or the petroleum hydrocarbon concentrations could not be identified in the limited data available to date.

The petroleum hydrocarbon concentrations appear to have declined at wells S-1, S-2, and MW-3 (these wells are currently being used as oxygen injection wells), and at wells EX-1 and EX-2. Additional data (quarterly events) is required to establish and verify the effectiveness of the oxygen injection system in reducing the petroleum hydrocarbon concentrations.

Stratus will continue to operate the oxygen injection system during third quarter 2006 and collect field and laboratory parameters as identified in the monitoring plan to further evaluate and optimize the performance of the oxygen injection system.

ATTACHMENTS:

- Table 1 Groundwater Elevation and Analytical Summary
- Table 2 Groundwater Analytical Results for Oxygenates and Additional Compounds
- Table 3 Monitoring Plan Summary
- Table 4 Physical Parameter Summary
- Table 5 Analytical Parameter Summary
- Figure 1 Site Location Map
- Figure 2 Groundwater Elevation Contour Map (Second Quarter 2006)
- Figure 3 Groundwater Analytical Summary (Second Quarter 2006)
- Figure 4 DO Variation with Time at Injection Wells
- Figure 5 DO Variation with Time at Observation and Background Wells
- Appendix A Field Data Sheets
- Appendix B Sampling and Analysis Procedures
- Appendix C Certified Analytical Reports and Chain-of-Custody Documentation

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY

Former USA Service Station No. 57

10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	TPHG (µg/L)	TPHD (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
S-1	02/12/87						630	4.4	3.5	37	NA
	03/03/95	13.10	74.74	61.64	910	5,900	260	7.6	16	14	NA
	07/24/95	12.35		62.39	NA	NA	NA	NA	NA	NA	NA
	11/22/95	19.30	78.68	59.38	460	6,100	13	0.69	0.99	1.1	460*
	12/06/95	19.59		59.09	NA	NA	NA	NA	NA	NA	NA
	01/04/96	19.52		59.16	NA	NA	NA	NA	NA	NA	NA
	01/31/97	15.07		63.61	1,100	200	11	6	3	6	200*
	10/10/97	18.90		59.78	530	2,000	<0.5	2.1	<0.5	<2	230*
	01/20/98	16.79		61.89	1,800	200	<0.5	<0.5	1.5	10	87*
	04/28/98	8.37		70.31	130	7,300	1.9	3.2	<0.5	<0.5	310*
	07/31/98	11.61		67.07	310	2,000	0.54	4.6	3.8	0.82	280*
	06/10/99	14.35		64.33	660	150	0.99	<0.5	<0.5	2.4	80*[1]
	10/18/00	17.56		61.12	<50	330	<0.5	0.93	<0.5	<0.5	44
	03/12/02	16.29		62.39	500	<50	2.8	4.8	0.79	4.4	63
	11/19/02	19.53		59.15	190	NA	<0.50	<0.50	<0.50	<0.50	190
	01/09/03	18.14		60.54	510	NA	1.1	<0.50	0.52	<0.50	11
	04/14/03	18.04		60.64	300	NA	<1.0[2]	<1.0[2]	<1.0[2]	<1.0[2]	27
	07/21/03	20.31		58.37	300	NA	<0.50	<0.50	<0.50	<0.50	11
	10/09/03	19.46		59.22	390	NA	<0.50	<0.50	<0.50	<0.50	8.8
	01/15/04	18.21	79.66	61.45	200	NA	<0.50	<0.50	<0.50	<0.50	6.0
	04/08/04	19.29		60.37	140	NA	<0.50	<0.50	<0.50	<0.50	12
	08/10/04	18.86		60.80	110	NA	4.6	<0.50	<0.50	0.51	73
	11/11/04	19.81		59.85	160	NA	<0.50	<0.50	<0.50	<0.50	150
	01/19/05	18.12		61.54	440	NA	<0.50	<0.50	1.4	<0.50	140
	04/14/05	13.94		65.72	320	NA	<0.50	<0.50	<0.50	<0.50	120
	07/19/05	14.11		65.55	240	NA	6.1	<0.50	0.60	<0.50	60
	10/24/05	16.53		63.13	320	NA	5.0	<0.50	1.1	<0.50	37
	02/02/06	15.27		64.39	<50	NA	<0.50	<0.50	<0.50	<0.50	45
	04/27/06	9.59		70.07	<50	NA	<0.50	<0.50	<0.50	<0.50	7.7

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S-2	02/12/87		Sheen				3,400	3,800	1,300	11,000	NA
	03/03/95	15.39	76.86	61.47	24,000	6,000	1,900	440	600	2,500	NA
	07/24/95	14.47		62.39	NA	NA	NA	NA	NA	NA	NA
Sheen	11/22/95	21.52	80.93	59.41	NA	NA	NA	NA	NA	NA	NA
	12/06/95	21.78		59.15	NA	NA	NA	NA	NA	NA	NA
	01/04/96	21.75		59.18	NA	NA	NA	NA	NA	NA	NA
	01/31/97	17.25		63.68	NA	NA	NA	NA	NA	NA	NA
Sheen	10/10/97	21.21		59.72	13,000	<50	260	38	190	280	600*
Sheen	01/20/98	19.07		61.86	1,900	2,300	4.6	6.3	<0.5	4.6	190*
	04/28/98	10.47		70.46	22,000	<100	980	160	320	680	570*
	07/31/98	13.71		67.22	160,000	<50	950	290	550	1,700	550*
	11/02/98	17.31		63.62	14,000	<500	170	70	170	230	490*
	06/10/99	16.48		64.45	17,000	<50	650	230	<25	750	490*[1]
	10/18/00	19.70		61.23	4,400	<50	2	64	5.1	12	270
	03/12/02	18.56		62.37	5,100	660	62	44	52	78	430
	11/19/02	21.70		59.23	26,000	NA	1,400	180	520	340	750
	01/09/03	20.37		60.56	16,000	NA	120	32	76	214	270
	04/14/03	19.93		61.00	16,000	NA	160	76	210	290	400
	07/21/03	22.00		58.93	9,700	NA	270	90	200	277	410
	10/09/03	21.58		59.35	10,000	NA	39	9.2	52	26.5	180
	01/15/04	20.44	81.90	61.46	6,300	NA	21	<2.0 [3]	20	3.1	130
	04/08/04	17.15		64.75	13,000	NA	160	76	170	231	430
	08/10/04	20.98		60.92	10,000	NA	76	13	<5.0[3]	500	92
	11/11/04	21.95		59.95	20,000	NA	530	240	370	1,730	420
	01/19/05	20.33		61.57	17,000	NA	590	150	250	990	580
	04/14/05	16.17		65.73	20,000	NA	830	230	570	1,980	510
	07/19/05	16.25		65.65	970	NA	48	13	16	57	72
	10/24/05	18.07		63.83	1,200	NA	100	13	52	41	69
	02/02/06	17.26		64.64	2,000	NA	17	12	26	108	340
	04/27/06	11.55		70.35	130	NA	5.1	1.1	2.8	8.8	81

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MW-3	03/03/95	13.99	76.30	62.31	2,500	1,600	540	92	36	200	NA
	07/24/95	13.33		62.97	NA	NA	NA	NA	NA	NA	NA
	11/22/95	20.94	80.32	59.38	14,000	5,400	5,700	230	430	650	820*
	12/06/95	17.48		62.84	NA	NA	NA	NA	NA	NA	NA
	01/04/96	20.01		60.31	NA	NA	NA	NA	NA	NA	NA
	01/31/97	16.63		63.69	1,100	<50	130	8	5	5	NA
	10/10/97	20.62		59.70	3,400	1,100	830	4	100	<10	160*
	01/20/98	15.40		64.92	3,900	550	7.9	4.1	<0.5	3.7	<5.0*
	04/28/98	10.51		69.81	800	1,000	82	5.2	5.7	5.4	240*
	07/31/98	13.46		66.86	2,200	610	510	7.6	16	5.27	310*
	11/02/98	17.11		63.21	4,900	1,600	220	16	13	13.7	180*
	06/10/99	15.24		65.08	1,000	120	<0.5	<0.5	<0.5	1.1	120*[1]
	10/18/00	15.41		64.91	<50	<50	<0.5	<0.5	<0.5	<0.5	12
	04/08/04	13.70		66.62	<50	NA	<0.50	<0.50	<0.50	<0.50	19
	08/10/04	16.96		63.36	580	NA	19	<1.0[3]	<1.0[3]	3.3	300
	11/11/04	17.40		62.92	3,000	NA	810	<5.0[3]	43	<5.0[3]	690
	01/19/05	13.28		67.04	92	NA	18	<0.50	0.77	<0.50	17
	04/14/05	8.73		71.59	<50	NA	0.52	<0.50	<0.50	<0.50	11
	07/19/05	11.94		68.38	390	NA	82	2.3	1.8	9.2	200
	10/24/05	14.70	77.27	62.57	2,100	NA	460	6.9	7.7	11.9	300
	02/02/06	16.48		60.79	530	NA	11	<0.50	1.2	1.1	560
	04/27/06	7.85		69.42	<300[3]	NA	<1.5[3]	<1.5[3]	<1.5[3]	<1.5[3]	180

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MW-4	11/22/95	14.99	76.42	61.43	<50	200	<0.5	1.5	<0.5	1.7	6.4*
	12/06/95	11.21		65.21	NA	NA	NA	NA	NA	NA	NA
	01/04/96	14.62		61.80	NA	NA	NA	NA	NA	NA	NA
	01/31/97	8.18		68.24	<50	<50	<0.5	2	<0.5	2	11*
	10/10/97	14.14		62.28	<50	<50	<0.5	<0.5	<0.5	<2	<5.0*
	01/20/98	7.05		69.37	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	04/28/98	5.88		70.54	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	07/31/98	8.40		68.02	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	11/02/98	16.08		60.34	NA	NA	NA	NA	NA	NA	NA
	06/10/99	14.81		61.61	NA	NA	NA	NA	NA	NA	NA
	10/18/00	12.71		63.71	<50	<50	<0.5	0.59	0.82	0.53	<5.0*
	03/12/02	8.92		67.50	<50	<50	<0.5	0.61	0.72	2.5	1.8
	11/19/02	13.24		-13.24	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	01/09/03	11.00		-11.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/14/03	11.03		-11.03	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/21/03	13.10		-13.10	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	10/09/03	13.33		-13.33	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	01/15/04	12.14		-12.14	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/08/04	10.76		65.66	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	08/10/04	12.62		63.80	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	11/11/04	11.93		64.49	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	01/19/05	10.34		66.08	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/14/05	5.66	[4]	NM	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/19/05	7.55	[4]	NM	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	10/24/05	10.12	76.26	66.14	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	02/02/06	6.99		69.27	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/27/06	NM		NM	Well Not Monitored or Sampled - Covered						

TABLE 1

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Former USA Service Station No. 57

10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	TPHG (µg/L)	TPHD (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
MW-5	11/22/95	19.56	80.52	60.96	<50	280	<0.5	1.8	<0.5	3	2.2*
	12/06/95	15.84		64.68	NA	NA	NA	NA	NA	NA	NA
	01/04/96	19.36		61.16	NA	NA	NA	NA	NA	NA	NA
	01/31/97	13.31		67.21	80	<50	<0.5	0.6	<0.5	2	6*
	10/10/97	17.80		62.72	<50	<50	<0.5	<0.5	<0.5	<2	<5*
	01/20/98	12.58		67.94	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	04/28/98	9.45		71.07	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	07/31/98	7.38		73.14	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	11/02/98	15.98		64.54	<50	<500	<0.5	<0.5	<0.5	<0.5	<5.0*
	06/10/99	14.60		65.92	NA	NA	NA	NA	NA	NA	NA
	10/18/00	17.77		62.75	<50	<50	<0.5	0.75	<0.5	0.79	28
	03/12/02	15.72		64.80	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	11/19/02	NM		NM				Well Damaged			
	01/09/03	NM		NM				Well Damaged			
	04/14/03	NM		NM				Well Damaged			
	07/21/03	NM		NM				Well Damaged			
	10/09/03	NM		NM				Well Damaged			
	01/15/04	NM		NM				Well Damaged			
	04/08/04	16.80		63.72	<100	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	08/10/04	18.58		61.94	89	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	11/11/04	NM		NM				Well Damaged			
	01/19/05	NM		NM				Well Damaged			
	04/14/05	10.57	[4]	NM	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/19/05	11.77	[4]	NM	<100[2]	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	10/24/05	14.29	80.78	66.49	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	02/02/06	NM		NM				Well Not Monitored or Sampled - Under Soil Pile			
	04/27/06	7.42		73.36	<100[2]	NA	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY

Former USA Service Station No. 57

10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	TPHG (µg/L)	TPHD (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
MW-6	11/22/95	21.73	81.64	59.91	<50	140	<0.5	1.2	<0.5	1.5	5.3*
	12/06/95	18.03		63.61	NA	NA	NA	NA	NA	NA	NA
	01/04/96	21.67		59.97	NA	NA	NA	NA	NA	NA	NA
	01/31/97	16.01		65.63	70	<50	<0.5	2	<0.5	<1	5*
	10/10/97	20.55		61.09	80	<50	<0.5	<0.5	<0.5	<2	<5*
	01/20/98	15.74		65.90	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	04/28/98	10.78		70.86	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	07/31/98	13.97		67.67	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	11/02/98	17.97		63.67	NA	NA	NA	NA	NA	NA	NA
	06/10/99	16.92		64.72	NA	NA	NA	NA	NA	NA	NA
	10/18/00	NM		NM	Unable to Locate						
	03/12/02	NM		NM	Unable to Locate						
	11/19/02	NM		NM	Unable to Locate						
	01/09/03	NM		NM	Unable to Locate						
	04/14/03	NM		NM	Unable to Locate						
	07/21/03	NM		NM	Unable to Locate						
	10/19/03	NM		NM	Unable to Locate						
	01/15/04	NM		NM	Unable to Locate						
	04/08/04	NM		NM	Well Obstructed - Not Sampled						
	08/10/04	NM		NM	Well Obstructed - Not Sampled						
	11/11/04	NM		NM	Well Obstructed - Not Sampled						
	01/19/05	NM		NM	Well Obstructed - Not Sampled						
	04/14/05	15.78		65.86	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/19/05	NM		NM	Well Obstructed - Not Sampled						
	10/24/05	NM	82.32	NM	Well Obstructed - Not Sampled						
	02/02/06	15.93		66.39	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/27/06	11.00		71.32	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY

Former USA Service Station No. 57

10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	TPHG (µg/L)	TPHD (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
MW-7	11/22/95	19.38	78.86	59.48	<50	180	<0.5	0.57	<0.5	0.62	0.73*
	12/06/95	19.72		59.14	NA	NA	NA	NA	NA	NA	NA
	01/04/96	19.76		59.10	NA	NA	NA	NA	NA	NA	NA
	01/31/97	15.25		63.61	70	<50	0.7	1	<0.5	<1	8*
	10/10/97	19.03		59.83	<50	<50	<0.5	<0.5	<0.5	<2	15*
	01/20/98	17.11		61.75	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	04/28/98	8.22		70.64	<50	<50	<0.5	<0.5	<0.5	<0.5	9.3*
	07/31/98	11.53		67.33	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	11/02/98	15.15		63.71	NA	NA	NA	NA	NA	NA	NA
	06/10/99	14.23		64.63	NA	NA	NA	NA	NA	NA	NA
	10/18/00	17.59		61.27	NA	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	03/12/02	16.54		62.32	<50	<50	<0.5	<0.5	<0.5	<0.5	2.9
	11/19/02	19.59		-19.59	<50	NA	<0.50	<0.50	<0.50	<0.50	3.8
	01/09/03	18.38		-18.38	<50	NA	<0.50	<0.50	<0.50	<0.50	2.7
	04/14/03	18.17		-18.17	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/21/03	20.29		-20.29	<50	NA	<0.50	<0.50	<0.50	<0.50	1.8
	10/09/03	19.48		-19.48	<50	NA	<0.50	<0.50	<0.50	<0.50	2.9
	01/15/04	18.45	79.81	61.36	<50	NA	<0.50	<0.50	<0.50	<0.50	2.6
	04/08/04	17.28		62.53	<50	NA	<0.50	<0.50	<0.50	<0.50	0.81
	08/10/04	18.85		60.96	<50	NA	<0.50	<0.50	<0.50	<0.50	2.1
	11/11/04	19.85		59.96	<50	NA	<0.50	<0.50	<0.50	<0.50	1.0
	01/19/05	19.59		60.22	<50	NA	<0.50	<0.50	<0.50	<0.50	1.5
	04/14/05	14.17		65.64	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/19/05	14.16		65.65	<50	NA	<0.50	<0.50	<0.50	<0.50	1.9
	10/24/05	16.65		63.16	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	02/02/06	15.39		64.42	<50	NA	<0.50	<0.50	<0.50	<0.50	1.3
	04/27/06	8.51		71.30	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY

Former USA Service Station No. 57

10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	TPHG (µg/L)	TPHD (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
MW-8	11/22/95	33.33	79.55	46.22	<50	360	<0.5	1.3	<0.5	2.1	2.1*
	12/06/95	17.57		61.98	NA	NA	NA	NA	NA	NA	NA
	01/04/96	20.08		59.47	NA	NA	NA	NA	NA	NA	NA
	01/31/97	18.72		60.83	80	<50	0.6	1	<0.5	1	8*
	10/10/97	20.26		59.29	50	<50	<0.5	<0.5	<0.5	<2	<5*
	01/20/98	15.91		63.64	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	04/28/98	10.39		69.16	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	07/31/98	12.93		66.62	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	11/02/98	16.90		62.65	<50	<500	<0.5	<0.5	<0.5	<0.5	<5.0*
	06/10/99	14.98		64.57	NA	NA	NA	NA	NA	NA	NA
	10/18/00	16.27		63.28	<50	<50	<0.5	<0.5	1.1	6.3	8.6*
	03/12/02	14.56		64.99	<50	<50	<0.5	0.63	0.55	1.7	0.94
	11/19/02	21.14		-21.14	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	01/09/03	17.90		-17.90	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/14/03	17.84		-17.84	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/21/03	19.79		-19.79	<100[2]	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	10/09/03	21.02		-21.02	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	01/15/04	18.10	80.50	62.40	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/08/04	17.51		62.99	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	08/10/04	20.76		59.74	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	11/11/04	21.38		59.12	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	01/19/05	17.20		63.30	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/14/05	12.68		67.82	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/19/05	15.78		64.72	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	10/24/05	18.68		61.82	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	02/02/06	14.57		65.93	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/27/06	10.48		70.02	<100[2]	NA	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY

Former USA Service Station No. 57

10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	TPHG (µg/L)	TPHD (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
EX-1	10/24/05	14.37	77.72	63.35	5,000	NA	140	8.4	20	195	360
	02/02/06	1.68		76.04	3,000	NA	3.6	<0.50	14	55.5	0.63
	04/27/06	1.76		75.96	130	NA	0.98	<0.50	<0.50	2.42	<0.50
EX-2	10/24/05	16.00	76.96	60.96	42,000	NA	13,000	1,300	1,300	2,580	410
	02/02/06	8.18		68.78	28,000	NA	9,000	1,300	1,100	3,340	200
	04/27/06	5.22		71.74	24,000	NA	4,000	1,800	650	3,900	86
EX-3	10/24/05	14.85	78.87	63.02	20,000	NA	220	21	660	3,110	<10[3]
	02/02/06	NM		NM	Well Not Monitored or Sampled - Under Soil Pile						
	04/27/06	NM		NM	Well Not Monitored or Sampled - Covered						
EX-4	10/24/05	14.93	77.96	63.03	1,900	NA	390	69	8.8	90	11
	02/02/06	NM		NM	Well Not Monitored or Sampled - Under Soil Pile						
	04/27/06	NM		NM	Well Not Monitored or Sampled - Covered						

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY

Former USA Service Station No. 57

10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	TPHG (µg/L)	TPHD (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)

Note:

* = MTBE analyzed using EPA Method 8020/8021B

MTBE = Methyl tert-butyl ether

TPHD = Total petroleum hydrocarbons as diesel

TPHG = Total petroleum hydrocarbons as gasoline

TPHG analyzed using EPA Method 8015B and the remaining analytes using EPA Method 8260B

msl = Mean sea level

µg/L = micrograms per liter

NA = Not analyzed

NM = Not measured

[1] Laboratory indicates the chromatogram does not match the diesel hydrocarbon range pattern.

[2] Reporting limits were increased due to sample foaming.

[3] Reporting limits were increased due to high concentrations of target analytes.

[4] Casing elevation invalid - well casing modified (cut) on April 12, 2005.

Monitoring wells surveyed by Morrow Surveying on February 10, 2004, and again on November 29, 2005.

Data prior to November 19, 2002 provided by GHH Engineering.

TABLE 2

GROUNDWATER ANALYTICAL RESULTS FOR OXYGENATES AND ADDITIONAL COMPOUNDS

Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
S-1	11/19/02	190	<10	<1.0	<1.0	<1.0	NA	NA	NA	NA
	01/09/03	11	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	04/14/03	27	<20[2]	<2.0[2]	<2.0[2]	<2.0[2]	NA	NA	NA	NA
	07/21/03	11	<10[2]	<1.0	<1.0	<1.0	NA	NA	NA	NA
	10/09/03	8.8	6.4	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	01/15/04	6.0	10	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	04/08/04	12	8.5	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	08/10/04	73	28	<1.0	<1.0	<1.0	16	<2.0	<5,000	<5,000
	11/11/04	150	14	<1.0	<1.0	<1.0	7.3	<2.0	<5,000	<5,000
	01/19/05	140	14	<1.0	<1.0	<1.0	3.8	<2.0	<5,000	<5,000
	04/14/05	120	10	<1.0	<1.0	<1.0	1.4	<2.0	<5,000	<5,000
	07/19/05	60	11	<1.0	<1.0	<1.0	9.6	<2.0	<5,000	<5,000
	10/24/05	37	<10	<1.0	<1.0	<1.0	2.2	<2.0	<5,000	<5,000
	02/02/06	45	<10	<1.0	<1.0	<1.0	1.2	<2.0	<5,000	<5,000
	04/27/06	7.7	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
FOR OXYGENATES AND ADDITIONAL COMPOUNDS

Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
S-2	11/19/02	750	<200[1]	<20[1]	<20[1]	<20[1]	NA	NA	NA	NA
	01/09/03	270	<100[1]	<10[1]	<10[1]	<10[1]	NA	NA	NA	NA
	04/14/03	400	95	<5.0[1]	<5.0[1]	<5.0[1]	NA	NA	NA	NA
	07/21/03	410	110	<5.0[1]	<5.0[1]	<5.0[1]	NA	NA	NA	NA
	10/09/03	180	57	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<20[1]	NA	NA
	01/15/04	130	48	<4.0[1]	<4.0[1]	<4.0[1]	<4.0[1]	<16[1]	NA	NA
	04/08/04	430	130	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<20[1]	<5,000	<5,000
	08/10/04	92	<100[1]	<10[1]	<10[1]	<10[1]	74	<40[1]	<5,000	<5,000
	11/11/04	420	<200[1]	<20[1]	<20[1]	<20[1]	<20[1]	<80[1]	<5,000	<5,000
	01/19/05	580	200	<5.0[1]	<5.0[1]	<5.0[1]	8.2	<20[1]	<5,000	<5,000
	04/14/05	510	150	<10[1]	<10[1]	<10[1]	<10[1]	<40[1]	<5,000	<5,000
	07/19/05	72	37	<1.0	<1.0	<1.0	38	<2.0	<5,000	<5,000
	10/24/05	69	33	<1.0	<1.0	<1.0	35	<4.0[1]	<5,000	<5,000
	02/02/06	340	150	<1.0	<1.0	<1.0	3.2	<4.0[1]	<5,000	<5,000
	04/27/06	81	<10	<1.0	<1.0	<1.0	1.3	<2.0	<5,000	<5,000

TABLE 2

GROUNDWATER ANALYTICAL RESULTS FOR OXYGENATES AND ADDITIONAL COMPOUNDS

Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-3	04/08/04	19	7.6	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	08/10/04	300	2,000	2.2	<2.0[1]	<2.0[1]	270	<8.0[1]	<5,000	<5,000
	11/11/04	690	1,400	<10[1]	<10[1]	<10[1]	140	<40[1]	<5,000	<5,000
	01/19/05	17	19	<1.0	<1.0	<1.0	1.4	<2.0	<5,000	<5,000
	04/14/05	11	25	<1.0	<1.0	<1.0	6.2	<2.0	<5,000	<5,000
	07/19/05	200	1,000	<2.0[1]	<2.0[1]	<2.0[1]	240	<8.0[1]	<5,000	<5,000
	10/24/05	300	750	<5.0[1]	<5.0[1]	<5.0[1]	210	<20[1]	<5,000	<5,000
	02/02/06	560	1,300	2.7	<1.0	<1.0	98	<4.0[1]	<5,000	<5,000
	04/27/06	180	330	<3.0[1]	<3.0[1]	<3.0[1]	220	<12[1]	<5,000	<5,000
MW-4	11/19/02	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	01/09/03	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	04/14/03	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	07/21/03	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	10/09/03	<0.50	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	01/15/04	<0.50	7.8	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	04/08/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	08/10/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	11/11/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	01/19/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	04/14/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	07/19/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	10/24/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	02/02/06	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	04/27/06	Well Not Monitored or Sampled - Covered								

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
FOR OXYGENATES AND ADDITIONAL COMPOUNDS

Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-5	11/19/02					Well Damaged				
	01/09/03					Well Damaged				
	04/14/03					Well Damaged				
	07/21/03					Well Damaged				
	10/09/03					Well Damaged				
	01/15/04					Well Damaged				
	04/08/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<4.0[2]	<5,000	<5,000
	08/10/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	11/11/04					Well Damaged				
	01/19/05					Well Damaged				
	04/14/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	07/19/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<4.0[2]	<5,000	<5,000
	10/24/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	02/02/06	Well Not Monitored or Sampled - Under Soil Pile								
	04/27/06	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<4.0[2]	<5,000	<5,000

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
FOR OXYGENATES AND ADDITIONAL COMPOUNDS

Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-6	11/19/02				Unable to Locate					
	01/09/03				Unable to Locate					
	04/14/03				Unable to Locate					
	07/21/03				Unable to Locate					
	10/19/03				Unable to Locate					
	01/15/04				Unable to Locate					
	04/08/04				Well Obstructed - Not Sampled					
	08/10/04				Well Obstructed - Not Sampled					
	11/11/04				Well Obstructed - Not Sampled					
	01/19/05				Well Obstructed - Not Sampled					
	04/14/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	07/19/05				Well Obstructed - Not Sampled					
	10/24/05				Well Obstructed - Not Sampled					
	02/02/06	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	04/27/06	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
FOR OXYGENATES AND ADDITIONAL COMPOUNDS

Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-7	11/19/02	3.8	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	01/09/03	2.7	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	04/14/03	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	07/21/03	1.8	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	10/09/03	2.9	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	01/15/04	2.6	7.9	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	04/08/04	0.81	9.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	08/10/04	2.1	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	11/11/04	1.0	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	01/19/05	1.5	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	04/14/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	07/19/05	1.9	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	10/24/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	02/02/06	1.3	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	04/27/06	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
FOR OXYGENATES AND ADDITIONAL COMPOUNDS

Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-8	11/19/02	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	01/09/03	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	04/14/03	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	07/21/03	<0.50	<10[2]	<1.0	<1.0	<1.0	NA	NA	NA	NA
	10/09/03	<0.50	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	01/15/04	<0.50	9.9	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	04/08/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	08/10/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	11/11/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	01/19/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	04/14/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	07/19/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	10/24/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	02/02/06	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	04/27/06	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<4.0[2]	<5,000	<5,000

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
FOR OXYGENATES AND ADDITIONAL COMPOUNDS

Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
EX-1	10/24/05	360	120	<1.0	<1.0	<1.0	<1.0	<4.0[1]	<5,000	<5,000
	02/02/06	0.63	<10	<1.0	<1.0	<1.0	<1.0	<4.0[1]	<5,000	<5,000
	04/27/06	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
EX-2	10/24/05	410	<2,000[1]	<200[1]	<200[1]	<200[1]	<200[1]	<800[1]	<5,000	<5,000
	02/02/06	200	<1,000[1]	<100[1]	<100[1]	<100[1]	<100[1]	<400[1]	<5,000	<5,000
	04/27/06	86	<500[1]	<50[1]	<50[1]	<50[1]	<50[1]	<200[1]	<5,000	<5,000
EX-3	10/24/05	<10[1]	<200[1]	<20[1]	<20[1]	<20[1]	<20[1]	<80[1]	<5,000	<5,000
	02/02/06	Well Not Monitored or Sampled - Under Soil Pile								
	04/27/06	Well Not Monitored or Sampled - Covered								
EX-4	10/24/05	11	51	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<20[1]	<5,000	<5,000
	02/02/06	Well Not Monitored or Sampled - Under Soil Pile								
	04/27/06	Well Not Monitored or Sampled - Covered								

Note:

Oxygenates analyzed using EPA Method 8260B
µg/L = micrograms per liter
NA = Not analyzed

[1] Reporting limits were increased due to high concentrations of target analytes
[2] Reporting limits were increased due to sample foaming

MTBE = Methyl tertiary butyl ether
TBA = Tertiary butyl alcohol
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane

Table 3
Former USA Service Station No. 57
10700 MacArthur Boulevard
Oakland, California
Monitoring Plan Summary

Parameter	Sampling Frequency	Parameter Significance	Sampling Locations
Field Parameters			
pH	Monthly	Optimum pH range for microbial activity is 6. 5 to 7.5.	EX-1 through EX-3, MW-7 MW-8, and all injection wells
Dissolved Oxygen (DO)	Monthly	Oxygen serves as electron acceptor during biodegradation and the microbial activity is directly related to the availability of electron acceptors.	EX-1 through EX-3, MW-7 MW-8, and all injection wells
Laboratory Parameters			
Heterotrophic plate counts	Quarterly	Typical bacterial counts for groundwater range from 10^3 to 10^8 counts per liter and in counts below 10^3 for contaminated groundwater.	EX-1 through EX-3, MW-7 MW-8, and all injection wells
Biochemical Oxygen Demand (BOD)	Quarterly	BOD determines the amount of oxygen required due to biochemical oxidation of organic matter. Increase in BOD is an indication of high oxygen demand (lack of oxygen). A decrease in BOD, accompanied by an increase in DO levels, can be a good indicator of microbial activitity in the subsurface.	EX-1 through EX-3, MW-7 MW-8, and all injection wells
Total Iron & Ferrous iron	Quarterly	Oxygen, a by-product of ozone degradation can react with dissolved iron in groundwater to form ferric oxide, a soluble precipitate.	EX-1 through EX-3, MW-7 MW-8, and all injection wells
Petroleum Hydrocarbons & Oxygenates	Quarterly	Chemicals of concern. Baseline and operational concentration levels will be compared in evaluating performance of ozone injection system.	EX-1 through EX-3, MW-7 MW-8, and all injection wells
Total Organic Carbon (TOC)	Quarterly	TOC is a measure of total concentration of organic carbon that may be available for biodegradation. Carbon from the petroleum hydrocarbons is the primary energy source for microbes.	EX-1 through EX-3, MW-7 MW-8, and all injection wells
Bioparameters (Nitrates, sulfates, & phosphates)	Quarterly	Nitrates, sulfates and phosphates are nutrients required for microbial growth and reproduction.	EX-1 through EX-3, MW-7 MW-8, and all injection wells
Total dissolved solids (TDS)	Quarterly	TDS is a measure of dissolved inorganic constituents and small amounts of organic matter. Precipitation of inorganic constituents in groundwater due to oxygen injection can result in scaling.	EX-1 through EX-3, MW-7 MW-8, and all injection wells

TABLE 4

Physical Parameter Summary

Former USA Service Station No. 57
10700 McArthur Boulevard Oakland, California

Well Number	Date	Distance to nearest injection well	Depth to water feet bgs	DO mg/L	pH	ORP mV	Specific Conductivity millisiemen
S-1 (injection well)	07/19/05	Injection well	14.11	0.44	6.89	NM	681
	10/24/05	Injection well	16.53	0.95	7.05	NM	503
	01/11/06	Injection well	16.32	NM	NM	NM	NM
	01/20/06	Injection well	15.85	61.1	7.04	155.0	919
	02/02/06	Injection well	15.27	3.02	7.06	151.0	1,069
	02/15/06	Injection well	14.47	26.5	7.08	87.0	887
	03/03/06	Injection well	14.20	18	6.69	96.0	1,004
	03/24/06	Injection well	13.10	8.8[1]	7.50	322.0	924
	04/17/06	Injection well	10.40	18.2	7.10	533.0	916
	04/27/06	Injection well	9.59	15.15	7.27	NM	822
	05/04/06	Injection well	9.55	10.8	7.50	230.0	808
	05/16/06	Injection well	9.63	15.1	7.60	133.0	950
	06/09/06	Injection well	9.86	34.5	8.09	315.0	1,100
	06/30/06	Injection well	10.61	20.8	7.91	183.0	1,070
S-2 (injection well)	07/19/05	Injection well	16.25	0.74	7.24	NM	669
	10/24/05	Injection well	18.07	NM	6.88	NM	490
	01/11/06	Injection well	18.52	NM	NM	NM	NM
	01/20/06	Injection well	18.05	30.1	6.55	166.0	917
	02/02/06	Injection well	17.26	16.66	6.97	120.0	2.97
	02/15/06	Injection well	16.61	32.6	7.45	93.0	850
	03/03/06	Injection well	16.30	23.0	6.79	120.0	875
	03/24/06	Injection well	14.68	2.8[1]	7.75	283.0	1,050
	04/17/06	Injection well	12.38	19.0	7.11	521.0	790
	04/27/06	Injection well	11.55	4.17	7.17	NM	794
	05/04/06	Injection well	11.04	11.2	7.65	192.0	901
	05/16/06	Injection well	11.47	14.4	7.61	119.0	933
	06/09/06	Injection well	11.76	33.6	8.10	379.0	757
	06/30/06	Injection well	12.53	18.5	8.17	168.0	760

TABLE 4

Physical Parameter Summary

Former USA Service Station No. 57
10700 McArthur Boulevard Oakland, California

Well Number	Date	Distance to nearest injection well	Depth to water feet bgs	DO mg/L	pH	ORP mV	Specific Conductivity millisiemen
MW-3	07/19/05	Injection well	11.94	0.53	7.20	NM	784
(injection	10/24/05	Injection well	14.70	1.33	6.66	NM	561
well)	01/11/06	Injection well	12.57	NM	NM	NM	NM
	01/20/06	Injection well	12.37	30.5	6.14	179.0	1,855
	02/02/06	Injection well	16.48	11.34	6.91	125.0	1,898
	02/15/06	Injection well	10.79	34.6	6.67	96.0	1,760
	03/03/06	Injection well	11.55	31.0	6.47	147.0	1,712
	03/24/06	Injection well	10.73	9.8[1]	7.20	314.0	1,540
	04/17/06	Injection well	7.91	17.5	6.83	567.0	1,442
	04/27/06	Injection well	7.85	19.35	7.10	NM	1,230
	05/04/06	Injection well	8.85	10.2	7.15	259.0	1,357
	05/16/06	Injection well	9.45	15.6	7.28	147.0	1,611
	06/09/06	Injection well	9.09	25.1	6.91	325.0	1,329
	06/30/06	Injection well	9.92	18.8	7.53	152.0	1,596
MW-7	07/19/05	70.0	14.16	NM	7.46	NM	651
	10/24/05	70.0	16.65	NM	7.41	NM	493
	01/11/06	70.0	17.05	NM	NM	NM	NM
	01/20/06	70.0	16.20	2.0	6.49	105.0	841
	02/02/06	70.0	15.39	2.04	7.30	38.0	763
	02/15/06	70.0	13.74	2.9	6.91	8.0	828
	03/03/06	70.0	13.26	8.2	7.19	97.0	853
	03/24/06	70.0	11.99	2.6[1]	8.20	202.0	844
	04/17/06	70.0	9.40	7.2	7.68	429.0	876
	04/27/06	70.0	8.51	2.01	8.02	NM	878
	05/04/06	70.0	8.37	5.4	8.29	88.0	855
	05/16/06	70.0	8.43	9.8	7.51	72.0	856
	06/09/06	70.0	8.74	4.6	7.68	376.0	777
	06/30/06	70.0	9.50	4.6	8.26	162.0	787

TABLE 4

Physical Parameter Summary

Former USA Service Station No. 57
10700 McArthur Boulevard Oakland, California

Well Number	Date	Distance to nearest injection well	Depth to water feet bgs	DO mg/L	pH	ORP mV	Specific Conductivity millisiemen
MW-8	07/19/05	47.0	15.78	7.55	7.14	NM	798
	10/24/05	47.0	18.68	5.35	6.88	NM	480
	01/11/06	47.0	15.49	NM	NM	NM	NM
	01/20/06	47.0	15.36	8.20	5.97	124.0	541
	02/02/06	47.0	14.57	8.7	6.83	105.0	6.34
	02/15/06	47.0	13.82	6.6	6.28	10.0	459
	03/03/06	47.0	14.38	8.2	6.35	116.0	1,953
	03/24/06	47.0	12.83	2.7[1]	7.30	256.0	1,695
	04/17/06	47.0	10.72	8.1	6.66	510.0	1,464
	04/27/06	47.0	10.48	6.61	7.01	NM	1,400
	05/04/06	47.0	11.04	6.1	7.65	156.0	1,507
	05/16/06	47.0	11.86	8.3	6.97	101.0	1,733
	06/09/06	47.0	12.32	6.6	7.09	406.0	1,336
	06/30/06	47.0	12.79	7.7	7.15	156.0	1,729
EX-1	10/24/05	20.0	14.37	1.15	6.56	NM	585
	01/11/06	20.0	3.11	NM	NM	NM	NM
	01/20/06	20.0	2.13	2.50	6.79	116.0	631
	02/02/06	20.0	1.68	5.84	7.65	128.0	463
	02/15/06	20.0	2.27	2.00	7.10	4.0	646
	03/03/06	20.0	NM	NM	NM	NM	NM
	03/24/06	20.0	NM	NM	NM	NM	NM
	04/17/06	20.0	1.15	7.1	7.40	542.0	542
	04/27/06	20.0	1.76	2.4	7.39	NM	609
	05/04/06	20.0	NM	NM	NM	NM	NM
	05/16/06	20.0	NM	NM	NM	NM	NM
	06/09/06	20.0	6.77	2.2	7.62	326.0	807
	06/30/06	20.0	6.64	5.2	7.95	183.0	817

TABLE 4

Physical Parameter Summary

Former USA Service Station No. 57
10700 McArthur Boulevard Oakland, California

Well Number	Date	Distance to nearest injection well	Depth to water feet bgs	DO mg/L	pH	ORP mV	Specific Conductivity millisiemen
EX-2	10/24/05	15.0	16.00	2.83	6.85	NM	588
	01/11/06	15.0	10.22	NM	NM	NM	NM
	01/20/06	15.0	8.98	2.90	5.93	157.0	1,570
	02/02/06	15.0	8.18	15.60	6.87	138.0	18.99
	02/15/06	15.0	7.74	2.20	6.49	58.0	1,472
	03/03/06	15.0	NM	NM	NM	NM	NM
	03/24/06	15.0	NM	NM	NM	NM	NM
	04/17/06	15.0	5.74	5.6	6.86	555.0	1,223
	04/27/06	15.0	5.22	2.48	7.17	NM	1,184
	05/04/06	15.0	NM	NM	NM	NM	NM
	05/16/06	15.0	NM	NM	NM	NM	NM
	06/09/06	15.0	8.00	4.6	7.51	374.0	1,190
	06/30/06	15.0	7.37	2	7.52	9.0	1,286
EX-3	10/24/05	75	14.93	NM	7.06	NM	676
	01/11/06	75	NM	NM	NM	NM	NM
	01/20/06	75	NM	NM	NM	NM	NM
	02/02/06	75	NM	NM	NM	NM	NM
	02/15/06	75	NM	NM	NM	NM	NM
	03/03/06	75	NM	NM	NM	NM	NM
	03/24/06	75	NM	NM	NM	NM	NM
	04/17/06	75	NM	NM	NM	NM	NM
	04/27/06	75	NM	NM	NM	NM	NM
	05/04/06	75	NM	NM	NM	NM	NM
	05/16/06	75	NM	NM	NM	NM	NM
	06/09/06	75	NM	NM	NM	NM	NM
	06/30/06	75	NM	NM	NM	NM	NM

NOTES:

pH, specific conductivity, ORP and DO were measured on site using field instruments
[1] DO instrument appears to have malfunctioned

TABLE 5

Analytical Parameter Summary

Former USA Service Station No. 57
10700 McArthur Boulevard, Oakland, California

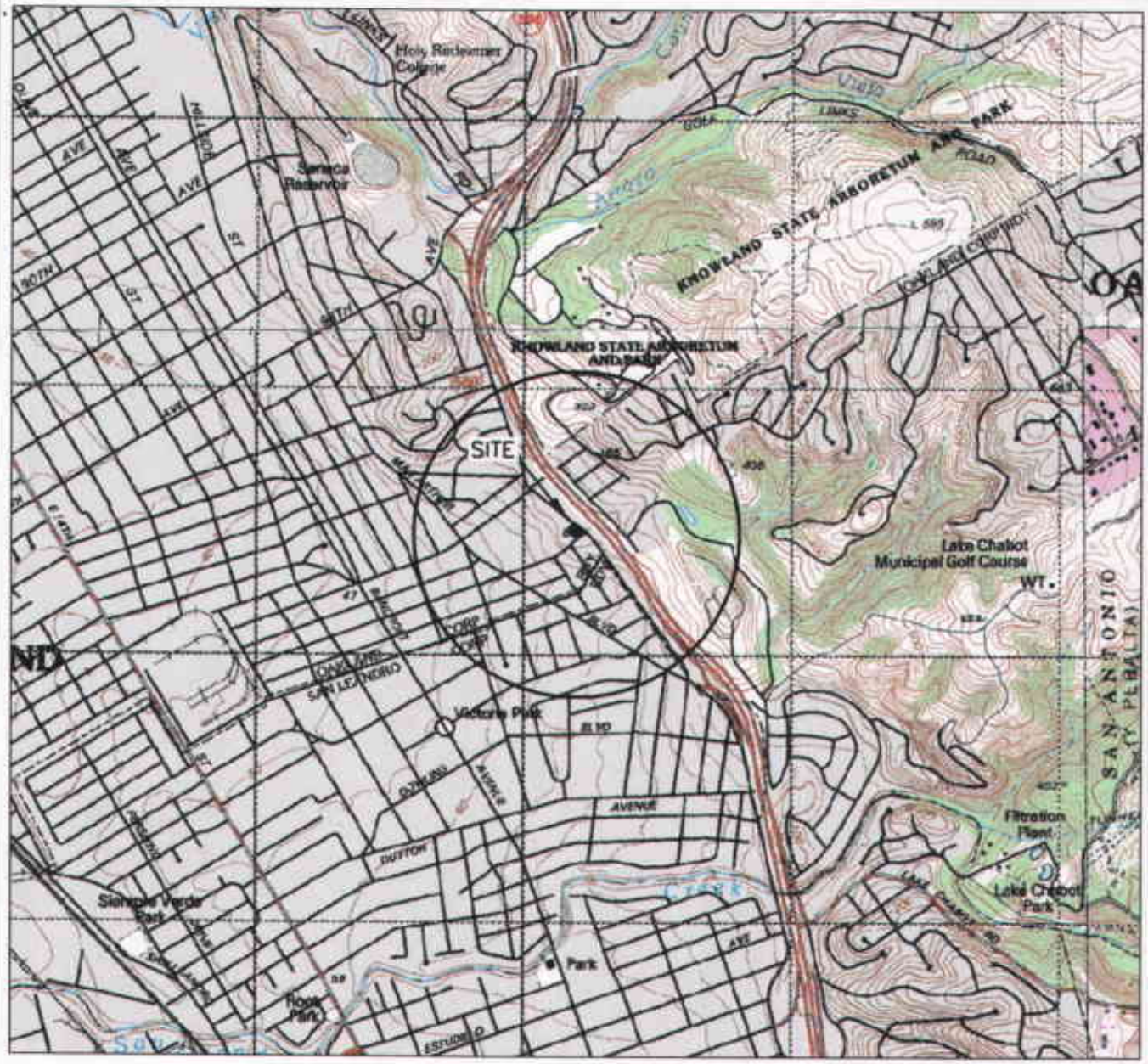
Well Number	Date	Distance to nearest injection well	BOD [1] µg/L	Heterotrophic plate count [2] CFU/ml	TOC [3] µg/L	Ferrous iron [4] µg/L	Total iron [4] µg/L	Nitrite as NO_2 [5] µg/L	Nitrate as NO_3 [5] µg/L	Ammonia Nitrogen [6] µg/L	Sulfate as SO_4 [5] µg/L	Sulfide [7] µg/L	Total Ortho-phosphates [8] µg/L	Total Phosphorus [8] µg/L
S-1	01/11/06	Injection well	<3,000	3,000	7,800	<50	690	<250	<250	<100	32,000	<100	190	120
S-2	01/11/06	Injection well	19,000	18,000	6,600	<50	<300	<250	<250	<100	2,500	<100	120	<100
MW-3	01/11/06	Injection well	<3,000	23,000	3,400	<50	420	<250	<250	<100	15,000	<100	130	120
MW-7	01/11/06	70.0	<3,000	19,000	3,900	<50	<300	<250	600	<100	21,000	<100	180	180
	04/27/06	70.0	<3,000	24	2,300	<50	<300	<250	2,400	<100	50,000	<100	210	150
MW-8	01/11/06	47.0	<3,000	380	1,500	<50	1,500	<250	4,100	<100	62,000	<100	190	170
	04/27/06	47.0	<3,000	660	1,000	<50	3,200	<250	4,200	<100	66,000	120	230	140
EX-1	01/11/06	20.0	<3,000	4,500	9,500	<50	540	<250	1,400	<100	69,000	<100	220	200
	04/27/06	20.0	<3,000	9,800	6,800	<50	6,000	<250	260	<100	69,000	<100	160	290
EX-2	01/11/06	15.0	48,000	85,000	17,000	<50	1,200	<250	<250	120	21,000	<100	230	140
	04/27/06	15.0	22,000	82,000	17,000	<50	770	<250	<250	<100	22,000	<100	140	240

NOTES:

[1] Biochemcial oxygen demand (BOD) was analyzed using EPA Method 405.1
[2] Heterotrophic plate count (HPC) was conducted using SM 9215
[3] Total organic carbon (TOC) was analyzed using EPA Method 415.1
[4] Ferrous iron & Total iron was analyzed using SM3500-Fe D
[5] Nitrite, nitrate and sulfates were analyzed using EPA Method 300.0
[6] Ammonia nitrogen was analyzed using EPA Method 350.3
[7] Sulfide was analyzed using EPA Method 376.2
[8] Total orthophosphate and total phosphorus were analyzed by EPA Method 365.2

µg/L = micrograms per liter
NA = Not analyzed
NS = Not sampled

STRATUS



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
OAKLAND, CA
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1980

QUADRANGLE LOCATION

North

0 2000 FT

SCALE 1:24,000

STRATUS ENVIRONMENTAL, INC.

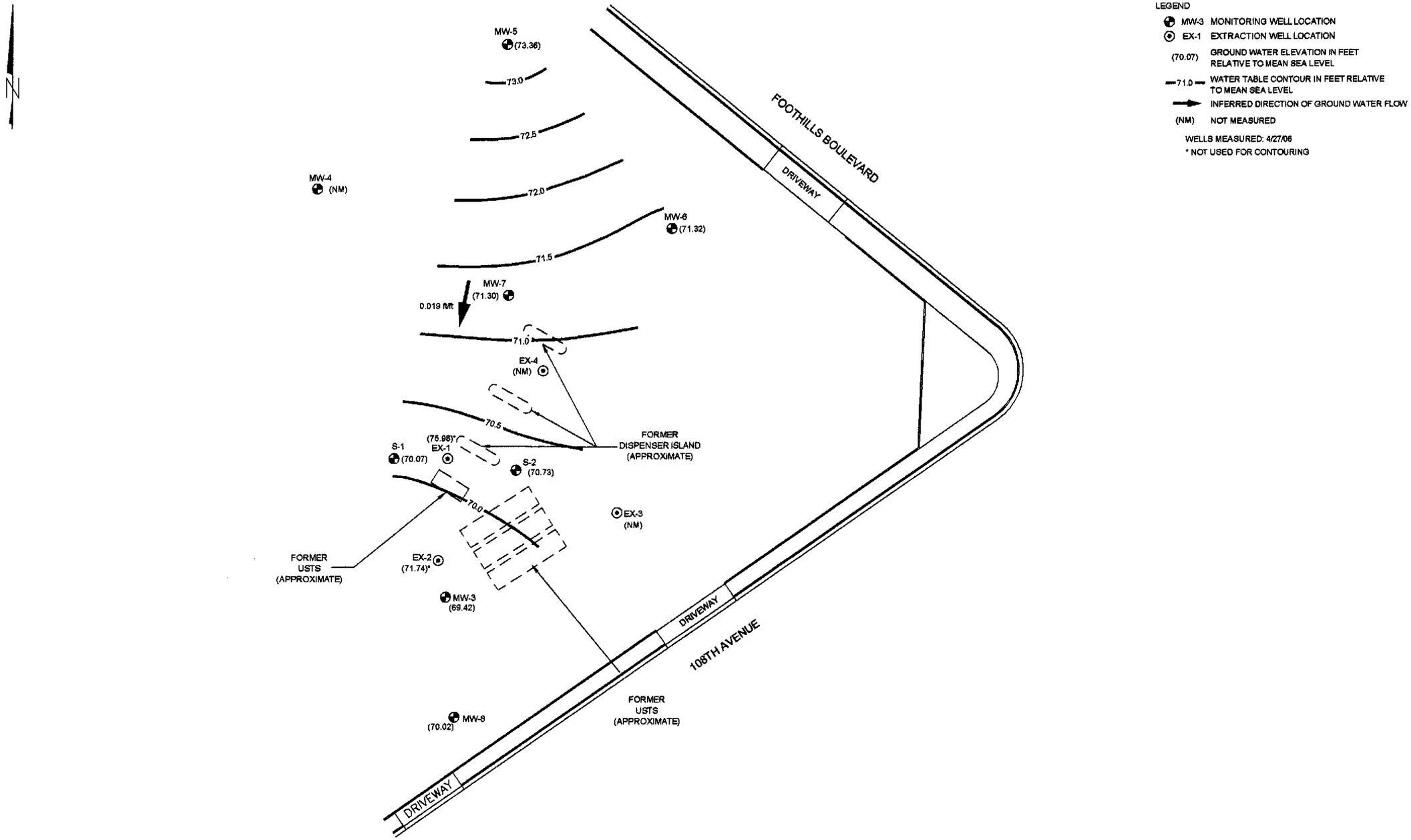
FORMER USA SERVICE STATION NO. 57
10500 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE
1

PROJECT NO.
2007-0057-01

USA ST Site Location Map.dwg Feb 22, 2008 JMP USA ST Quarterly



LEGEND

- MW-3 MONITORING WELL LOCATION
- EX-1 EXTRACTION WELL LOCATION
- (70.07) GROUND WATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
- —71.0— WATER TABLE CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL
- INFERRED DIRECTION OF GROUND WATER FLOW
- (NM) NOT MEASURED

WELLS MEASURED: 4/27/06
* NOT USED FOR CONTOURING

STRATUS ENVIRONMENTAL, INC.

0 40 FT
HORZ. SCALE

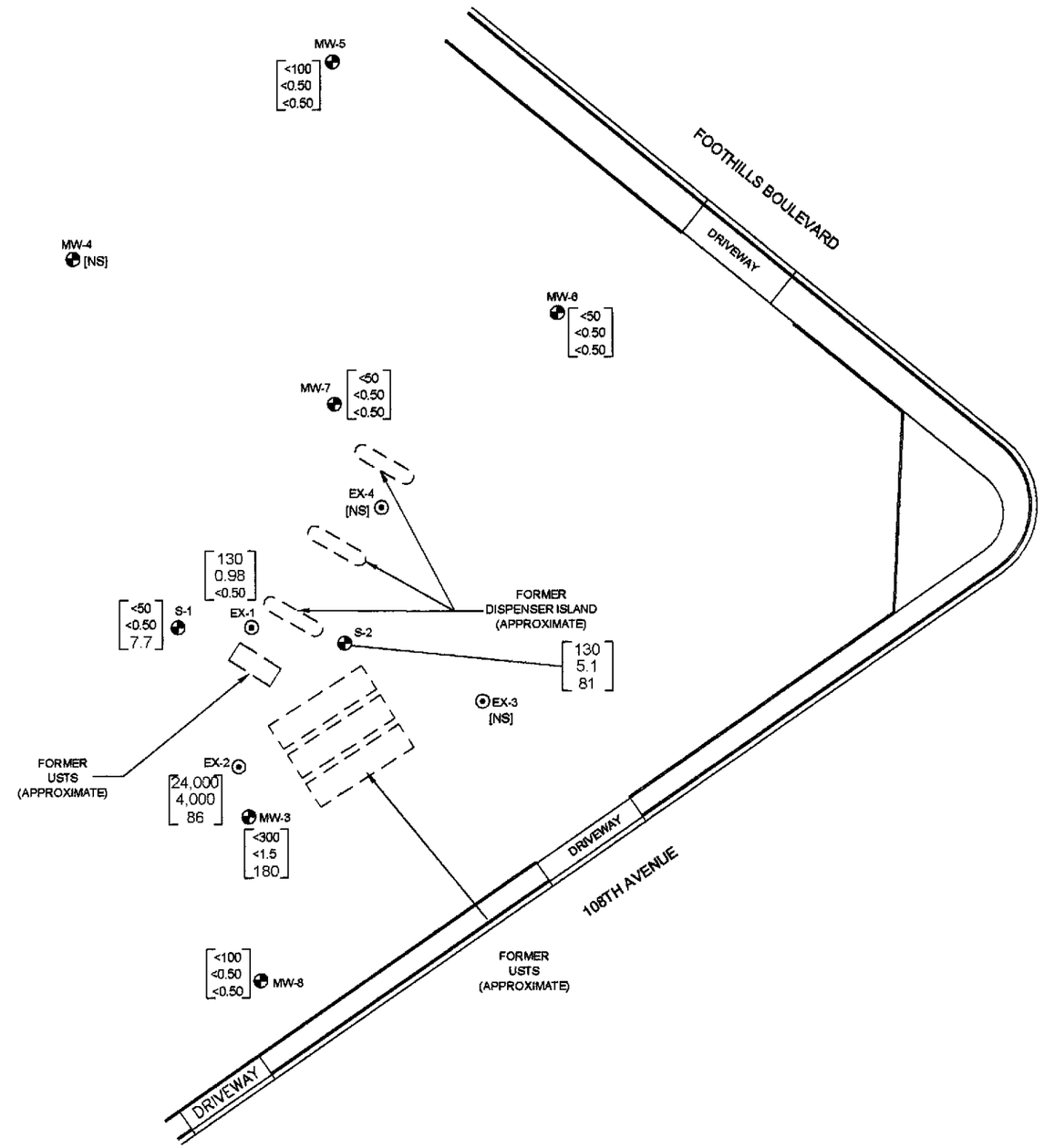
FORMER USA SERVICE STATION NO. 57
10700 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
2nd QUARTER 2006

FIGURE
2

PROJECT NO.
2007-0057-01

USA57Quarterly JMP REV May 30, 2006 USA 57 Quarterly Figure.dwg



LEGEND

MW-3 MONITORING WELL LOCATION

EX-1 EXTRACTION WELL LOCATION

[<50 / <0.50 / <0.50] TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPHG) IN µg/L; BENZENE CONCENTRATION IN µg/L; METHYL TERTIARY BUTYL ETHER CONCENTRATION (MTBE) IN µg/L

[NS] NOT SAMPLED

SAMPLES COLLECTED ON 4/27/06

TPHG ANALYZED BY EPA METHOD 8015B

BENZENE & MTBE ANALYZED BY EPA METHOD 8260B

STRATUS ENVIRONMENTAL, INC.

0 40 FT

HORZ. SCALE

FORMER USA SERVICE STATION NO. 57
10700 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

GROUNDWATER ANALYTICAL SUMMARY
2nd QUARTER 2006

FIGURE
3

PROJECT NO.
2007-0057-01

USA57Quarterly JMP REV Nov 30, 2006 USA 57 Quarterly Extra.dwg

Figure 4
DO Variation with Time at Injection Wells
Former USA Service Station No. 57
10700 MacArthur Boulevard
Oakland, California

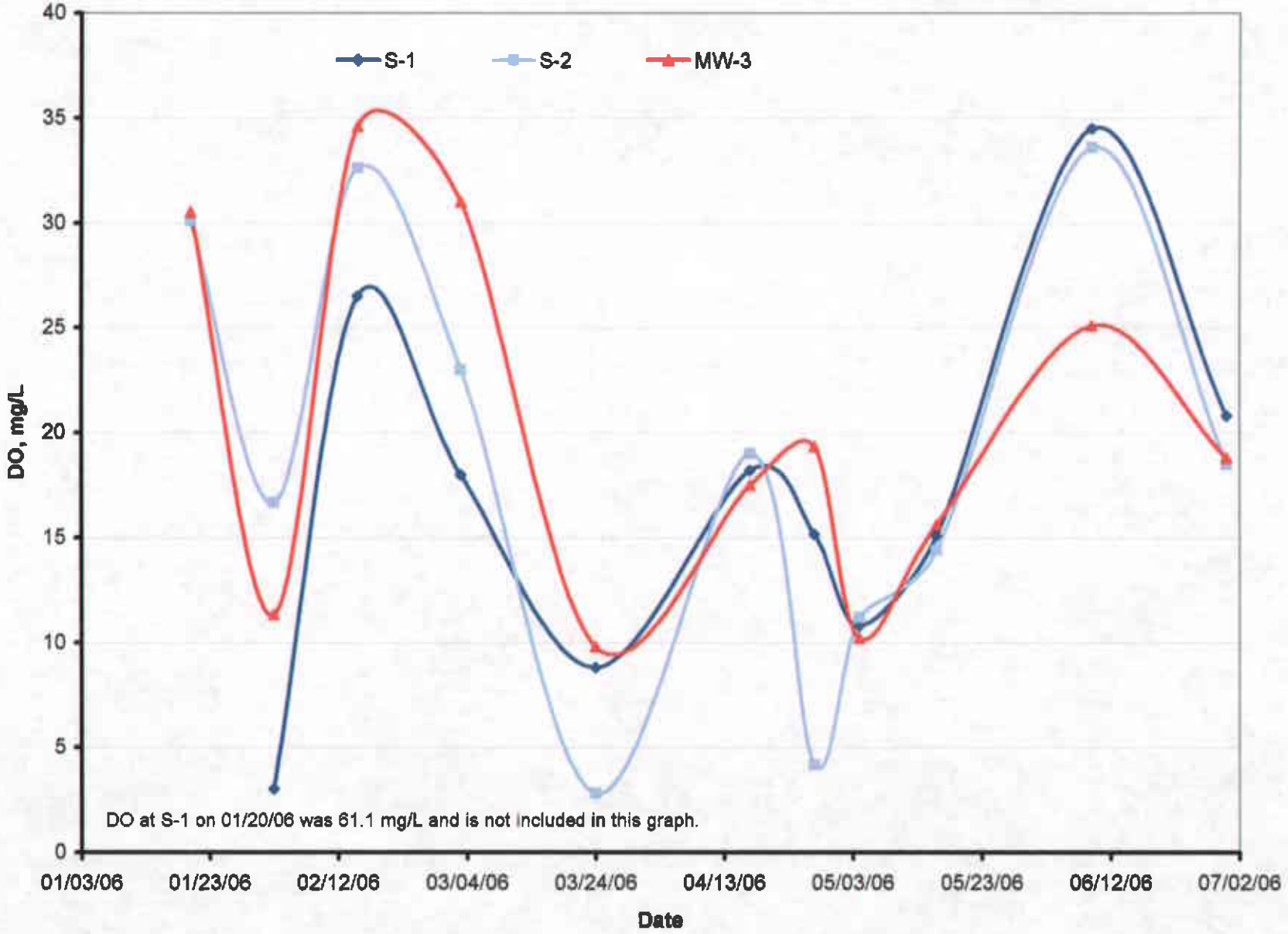
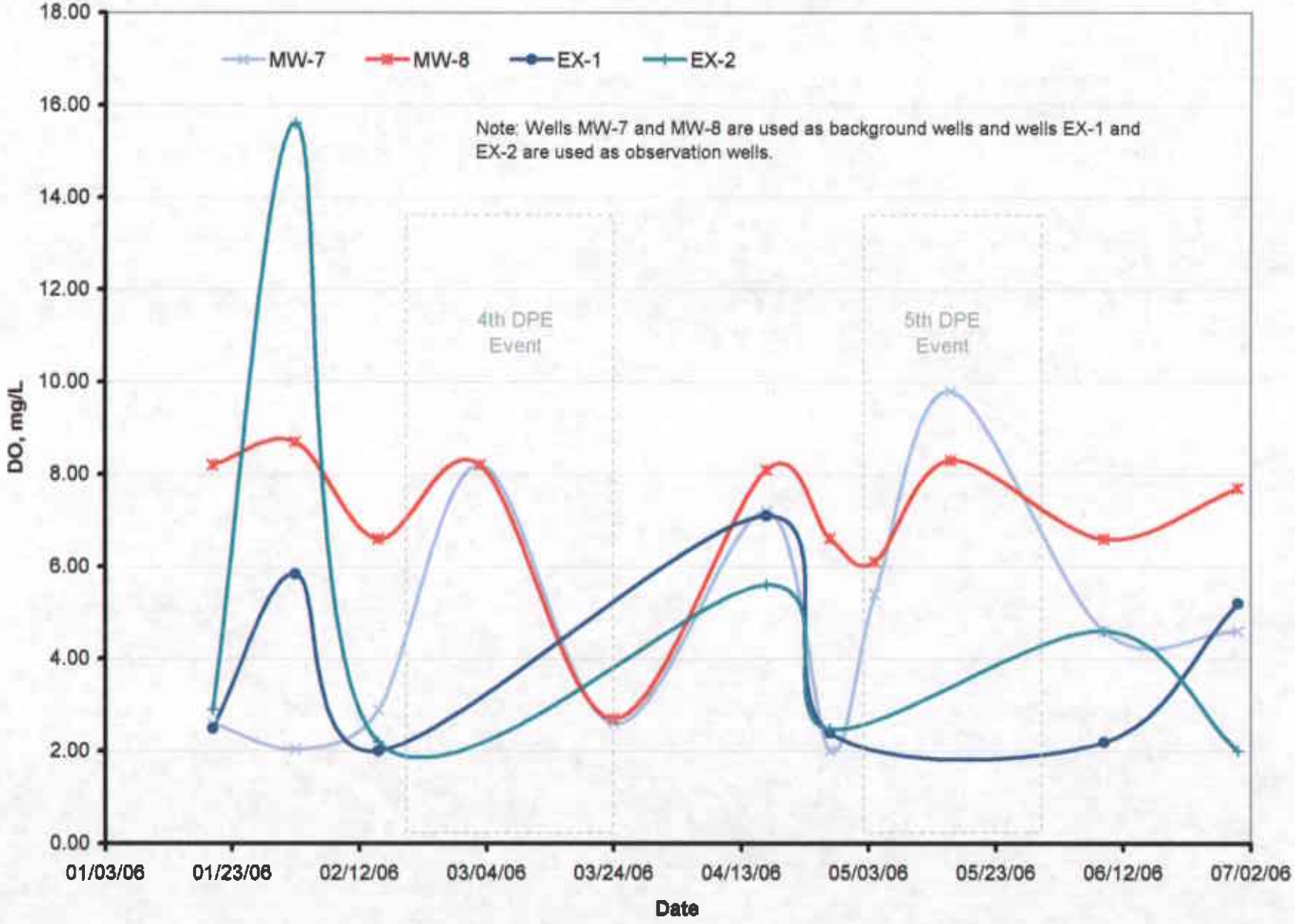


Figure 5
DO Variation with Time at Observation and Background Wells
Former USA Service Station No. 57
10700 MacArthur Boulevard
Oakland, California



APPENDIX A

FIELD DATA SHEETS

STRATUS ENVIRONMENTAL INC.

Global ID: T0600101808
Site Address 10700 Macarthur Blvd
City Oakland, CA
Sampled By: Vince and ~~GHill~~

ORIGINAL

Site Number USA 57
Project No U 57
Project PM Steve
Date 04/27/06

Signature V Zalewski Date: 4-27-06

Water Level Data						Purge Volume Calculations					Well Purge Method				Sample Record			Field Data
Well ID	Time	Depth to water feet	Top of Screen feet	Total Depth of well feet	1st /Qtr. Meas. Depth of Well feet	Casing Water Column (A)	Well Diameter (Inches)	Multiplier Value (B)	Three Casing Volumes (Gallons)	Actual Water Purged (Gallons)	No Purge	Bailer	Pump	Other	DTW At Sample Time	Sample I.D.	Sample time	Dissolved Oxygen (mg/L)
MW-3	0703	7.85		43	43	35.15	4	2	70	36 Dry			X		36.03	MW-3	1303	19.35
covered MW-4	—	—	—	42	38.7	—	4	2	—	—	—	—	—	—	—	MW-4	—	—
MW-5	0717	7.42		37	34	29.58	4	2	59	22 Dry			X		9.00	MW-5	0800	2.24
MW-6	0650	11.00		17	17	6	4	2	N/A	—	X				[illegible]	MW-6	0737	1.03
MW-7	0635	8.51		42	41.5	33.49	4	2	67	67			X		12.71	MW-7	0951	2.01
MW-8	0621	10.48		37.5	37.5	27.02	4	2	54	27Dry			X		23.22	MW-8	0833	6.61
S-1	0657	9,59		41	34	31.41	3	1	31	20 Dry			X		17.42	S-1	1327	15.15
S-2	0707	11.55		43	43	31.45	3	1	31	31[illegible]			X		27.93	S-2	1401	4.17
EX-1	0654	1.76		24	24	22.24	4	2	44	23 Dry			X		5.80	EX-1	1200	2.40
EX-2	0700	5.22		25	25	19.78	4	2	39	23 Dry			X		17.08	EX-2	1107	2.48
covered EX-3	—	—	—	25	25	—	4	2	—	—	—	—	—	—	—	EX-3	—	—
covered EX-4	—	—	—	25	25	—	4	2	—	—	—	—	—	—	—	EX-4	—	—

(A) Casing water Column
Depth wtr. Depth to Bottom

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

STRATUS ENVIRONMENTAL INC.

Site Address 10700 Macarthur Blvd
City Oakland, CA
Sampled By: Vince ~~and CHill~~

Site Number USA 57
Project No U 57
Project PM Steve
Date 04/27/06

Signature V. Zalutsky Date: 4-27-06

Well ID	MW-3 1303			
purge start time	1227		No Odor	
	Temp C	pH	cond	gallons
time	22.0	7.20	1230	~~0~~
time	21.2	7.24	1230	25
time		Dry	@	36
time	22.0	7.10	1234	36
purge stop time				

Well ID	MW-4			
purge start time	N/S			
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Well ID	MW-5 0800			
purge start time	0724		No Odor	
	Temp C	pH	cond	gallons
time	20.7	7.79	363	~~0~~
time	21.8	7.70	2.47m	15
time		Dry	@ 17 gal	
time	19.4	7.91	1875	22
purge stop time				

Well ID	MW-6 0737			
purge start time	Bailer		Odor	
	Temp C	pH	cond	gallons
time	17.4	7.07	1297	~~0~~
time				
time				
time				
purge stop time				

Well ID	MW-7 0951			
Purge start time	0857		No Odor	
	Temp C	pH	cond	gallons
time	19.2	7.73	878	~~0~~
time	19.2	7.88	790	33
time	19.0	8.02	805	67
time				
purge stop time	0941			

Well ID	MW-8 0833			
Purge start time	0813		No Odor	
	Temp C	pH	cond	gallons
time	22.6	7.07	1400	~~0~~
time	19.2	7.16	1332	25
time	Dry	@	27	gal
time	18.5	7.01	1333	27
purge stop time				

Well ID	S-1 1327			
purge start time	1252		No Odor	
	Temp C	pH	cond	gallons
time	21.1	7.37	822	~~0~~
time	23.3	7.20	814	17
time		Dry	@ 20 gal	
time	22.1	7.27	868	20
purge stop time				

Well ID	S-2 1401			
purge start time	1337		No Odor	
	Temp C	pH	cond	gallons
time	21.0	7.43	794	~~0~~
time	20.8	7.35	775	16
time	22.4	7.17	771	31
time				
purge stop time	1352			

STRATUS
ENVIRONMENTAL, INC

Site Address 10700 Macarthur Blvd
City Oakland, CA
Sampled By: Vince ~~and CHill~~

Site Number USA 57
Project No U 57
Project PM Steve
Date 04/27/06

Signiture V. Zaletthe Date: 4-27-06

Well ID	EX-1 1200			
purge start time	1135		No Odor	
	Temp C	pH	cond	gallons
time	19.5	7.50	609	0
time	19.0	7.57	589	22
time		Dry @		23
time	19.7	7.39	584	23
purge stop time				

Well ID	EX-2			
purge start time	1041		No Odor	
	Temp C	pH	cond	gallons
time	20.1	7.38	1184	0
time	18.7	7.22	1241	20
time		Dry @	23	gal
time	20.0	7.17	1241	23
purge stop time				

Well ID	EX-3			
purge start time	N/S			
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Well ID	EX-4			
purge start time	N/S			
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Well ID	0			
Purge start time				
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Well ID	0			
Purge start time				
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Well ID	0			
purge start time				
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Well ID	0			
purge start time				
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Former USA Service Station No. 57
10700 McArthur Boulevard
Oakland, CA
Oxygen Injection System Using iSOC

ORIGINAL

Date: 4-17-06
Onsite Time: 0615
Offsite Time: 0700

Technician: CHILL
Project Engineer: GOUCHER
Weather Conditions: CLEAR
Ambient Temperature: 48

iSOC™ Panel:

No. of iSOC Panels: Three 3-Injection Well Panels
No. of Oxygen Cylinders On Site: 6
No. of Cylinders Connected to Panels: 3
No. of Empty Cylinders: 0

Field Measurments (Monthly)

Well ID	Time	DTW	pH	DO	Cond	ORP		
S-1		10.40	7.10	18.2	816	533		
S-2		12.38	7.11	19.0	790	521		
MW-3		7.91	6.83	17.5	1442	567		
EX-1		1.15	7.40	7.1	542	542		
EX-2		5.74	6.86	5.6	1223	555		
EX-3		Covered						
MW-7		9.40	7.68	7.2	876	429		
MW-8		10.72	6.66	[illegible]	1464	510		
				8.1				

Connected Cylinders

O_2 Cylinder	Pressure
1	1700
2	1600
3	1600
4	Full
5	Full
6	Full

Lab Parameters	Sampling Frequency	Sample Locations	Analytical Method
Bio-chemcal oxygen demand	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 405.1
Total Iron & Ferrous Iron	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	SM3500
Heterotrophic Plate Counts	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	SM 9215B
Total Organic Carbon	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 415.1
Total Dissolved Solids	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 160.1
Nitrates, nitrites and ammonia	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 350.3
Sulfide and Sulfates	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 376.2 & EPA 300.0
Total Phosphorus & orthophosphates	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 365.2

Former USA Service Station No. 57
10700 McArthur Boulevard
Oakland, CA
Oxygen Injection System Using iSOC

Date: 4-27-06
Onsite Time: 0600
Offsite Time: 1415

Technician: Vince F. V. Zalunka 4-27-06
Project Engineer:
Weather Conditions: clear - 75°
Ambient Temperature: 75° F

iSOC™ Panel:

No. of iSOC Panels: Three 3-Injection Well Panels
No. of Oxygen Cylinders On Site:
No. of Cylinders Connected to Panels:
No. of Empty Cylinders:

Field Measurments (Monthly)

Well ID	Time	~~DTW~~	pH	DO	DTW			
S-1	1327	[redacted]	7.27	15.15	17.42			
S-2	1401	~~11.95~~	7.17	4.17	27.93			
MW-3	1303	~~2.89~~	7.10	19.35	36.03			
EX-1	1200		7.39	2.40	5.80			
EX-2	1107		7.17	2.48	17.08			
EX-3	N/S	N/S	N/S	N/S	N/S			
MW-7	0951		8.02	2.01	12.71			
MW-8	0833		7.01	~~0.83~~	23.22			
				6.61				

Connected Cylinders	
O_2 Cylinder	Pressure
1	
2	
3	
4	
5	
6	

Lab Parameters	Sampling Frequency	Sample Locations	Analytical Method
Bio-chemcal oxygen demand	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8 ✓	EPA 405.1
Total Iron & Ferrous Iron	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8 ✓	SM3500
Heterotrophic Plate Counts	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8 ✓	SM 9215B
Total Organic Carbon	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8 ✓	EPA 415.1
Total Dissolved Solids	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8 ✓	EPA 160.1
Nitrates, nitrites and ammonia	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8 ✓	EPA 350.3
Sulfide and Sulfates	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8 ✓	EPA 376.2 & EPA 300.0
Total Phosphorus & orthophosphates	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8 ✓	EPA 365.2

Former USA Service Station No. 57
10700 McArthur Boulevard
Oakland, CA
Oxygen Injection System Using iSOC

ORIGINAL

Date: 5.4.06
Onsite Time: 0550
Offsite Time:

Technician: CHILL
Project Engineer: Conner
Weather Conditions: Cloudy
Ambient Temperature: 48

iSOC™ Panel:

No. of iSOC Panels:	Three 3-Injection Well Panels
No. of Oxygen Cylinders On Site:	6
No. of Cylinders Connected to Panels:	3
No. of Empty Cylinders:	2

Field Measurments (Monthly)

Well ID	Time	DTW	pH	DO	Cond	ORP		
S-1		9.55	7.50	10.8	808	230		
S-2		11.04	7.65	11.2	901	192		
MW-3		8.85	7.15	10.2	1357	259		
EX-1		N-M	DPE-Unit					
EX-2		\	\	\	\			
EX-3		N-M	DPE Unit					
MW-7		8.37	8.29	5.4	853	88		
MW-8		11.24	7.65	6.1	1507	156		

Connected Cylinders

O_2 Cylinder	Pressure
1	1600
2	1600
3	1650
4	Full
5	Full
6	Full

D Install New well Boxes on EX-3, 4

Lab Parameters	Sampling Frequency	Sample Locations	Analytical Method
Bio-chemcal oxygen demand	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 405.1
Total Iron & Ferrous Iron	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	SM3500
Heterotrophic Plate Counts	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	SM 9215B
Total Organic Carbon	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 415.1
Total Dissolved Solids	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 160.1
Nitrates, nitrites and ammonia	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 350.3
Sulfide and Sulfates	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 376.2 & EPA 300.0
Total Phosphorus & orthophosphates	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 365.2

ORIGINAL

Former USA Service Station No. 57
10700 McArthur Boulevard
Oakland, CA
Oxygen Injection System Using iSOC

Date: 5-16-06
Onsite Time: 0530
Offsite Time: 0700

Technician: CHILL
Project Engineer: Gouveia
Weather Conditions: Clear
Ambient Temperature: 48

iSOC™ Panel:

No. of iSOC Panels:	Three 3-Injection Well Panels
No. of Oxygen Cylinders On Site:	6
No. of Cylinders Connected to Panels:	3
No. of Empty Cylinders:	0

Field Measurments (Monthly)

Well ID	Time	DTW	pH	DO	Cond	ORP		
S-1		9.63	7.60	15.1	950	133		
S-2		11.47	7.61	14.4	933	119		
MW-3		9.45	7.28	15.6	1611	147		
EX-1		DPE						
EX-2								
EX-3								
MW-7		8.43	7.51	9.8	856	72		
MW-8		11.86	6.97	8.3	1733	101		

Connected Cylinders

O_2 Cylinder	Pressure
1	1600
2	1400
3	1500
4	Full
5	Full
6	Full

Lab Parameters	Sampling Frequency	Sample Locations	Analytical Method
Bio-chemcal oxygen demand	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 405.1
Total Iron & Ferrous Iron	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	SM3500
Heterotrophic Plate Counts	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	SM 9215B
Total Organic Carbon	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 415.1
Total Dissolved Solids	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 160.1
Nitrates, nitrites and ammonia	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 350.3
Sulfide and Sulfates	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 376.2 & EPA 300.0
Total Phosphorus & orthophosphates	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 365.2

ORIGINAL

Former USA Service Station No. 57
10700 McArthur Boulevard
Oakland, CA
Oxygen Injection System Using iSOC

Date: 6-9-06
Onsite Time: 0500
Offsite Time: 0700

Technician: CHILL
Project Engineer: Gowan
Weather Conditions: Clear
Ambient Temperature: 50

iSOC™ Panel:

No. of iSOC Panels:	Three 3-Injection Well Panels
No. of Oxygen Cylinders On Site:	6
No. of Cylinders Connected to Panels:	3
No. of Empty Cylinders:	1

Field Measurments (Monthly)

Well ID	Time	DTW	pH	DO	Cond	ORP		
S-1		9.86	8.09	~~34.5~~	1100	315		34.500
S-2		11.76	8.10	33.6	757	379		
MW-3		9.09	6.41	25.1	1329	325		
EX-1		6.77	7.62	2.2	807	326		
EX-2		8.00	7.51	4.6	1190	374		
EX-3		Covered		Steel	Plate			
MW-7		8.74	7.65	4.6	777	326		
MW-8		12.32	7.09	6.6	1336	406		

Connected Cylinders	
O_2 Cylinder	Pressure
1	2300
2	1100
3	1300
4	Full
5	Full
6	Empty

MW3 well Head Damaged -

MW-3 Repaired Back spraying

Lab Parameters	Sampling Frequency	Sample Locations	Analytical Method
Bio-chemcal oxygen demand	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 405.1
Total Iron & Ferrous Iron	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	SM3500
Heterotrophic Plate Counts	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	SM 9215B
Total Organic Carbon	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 415.1
Total Dissolved Solids	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 160.1
Nitrates, nitrites and ammonia	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 350.3
Sulfide and Sulfates	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 376.2 & EPA 300.0
Total Phosphorus & orthophosphates	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 365.2

Former USA Service Station No. 57
10700 McArthur Boulevard
Oakland, CA
Oxygen Injection System Using iSOC

ORIGINAL

Date: 63006
Onsite Time: 0500
Offsite Time: 0550

Technician: CHill
Project Engineer: Gowan
Weather Conditions: Clear
Ambient Temperature: 50

iSOC™ Panel:

No. of iSOC Panels: Three 3-Injection Well Panels

No. of Oxygen Cylinders On Site: 6

No. of Cylinders Connected to Panels: 3

No. of Empty Cylinders: 1

Field Measurments (Monthly)

Well ID	Time	DTW	pH	DO	Cond	ORP		
S-1		10.61	7.91	20.8	1070	183		
S-2		12.53	8.17	18.5	760	168		
MW-3		9.92	7.53	18.8	1596	~~[illegible]~~	152	
EX-1		6.64	7.95	5.2	817	183		
EX-2		7.37	7.52	2.0	1286	9		
EX-3		Covered						
MW-7		9.50	8.26	4.6	787	162		
MW-8		12.79	7.15	7.7	1729	156		

Connected Cylinders

O_2 Cylinder	Pressure
1	1900
2	1000
3	1200
4	Full
5	Full
6	0

Lab Parameters	Sampling Frequency	Sample Locations	Analytical Method
Bio-chemcal oxygen demand	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 405.1
Total Iron & Ferrous Iron	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	SM3500
Heterotrophic Plate Counts	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	SM 9215B
Total Organic Carbon	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 415.1
Total Dissolved Solids	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 160.1
Nitrates, nitrites and ammonia	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 350.3
Sulfide and Sulfates	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 376.2 & EPA 300.0
Total Phosphorus & orthophosphates	Quarterly	EX-1, EX-2, EX-3, MW-7, & MW-8	EPA 365.2

APPENDIX B

SAMPLING AND ANALYSIS PROCEDURES

SAMPLING AND ANALYSIS PROCEDURES

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

Ground Water and Liquid-Phase Petroleum Hydrocarbon Depth Assessment

A water/hydrocarbon interface probe is used to assess the liquid-phase petroleum hydrocarbon (LPH) thickness, if present, and a water level indicator is used to measure the ground water depth in monitoring wells that do not contain LPH. Depth to ground water or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typical 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 accruing 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, nonconforments, defective material, services, and/or equipment, can be promptly identified and corrected.

General Sample Collection and Handling Procedures

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

Soil and Water Sample Labeling and Preservation

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

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

Sample Identification and Chain-of-Custody Procedures

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

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

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

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

Equipment Cleaning

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

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

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

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

Internal Quality Assurance Checks

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

- Laboratory Quality Assurance

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

- Field Quality Assurance

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

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

Types of Quality Control Checks

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

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

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

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

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

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

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

APPENDIX C

CERTIFIED 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

FILE COPY
COPY

ANALYTICAL REPORT

MAY 15 2006

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Gowri Kowtha
Phone: (530) 676-6001
Fax: (530) 676-6005
Date Received : 04/27/06

Job#: 2007-0057-01/USA 57

Orthophosphate in Water
EPA Method 365.2 / SM4500PE

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	**MW-7**					
Lab ID :	STR06042741-06A	Total Orthophosphate	210	100 µg/L	04/27/06	04/28/06
Client ID :	**MW-8**					
Lab ID :	STR06042741-07A	Total Orthophosphate	230	100 µg/L	04/27/06	04/28/06
Client ID :	**EX-1**					
Lab ID :	STR06042741-08A	Total Orthophosphate	160	100 µg/L	04/27/06	04/28/06
Client ID :	**EX-2**					
Lab ID :	STR06042741-09A	Total Orthophosphate	140	100 µg/L	04/27/06	04/28/06

Note: Samples 06A and 07A were re-analyzed on 5/8/06 outside the 48 hour hold time as confirmation. Sample 06A had a re-analysis result of 150 µg/L and 07A of 180 µg/L.

Reported in micrograms per liter, per client request.

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

5/8/06
Report Date

Alpha Analytical, Inc.

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

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Gowri Kowtha
Phone: (530) 676-6001
Fax: (530) 676-6005
Date Received : 04/27/06

Job#: 2007-0057-01/USA 57

Ammonia as Nitrogen
EPA Method 350.3 / SM4500-NH3F

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	**MW-7**					
Lab ID :	STR06042741-06A	Nitrogen, Ammonia (As N)	ND	100 µg/L	04/27/06	05/03/06
Client ID :	**MW-8**					
Lab ID :	STR06042741-07A	Nitrogen, Ammonia (As N)	ND	100 µg/L	04/27/06	05/03/06
Client ID :	**EX-1**					
Lab ID :	STR06042741-08A	Nitrogen, Ammonia (As N)	ND	100 µg/L	04/27/06	05/03/06
Client ID :	**EX-2**					
Lab ID :	STR06042741-09A	Nitrogen, Ammonia (As N)	ND	100 µg/L	04/27/06	05/03/06

Reported in micrograms per liter, per client request.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Gowri Kowtha
Phone: (530) 676-6001
Fax: (530) 676-6005
Date Received : 04/27/06

Job#: 2007-0057-01/USA 57

Anions by IC
EPA Method 300.0 / 9056

	Parameter	Concentration	Reporting Limit	Date / Time Sampled	Date / Time Analyzed
Client ID : **MW-7**	Nitrite (NO2) - N	ND	250 µg/L	04/27/06 09:51	04/28/06 14:45
Lab ID : STR06042741-06A	Nitrate (NO3) - N	2,400	250 µg/L	04/27/06 09:51	04/28/06 14:45
	Sulfate (SO4)	50,000	500 µg/L	04/27/06 09:51	04/28/06 14:45
Client ID : **MW-8**	Nitrite (NO2) - N	ND	250 µg/L	04/27/06 08:33	04/28/06 15:04
Lab ID : STR06042741-07A	Nitrate (NO3) - N	4,200	250 µg/L	04/27/06 08:33	04/28/06 15:04
	Sulfate (SO4)	66,000	500 µg/L	04/27/06 08:33	04/28/06 15:04
Client ID : **EX-1**	Nitrite (NO2) - N	ND	250 µg/L	04/27/06 12:00	04/28/06 15:22
Lab ID : STR06042741-08A	Nitrate (NO3) - N	260	250 µg/L	04/27/06 12:00	04/28/06 15:22
	Sulfate (SO4)	69,000	500 µg/L	04/27/06 12:00	04/28/06 15:22
Client ID : **EX-2**	Nitrite (NO2) - N	ND	250 µg/L	04/27/06 11:07	04/28/06 15:41
Lab ID : STR06042741-09A	Nitrate (NO3) - N	ND	250 µg/L	04/27/06 11:07	04/28/06 15:41
	Sulfate (SO4)	22,000	500 µg/L	04/27/06 11:07	04/28/06 15:41

Reported in micrograms per liter, per client request.

ND = Not Detected

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Attn: Gowri Kowtha
Phone: (530) 676-6001
Fax: (530) 676-6005
Date Received : 04/27/06

Job#: 2007-0057-01/USA 57

Total Organic Carbon as NonPurgeable Organic Carbon
EPA Method SW9060/415.1/SM-5310C

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	**MW-7**					
Lab ID :	STR06042741-06A	Total Organic Carbon	2,300	1,000 µg/L	04/27/06	04/28/06
Client ID :	**MW-8**					
Lab ID :	STR06042741-07A	Total Organic Carbon	1,000	1,000 µg/L	04/27/06	04/28/06
Client ID :	**EX-1**					
Lab ID :	STR06042741-08A	Total Organic Carbon	6,800	1,000 µg/L	04/27/06	04/28/06
Client ID :	**EX-2**					
Lab ID :	STR06042741-09A	Total Organic Carbon	17,000	1,000 µg/L	04/27/06	04/28/06

Reported in micrograms per liter, per client request.

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Cameron Park, CA 956828861

Attn: Gowri Kowtha
Phone: (530) 676-6001
Fax: (530) 676-6005
Date Received : 04/27/06

Job#: 2007-0057-01/USA 57

Sulfide
EPA Method 376.2 / SM4500-S D

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	**MW-7**					
Lab ID :	STR06042741-06A	Sulfide	ND	100 µg/L	04/27/06	05/01/06
Client ID :	**MW-8**					
Lab ID :	STR06042741-07A	Sulfide	120	100 µg/L	04/27/06	05/01/06
Client ID :	**EX-1**					
Lab ID :	STR06042741-08A	Sulfide	ND	100 µg/L	04/27/06	05/01/06
Client ID :	**EX-2**					
Lab ID :	STR06042741-09A	Sulfide	ND	100 µg/L	04/27/06	05/01/06

Reported in micrograms per liter, per client request.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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Attn: Gowri Kowtha
Phone: (530) 676-6001
Fax: (530) 676-6005
Date Received : 04/27/06

Job#: 2007-0057-01/USA 57

Total Dissolved Solids (TDS)
EPA Method 160.1 / SM 2540 C

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	**MW-7**					
Lab ID :	STR06042741-06A	Solids, Total Dissolved (TDS)	660,000	10,000 µg/L	04/27/06	05/01/06
Client ID :	**MW-8**					
Lab ID :	STR06042741-07A	Solids, Total Dissolved (TDS)	5,900,000	25,000 µg/L	04/27/06	05/01/06
Client ID :	**EX-1**					
Lab ID :	STR06042741-08A	Solids, Total Dissolved (TDS)	400,000	10,000 µg/L	04/27/06	05/01/06
Client ID :	**EX-2**					
Lab ID :	STR06042741-09A	Solids, Total Dissolved (TDS)	1,200,000	10,000 µg/L	04/27/06	05/01/06

Reported in micrograms per liter, per client request.

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Attn: Gowri Kowtha
Phone: (530) 676-6001
Fax: (530) 676-6005
Date Received : 04/27/06

Job#: 2007-0057-01/USA 57

Iron by Spectrophotometer
SM3500-Fe D

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	**MW-7**					
Lab ID :	STR06042741-06A	Iron, Ferrous (+2)	ND	50 µg/L	04/27/06	04/28/06
Client ID :	**MW-8**					
Lab ID :	STR06042741-07A	Iron, Ferrous (+2)	ND	50 µg/L	04/27/06	04/28/06
Client ID :	**EX-1**					
Lab ID :	STR06042741-08A	Iron, Ferrous (+2)	ND	50 µg/L	04/27/06	04/28/06
Client ID :	**EX-2**					
Lab ID :	STR06042741-09A	Iron, Ferrous (+2)	ND	50 µg/L	04/27/06	04/28/06

Reported in micrograms per liter, per client request.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Gowri Kowtha
Phone: (530) 676-6001
Fax: (530) 676-6005
Date Received : 04/27/06

Job#: 2007-0057-01/USA 57

Iron by Spectrophotometer
SM3500-Fe D

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	**MW-7**					
Lab ID :	STR06042741-06A	Iron, Total	ND	300 µg/L	04/27/06	05/05/06
Client ID :	**MW-8**					
Lab ID :	STR06042741-07A	Iron, Total	3,200	300 µg/L	04/27/06	05/05/06
Client ID :	**EX-1**					
Lab ID :	STR06042741-08A	Iron, Total	6,000	300 µg/L	04/27/06	05/05/06
Client ID :	**EX-2**					
Lab ID :	STR06042741-09A	Iron, Total	770	300 µg/L	04/27/06	05/05/06

Reported in micrograms per liter, per client request.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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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: Gowri Kowtha
Phone: (530) 676-6001
Fax: (530) 676-6005
Date Received : 04/27/06

Job#: 2007-0057-01/USA 57

GC/MSD by Direct Injection
EPA Method SW8260B-DI

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	**S-1**					
Lab ID :	STR06042741-01A	Methanol	ND	5,000 µg/L	04/27/06	05/01/06
		Ethanol	ND	5,000 µg/L	04/27/06	05/01/06
Client ID :	**S-2**					
Lab ID :	STR06042741-02A	Methanol	ND	5,000 µg/L	04/27/06	05/01/06
		Ethanol	ND	5,000 µg/L	04/27/06	05/01/06
Client ID :	**MW-3**					
Lab ID :	STR06042741-03A	Methanol	ND	5,000 µg/L	04/27/06	05/01/06
		Ethanol	ND	5,000 µg/L	04/27/06	05/01/06
Client ID :	**MW-5**					
Lab ID :	STR06042741-04A	Methanol	ND	5,000 µg/L	04/27/06	05/01/06
		Ethanol	ND	5,000 µg/L	04/27/06	05/01/06
Client ID :	**MW-6**					
Lab ID :	STR06042741-05A	Methanol	ND	5,000 µg/L	04/27/06	05/01/06
		Ethanol	ND	5,000 µg/L	04/27/06	05/01/06
Client ID :	**MW-7**					
Lab ID :	STR06042741-06A	Methanol	ND	5,000 µg/L	04/27/06	05/01/06
		Ethanol	ND	5,000 µg/L	04/27/06	05/01/06
Client ID :	**MW-8**					
Lab ID :	STR06042741-07A	Methanol	ND	5,000 µg/L	04/27/06	05/01/06
		Ethanol	ND	5,000 µg/L	04/27/06	05/01/06
Client ID :	**EX-1**					
Lab ID :	STR06042741-08A	Methanol	ND	5,000 µg/L	04/27/06	05/01/06
		Ethanol	ND	5,000 µg/L	04/27/06	05/01/06
Client ID :	**EX-2**					
Lab ID :	STR06042741-09A	Methanol	ND	5,000 µg/L	04/27/06	05/01/06
		Ethanol	ND	5,000 µg/L	04/27/06	05/01/06

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Reported in micrograms per liter, per client request.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

5/4/06
Report Date

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ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Gowri Kowtha
Phone: (530) 676-6001
Fax: (530) 676-6005
Date Received : 04/27/06

Job#: 2007-0057-01/USA 57

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

	Parameter	Concentration		Reporting Limit	Date Sampled	Date Analyzed
Client ID :	TPH-P (GRO)	ND		50 µg/L	04/27/06	05/02/06
S-1	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	04/27/06	05/02/06
Lab ID :	Methyl tert-butyl ether (MTBE)	7.7		0.50 µg/L	04/27/06	05/02/06
STR06042741-01A	Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	04/27/06	05/02/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	04/27/06	05/02/06
	1,2-Dichloroethane	ND		1.0 µg/L	04/27/06	05/02/06
	Benzene	ND		0.50 µg/L	04/27/06	05/02/06
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	04/27/06	05/02/06
	Toluene	ND		0.50 µg/L	04/27/06	05/02/06
	1,2-Dibromoethane (EDB)	ND		2.0 µg/L	04/27/06	05/02/06
	Ethylbenzene	ND		0.50 µg/L	04/27/06	05/02/06
	m,p-Xylene	ND		0.50 µg/L	04/27/06	05/02/06
	o-Xylene	ND		0.50 µg/L	04/27/06	05/02/06
Client ID :	TPH-P (GRO)	130		50 µg/L	04/27/06	05/02/06
S-2	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	04/27/06	05/02/06
Lab ID :	Methyl tert-butyl ether (MTBE)	81		0.50 µg/L	04/27/06	05/02/06
STR06042741-02A	Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	04/27/06	05/02/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	04/27/06	05/02/06
	1,2-Dichloroethane	1.3		1.0 µg/L	04/27/06	05/02/06
	Benzene	5.1		0.50 µg/L	04/27/06	05/02/06
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	04/27/06	05/02/06
	Toluene	1.1		0.50 µg/L	04/27/06	05/02/06
	1,2-Dibromoethane (EDB)	ND		2.0 µg/L	04/27/06	05/02/06
	Ethylbenzene	2.8		0.50 µg/L	04/27/06	05/02/06
	m,p-Xylene	6.6		0.50 µg/L	04/27/06	05/02/06
	o-Xylene	2.2		0.50 µg/L	04/27/06	05/02/06
Client ID :	TPH-P (GRO)	ND	V	300 µg/L	04/27/06	05/02/06
MW-3	Tertiary Butyl Alcohol (TBA)	330		30 µg/L	04/27/06	05/02/06
Lab ID :	Methyl tert-butyl ether (MTBE)	180		1.5 µg/L	04/27/06	05/02/06
STR06042741-03A	Di-isopropyl Ether (DIPE)	ND	V	3.0 µg/L	04/27/06	05/02/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	V	3.0 µg/L	04/27/06	05/02/06
	1,2-Dichloroethane	220		3.0 µg/L	04/27/06	05/02/06
	Benzene	ND	V	1.5 µg/L	04/27/06	05/02/06
	Tertiary Amyl Methyl Ether (TAME)	ND	V	3.0 µg/L	04/27/06	05/02/06
	Toluene	ND	V	1.5 µg/L	04/27/06	05/02/06
	1,2-Dibromoethane (EDB)	ND	V	12 µg/L	04/27/06	05/02/06
	Ethylbenzene	ND	V	1.5 µg/L	04/27/06	05/02/06
	m,p-Xylene	ND	V	1.5 µg/L	04/27/06	05/02/06
	o-Xylene	ND	V	1.5 µg/L	04/27/06	05/02/06

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Client ID :	TPH-P (GRO)	ND	O	100 µg/L	04/27/06	05/02/06
MW-5	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	04/27/06	05/02/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	04/27/06	05/02/06
STR06042741-04A	Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	04/27/06	05/02/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	04/27/06	05/02/06
	1,2-Dichloroethane	ND		1.0 µg/L	04/27/06	05/02/06
	Benzene	ND		0.50 µg/L	04/27/06	05/02/06
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	04/27/06	05/02/06
	Toluene	ND		0.50 µg/L	04/27/06	05/02/06
	1,2-Dibromoethane (EDB)	ND	O	4.0 µg/L	04/27/06	05/02/06
	Ethylbenzene	ND		0.50 µg/L	04/27/06	05/02/06
	m,p-Xylene	ND		0.50 µg/L	04/27/06	05/02/06
	o-Xylene	ND		0.50 µg/L	04/27/06	05/02/06
Client ID :	TPH-P (GRO)	ND		50 µg/L	04/27/06	05/02/06
MW-6	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	04/27/06	05/02/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	04/27/06	05/02/06
STR06042741-05A	Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	04/27/06	05/02/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	04/27/06	05/02/06
	1,2-Dichloroethane	ND		1.0 µg/L	04/27/06	05/02/06
	Benzene	ND		0.50 µg/L	04/27/06	05/02/06
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	04/27/06	05/02/06
	Toluene	ND		0.50 µg/L	04/27/06	05/02/06
	1,2-Dibromoethane (EDB)	ND		2.0 µg/L	04/27/06	05/02/06
	Ethylbenzene	ND		0.50 µg/L	04/27/06	05/02/06
	m,p-Xylene	ND		0.50 µg/L	04/27/06	05/02/06
	o-Xylene	ND		0.50 µg/L	04/27/06	05/02/06
Client ID :	TPH-P (GRO)	ND		50 µg/L	04/27/06	05/02/06
MW-7	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	04/27/06	05/02/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	04/27/06	05/02/06
STR06042741-06A	Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	04/27/06	05/02/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	04/27/06	05/02/06
	1,2-Dichloroethane	ND		1.0 µg/L	04/27/06	05/02/06
	Benzene	ND		0.50 µg/L	04/27/06	05/02/06
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	04/27/06	05/02/06
	Toluene	ND		0.50 µg/L	04/27/06	05/02/06
	1,2-Dibromoethane (EDB)	ND		2.0 µg/L	04/27/06	05/02/06
	Ethylbenzene	ND		0.50 µg/L	04/27/06	05/02/06
	m,p-Xylene	ND		0.50 µg/L	04/27/06	05/02/06
	o-Xylene	ND		0.50 µg/L	04/27/06	05/02/06
Client ID :	TPH-P (GRO)	ND	O	100 µg/L	04/27/06	05/02/06
MW-8	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	04/27/06	05/02/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	04/27/06	05/02/06
STR06042741-07A	Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	04/27/06	05/02/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	04/27/06	05/02/06
	1,2-Dichloroethane	ND		1.0 µg/L	04/27/06	05/02/06
	Benzene	ND		0.50 µg/L	04/27/06	05/02/06
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	04/27/06	05/02/06
	Toluene	ND		0.50 µg/L	04/27/06	05/02/06
	1,2-Dibromoethane (EDB)	ND	O	4.0 µg/L	04/27/06	05/02/06
	Ethylbenzene	ND		0.50 µg/L	04/27/06	05/02/06
	m,p-Xylene	ND		0.50 µg/L	04/27/06	05/02/06
	o-Xylene	ND		0.50 µg/L	04/27/06	05/02/06

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Client ID :	TPH-P (GRO)	130		50 µg/L	04/27/06	05/02/06
EX-1	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	04/27/06	05/02/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	04/27/06	05/02/06
STR06042741-08A	Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	04/27/06	05/02/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	04/27/06	05/02/06
	1,2-Dichloroethane	ND		1.0 µg/L	04/27/06	05/02/06
	Benzene	0.98		0.50 µg/L	04/27/06	05/02/06
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	04/27/06	05/02/06
	Toluene	ND		0.50 µg/L	04/27/06	05/02/06
	1,2-Dibromoethane (EDB)	ND		2.0 µg/L	04/27/06	05/02/06
	Ethylbenzene	ND		0.50 µg/L	04/27/06	05/02/06
	m,p-Xylene	1.6		0.50 µg/L	04/27/06	05/02/06
	o-Xylene	0.82		0.50 µg/L	04/27/06	05/02/06
Client ID :	TPH-P (GRO)	24,000		5,000 µg/L	04/27/06	05/02/06
EX-2	Tertiary Butyl Alcohol (TBA)	ND	V	500 µg/L	04/27/06	05/02/06
Lab ID :	Methyl tert-butyl ether (MTBE)	86		25 µg/L	04/27/06	05/02/06
STR06042741-09A	Di-isopropyl Ether (DIPE)	ND	V	50 µg/L	04/27/06	05/02/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	V	50 µg/L	04/27/06	05/02/06
	1,2-Dichloroethane	ND	V	50 µg/L	04/27/06	05/02/06
	Benzene	4,000		25 µg/L	04/27/06	05/02/06
	Tertiary Amyl Methyl Ether (TAME)	ND	V	50 µg/L	04/27/06	05/02/06
	Toluene	1,800		25 µg/L	04/27/06	05/02/06
	1,2-Dibromoethane (EDB)	ND	V	200 µg/L	04/27/06	05/02/06
	Ethylbenzene	650		25 µg/L	04/27/06	05/02/06
	m,p-Xylene	2,800		25 µg/L	04/27/06	05/02/06
	o-Xylene	1,100		25 µg/L	04/27/06	05/02/06

Gasoline Range Organics (GRO) C4-C13
O = Reporting Limits were increased due to sample foaming.
Reported in micrograms per liter, per client request.
V = Reporting Limits were increased due to high concentrations of target analytes.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

5/4/06
Report Date

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VOC Sample Preservation Report

Work Order: STR06042741 **Project:** 2007-0057-01/USA 57

Alpha's Sample ID	Client's Sample ID	Matrix	pH
06042741-01A	S-1	Aqueous	3
06042741-02A	S-2	Aqueous	3
06042741-03A	MW-3	Aqueous	2
06042741-04A	MW-5	Aqueous	2
06042741-05A	MW-6	Aqueous	4
06042741-06A	MW-7	Aqueous	3
06042741-07A	MW-8	Aqueous	2
06042741-08A	EX-1	Aqueous	2
06042741-09A	EX-2	Aqueous	2

5/4/06

Report Date

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ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Gowri Kowtha
Phone: (530) 676-6001
Fax: (530) 676-6005
Date Received : 04/27/06

Job#: 2007-0057-01/USA 57

Phosphorus
EPA Method 365.2 / SM4500PE

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	**MW-7**					
Lab ID :	STR06042741-06A	Phosphorus, Total (As P)	150	100 µg/L	04/27/06	05/04/06
Client ID :	**MW-8**					
Lab ID :	STR06042741-07A	Phosphorus, Total (As P)	140	100 µg/L	04/27/06	05/04/06
Client ID :	**EX-1**					
Lab ID :	STR06042741-08A	Phosphorus, Total (As P)	290	100 µg/L	04/27/06	05/04/06
Client ID :	**EX-2**					
Lab ID :	STR06042741-09A	Phosphorus, Total (As P)	240	100 µg/L	04/27/06	05/04/06

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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5/8/06
Report Date

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

Date: 08-May-06

QC Summary Report

Work Order: 0604274l

Method Blank

Type **MBLK** Test Code: **EPA Method 365.2 / SM4500PE**

File ID: Batch ID: **W060428OPHOS** Analysis Date: **04/28/2006 00:00**

Sample ID: **MBLK-W060428OPHOS** Units : **µg/L** Run ID: **WETLAB_060428C** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Total Orthophosphate	ND	100								

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 365.2 / SM4500PE**

File ID: Batch ID: **W060428OPHOS** Analysis Date: **04/28/2006 00:00**

Sample ID: **LCS-W060428OPHOS** Units : **µg/L** Run ID: **WETLAB_060428C** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Total Orthophosphate	1100	100	1000		110	80	116			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method 365.2 / SM4500PE**

File ID: Batch ID: **W060428OPHOS** Analysis Date: **04/28/2006 00:00**

Sample ID: **06042741-06AMS** Units : **µg/L** Run ID: **WETLAB_060428C** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Total Orthophosphate	1210	100	1000	205	101	80	116			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method 365.2 / SM4500PE**

File ID: Batch ID: **W060428OPHOS** Analysis Date: **04/28/2006 00:00**

Sample ID: **06042741-06AMSD** Units : **µg/L** Run ID: **WETLAB_060428C** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Total Orthophosphate	1240	100	1000	205	103	80	116	1212	2.2(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: *08-May-06*

QC Summary Report

Work Order: 06042741

Method Blank

File ID:

Type **MBLK** Test Code: **EPA Method 365.2 / SM4500PE**

Sample ID: **MBLK-W060504TPHOS** Units : **µg/L** Batch ID: **W060504TPHOS** Run ID: **WETLAB_060504C** Analysis Date: **05/04/2006 00:00** Prep Date: **05/04/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Phosphorus, Total (As P)	ND	100								

Laboratory Control Spike

File ID:

Type **LCS** Test Code: **EPA Method 365.2 / SM4500PE**

Sample ID: **LCS-W060504TPHOS** Units : **µg/L** Batch ID: **W060504TPHOS** Run ID: **WETLAB_060504C** Analysis Date: **05/04/2006 00:00** Prep Date: **05/04/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Phosphorus, Total (As P)	1080	100	1000		108	80	116			

Sample Matrix Spike

File ID:

Type **MS** Test Code: **EPA Method 365.2 / SM4500PE**

Sample ID: **06042741-06AMS** Units : **µg/L** Batch ID: **W060504TPHOS** Run ID: **WETLAB_060504C** Analysis Date: **05/04/2006 00:00** Prep Date: **05/04/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Phosphorus, Total (As P)	1160	100	1000	148.4	101	80	116			

Sample Matrix Spike Duplicate

File ID:

Type **MSD** Test Code: **EPA Method 365.2 / SM4500PE**

Sample ID: **06042741-06AMSD** Units : **µg/L** Batch ID: **W060504TPHOS** Run ID: **WETLAB_060504C** Analysis Date: **05/04/2006 00:00** Prep Date: **05/04/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Phosphorus, Total (As P)	1170	100	1000	148.4	102	80	116	1160	0.7(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.

Alpha Analytical, Inc.

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

Date: *08-May-06*

QC Summary Report

Work Order: 06042741

Method Blank

Type **MBLK** Test Code: **EPA Method 160.1 / SM 2540 C**

File ID:

Batch ID: **W060427TDS** Analysis Date: **04/27/2006 00:00**

Sample ID: **MBLK-W060427TDS** Units : **µg/L** Run ID: **WETLAB_060427G** Prep Date: **04/27/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Solids, Total Dissolved (TDS)	ND	10000								

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 160.1 / SM 2540 C**

File ID:

Batch ID: **W060427TDS** Analysis Date: **04/27/2006 00:00**

Sample ID: **LCS-W060427TDS** Units : **µg/L** Run ID: **WETLAB_060427G** Prep Date: **04/27/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Solids, Total Dissolved (TDS)	201000	10000	200000		101	84	116			

Comments:

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Date: *08-May-06*

QC Summary Report

Work Order: 06042741

Method Blank

Type **MBLK** Test Code: **EPA Method SW9060/415.1/SM-5310C**

File ID:
Batch ID: **TOC042806** Analysis Date: **04/28/2006 11:19**
Sample ID: **MBLK-042806-TOC** Units : **µg/L** Run ID: **TOC_060428A** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Total Organic Carbon	ND	1000								

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW9060/415.1/SM-5310C**

File ID:
Batch ID: **TOC042806** Analysis Date: **04/28/2006 10:56**
Sample ID: **LCS-042806-TOC** Units : **µg/L** Run ID: **TOC_060428A** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Total Organic Carbon	5260	1000	5000		105	74	125			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW9060/415.1/SM-5310C**

File ID:
Batch ID: **TOC042806** Analysis Date: **04/28/2006 12:17**
Sample ID: **06042759-01AMS** Units : **µg/L** Run ID: **TOC_060428A** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Total Organic Carbon	17700	1000	5000	12940	96	56	137			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW9060/415.1/SM-5310C**

File ID:
Batch ID: **TOC042806** Analysis Date: **04/28/2006 12:46**
Sample ID: **06042759-01AMSD** Units : **µg/L** Run ID: **TOC_060428A** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Total Organic Carbon	17700	1000	5000	12940	95	56	137	17740	0.3(15)	

Comments:

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QC Summary Report

Work Order: 06042741

Method Blank

Type **MBLK** Test Code: **SM3500-Fe D**

File ID: Batch ID: **W060428FER** Analysis Date: **04/28/2006 00:00**

Sample ID: **MBLK-W060428FER** Units : **µg/L** Run ID: **WETLAB_060428B** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	ND	50								

Laboratory Control Spike

Type **LCS** Test Code: **SM3500-Fe D**

File ID: Batch ID: **W060428FER** Analysis Date: **04/28/2006 00:00**

Sample ID: **LCS-W060428FER** Units : **µg/L** Run ID: **WETLAB_060428B** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1470	50	1500		98	85	115			

Sample Matrix Spike

Type **MS** Test Code: **SM3500-Fe D**

File ID: Batch ID: **W060428FER** Analysis Date: **04/28/2006 00:00**

Sample ID: **06042741-06AMS** Units : **µg/L** Run ID: **WETLAB_060428B** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1460	50	1500	0	97	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **SM3500-Fe D**

File ID: Batch ID: **W060428FER** Analysis Date: **04/28/2006 00:00**

Sample ID: **06042741-06AMSD** Units : **µg/L** Run ID: **WETLAB_060428B** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1480	50	1500	0	98	70	130	1457	1.2(20)	

Comments:

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Method Blank

File ID: Type **MBLK** Test Code: **SM3500-Fe D**

Sample ID: **MBLK-W060505FET** Units : **µg/L** Batch ID: **W060505FET** Run ID: **WETLAB_060505A** Analysis Date: **05/05/2006 00:00** Prep Date: **05/05/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Iron, Total	ND	300								

Laboratory Control Spike

File ID: Type **LCS** Test Code: **SM3500-Fe D**

Sample ID: **LCS-W060505FET** Units : **µg/L** Batch ID: **W060505FET** Run ID: **WETLAB_060505A** Analysis Date: **05/05/2006 00:00** Prep Date: **05/05/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Iron, Total	47800	300	50000		96	85	115			

Sample Matrix Spike

File ID: Type **MS** Test Code: **SM3500-Fe D**

Sample ID: **06042653-03AMS** Units : **µg/L** Batch ID: **W060505FET** Run ID: **WETLAB_060505A** Analysis Date: **05/05/2006 00:00** Prep Date: **05/05/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Iron, Total	48900	300	50000	0	98	70	130			

Sample Matrix Spike Duplicate

File ID: Type **MSD** Test Code: **SM3500-Fe D**

Sample ID: **06042653-03AMSD** Units : **µg/L** Batch ID: **W060505FET** Run ID: **WETLAB_060505A** Analysis Date: **05/05/2006 00:00** Prep Date: **05/05/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Iron, Total	47900	300	50000	0	96	70	130	48900	2.0(20)	

Comments:

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QC Summary Report

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Method Blank

Type **MBLK** Test Code: **EPA Method 300.0 / 9056**

File ID: **22** Batch ID: **14604A** Analysis Date: **04/28/2006 13:50**

Sample ID: **MB-14604** Units : **µg/L** Run ID: **IC_2_060428A** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	ND	250								
Nitrate (NO3) - N	ND	250								

Laboratory Fortified Blank

Type **LFB** Test Code: **EPA Method 300.0 / 9056**

File ID: **23** Batch ID: **14604A** Analysis Date: **04/28/2006 14:08**

Sample ID: **LFB-14604** Units : **µg/L** Run ID: **IC_2_060428A** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	484	250	500		97	90	110			
Nitrate (NO3) - N	497	250	500		99	90	110			

Sample Matrix Spike

Type **LFM** Test Code: **EPA Method 300.0 / 9056**

File ID: **30** Batch ID: **14604A** Analysis Date: **04/28/2006 16:18**

Sample ID: **06042421-01ALFM** Units : **µg/L** Run ID: **IC_2_060428A** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	9640	250	10000	0	96	80	120			
Nitrate (NO3) - N	12000	250	10000	1988	101	80	120			

Sample Matrix Spike Duplicate

Type **LFMD** Test Code: **EPA Method 300.0 / 9056**

File ID: **31** Batch ID: **14604A** Analysis Date: **04/28/2006 16:36**

Sample ID: **06042421-01ALFMD** Units : **µg/L** Run ID: **IC_2_060428A** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	9580	250	10000	0	96	80	120	9637	0.6(2)	
Nitrate (NO3) - N	12100	250	10000	1988	101	80	120	12040	0.4(2)	

Comments:

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QC Summary Report

Work Order: 06042741

Method Blank

Type **MBLK** Test Code: **EPA Method 300.0 / 9056**

File ID: **22** Batch ID: **14604B** Analysis Date: **04/28/2006 13:50**

Sample ID: **MB-14604** Units : **µg/L** Run ID: **IC_2_060428A** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Sulfate (SO4)	ND	500								

Laboratory Fortified Blank

Type **LFB** Test Code: **EPA Method 300.0 / 9056**

File ID: **23** Batch ID: **14604B** Analysis Date: **04/28/2006 14:08**

Sample ID: **LFB-14604** Units : **µg/L** Run ID: **IC_2_060428A** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Sulfate (SO4)	985	500	1000		99	90	110			

Sample Matrix Spike

Type **LFM** Test Code: **EPA Method 300.0 / 9056**

File ID: **30** Batch ID: **14604B** Analysis Date: **04/28/2006 16:18**

Sample ID: **06042421-01ALFM** Units : **µg/L** Run ID: **IC_2_060428A** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Sulfate (SO4)	68600	500	20000	48700	99	80	120			

Sample Matrix Spike Duplicate

Type **LFMD** Test Code: **EPA Method 300.0 / 9056**

File ID: **31** Batch ID: **14604B** Analysis Date: **04/28/2006 16:36**

Sample ID: **06042421-01ALFMD** Units : **µg/L** Run ID: **IC_2_060428A** Prep Date: **04/28/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Sulfate (SO4)	69700	500	20000	48700	105	80	120	68580	1.6(2)	

Comments:

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Date: *08-May-06*

QC Summary Report

Work Order: 06042741

Method Blank

Type **MBLK** Test Code: **EPA Method 350.3 / SM4500-NH3F**

File ID: Batch ID: **W060503AMM** Analysis Date: **05/03/2006 00:00**

Sample ID: **MBLK-W060503AMM** Units : **µg/L** Run ID: **WETLAB_060503A** Prep Date: **05/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Nitrogen, Ammonia (As N)	ND	100								

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 350.3 / SM4500-NH3F**

File ID: Batch ID: **W060503AMM** Analysis Date: **05/03/2006 00:00**

Sample ID: **LCS-W060503AMM** Units : **µg/L** Run ID: **WETLAB_060503A** Prep Date: **05/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Nitrogen, Ammonia (As N)	5390	100	5000		108	82	113			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method 350.3 / SM4500-NH3F**

File ID: Batch ID: **W060503AMM** Analysis Date: **05/03/2006 00:00**

Sample ID: **06042741-06AMS** Units : **µg/L** Run ID: **WETLAB_060503A** Prep Date: **05/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Nitrogen, Ammonia (As N)	5620	100	5000	0	112	80	115			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method 350.3 / SM4500-NH3F**

File ID: Batch ID: **W060503AMM** Analysis Date: **05/03/2006 00:00**

Sample ID: **06042741-06AMSD** Units : **µg/L** Run ID: **WETLAB_060503A** Prep Date: **05/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Nitrogen, Ammonia (As N)	5730	100	5000	0	115	80	115	5620	1.9(15)	

Comments:

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Date: *08-May-06*

QC Summary Report

Work Order: 06042741

Method Blank

Type **MBLK** Test Code: **EPA Method 376.2 / SM4500-S D**

File ID: Batch ID: **W060501SULF** Analysis Date: **05/01/2006 00:00**

Sample ID: **MBLK-W060501SULF** Units : **µg/L** Run ID: **WETLAB_060501F** Prep Date: **05/01/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Sulfide	ND	100								

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 376.2 / SM4500-S D**

File ID: Batch ID: **W060501SULF** Analysis Date: **05/01/2006 00:00**

Sample ID: **LCS-W060501SULF** Units : **µg/L** Run ID: **WETLAB_060501F** Prep Date: **05/01/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Sulfide	1040	100	1000		104	85	115			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method 376.2 / SM4500-S D**

File ID: Batch ID: **W060501SULF** Analysis Date: **05/01/2006 00:00**

Sample ID: **06042421-05AMS** Units : **µg/L** Run ID: **WETLAB_060501F** Prep Date: **05/01/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Sulfide	1120	100	1000	0	112	65	150			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method 376.2 / SM4500-S D**

File ID: Batch ID: **W060501SULF** Analysis Date: **05/01/2006 00:00**

Sample ID: **06042421-05AMSD** Units : **µg/L** Run ID: **WETLAB_060501F** Prep Date: **05/01/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Sulfide	1120	100	1000	0	112	65	150	1123	0.0(15)	

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.

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Date: *08-May-06*

QC Summary Report

Work Order: 06042741

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/DHS LUFT Manual**

File ID: **C:\HPCHEM\MS10\DATA\060502\06050208.D** Batch ID: **MS10W0502B** Analysis Date: **05/02/2006 10:10**

Sample ID: **MBLK MS10W0502B** Units : **µg/L** Run ID: **MSD_10_060502A** Prep Date: **05/02/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	8.98		10		90	76	127			
Surr: Toluene-d8	9.7		10		97	84	113			
Surr: 4-Bromofluorobenzene	9.61		10		96	79	119			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/DHS LUFT Manual**

File ID: **C:\HPCHEM\MS10\DATA\060502\06050207.D** Batch ID: **MS10W0502B** Analysis Date: **05/02/2006 09:48**

Sample ID: **GLCS MS10W0502B** Units : **µg/L** Run ID: **MSD_10_060502A** Prep Date: **05/02/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	412	50	400		103	78	127			
Surr: 1,2-Dichloroethane-d4	10.5		10		105	76	127			
Surr: Toluene-d8	9.31		10		93	84	113			
Surr: 4-Bromofluorobenzene	9.3		10		93	79	119			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/DHS LUFT Manual**

File ID: **C:\HPCHEM\MS10\DATA\060502\06050213.D** Batch ID: **MS10W0502B** Analysis Date: **05/02/2006 11:57**

Sample ID: **06042741-01AGS** Units : **µg/L** Run ID: **MSD_10_060502A** Prep Date: **05/02/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2150	250	2000	0	107	70	139			
Surr: 1,2-Dichloroethane-d4	44.6		50		89	76	127			
Surr: Toluene-d8	48.1		50		96	84	113			
Surr: 4-Bromofluorobenzene	48.8		50		98	79	119			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/DHS LUFT Manual**

File ID: **C:\HPCHEM\MS10\DATA\060502\06050214.D** Batch ID: **MS10W0502B** Analysis Date: **05/02/2006 12:19**

Sample ID: **06042741-01AGSD** Units : **µg/L** Run ID: **MSD_10_060502A** Prep Date: **05/02/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
PH-P (GRO)	1970	250	2000	0	99	70	139	2145	8.4(12)	
urr: 1,2-Dichloroethane-d4	45.6		50		91	76	127			
urr: Toluene-d8	48.7		50		97	84	113			
urr: 4-Bromofluorobenzene	49.2		50		98	79	119			

omments:

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

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Date: 08-May-06

QC Summary Report

Work Order: 06042741

Method Blank

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

File ID: **C:\HPCHEM\MS10\DATA\060502\06050208.D** Batch ID: **MS10W0502A** Analysis Date: **05/02/2006 10:10**

Sample ID: **MBLK MS10W0502A** Units : **µg/L** Run ID: **MSD_10_060502A** Prep Date: **05/02/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Tertiary Butyl Alcohol (TBA)	ND	10								
Methyl tert-butyl ether (MTBE)	ND	0.5								
Di-isopropyl Ether (DIPE)	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
Toluene	ND	0.5								
1,2-Dibromoethane (EDB)	ND	2								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	8.98		10		90	76	127			
Surr: Toluene-d8	9.7		10		97	84	113			
Surr: 4-Bromofluorobenzene	9.61		10		96	79	119			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS10\DATA\060502\06050206.D** Batch ID: **MS10W0502A** Analysis Date: **05/02/2006 09:27**

Sample ID: **LCS MS10W0502A** Units : **µg/L** Run ID: **MSD_10_060502A** Prep Date: **05/02/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	9.14	0.5	10		91	81	122			
Toluene	9.17	0.5	10		92	80	120			
Ethylbenzene	10.2	0.5	10		102	80	120			
m,p-Xylene	10.6	0.5	10		106	80	129			
o-Xylene	10.5	0.5	10		105	80	129			
Surr: 1,2-Dichloroethane-d4	11.6		10		116	76	127			
Surr: Toluene-d8	9.05		10		91	84	113			
Surr: 4-Bromofluorobenzene	9.78		10		98	79	119			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS10\DATA\060502\06050211.D** Batch ID: **MS10W0502A** Analysis Date: **05/02/2006 11:14**

Sample ID: **06042741-01AMS** Units : **µg/L** Run ID: **MSD_10_060502A** Prep Date: **05/02/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	41.9	1.3	50	0	84	74	125			
Toluene	43.8	1.3	50	0	88	76	120			
Ethylbenzene	49.1	1.3	50	0	98	77	124			
m,p-Xylene	49.9	1.3	50	0	99.8	73	130			
o-Xylene	48	1.3	50	0	96	74	131			
Surr: 1,2-Dichloroethane-d4	49.1		50		98	76	127			
Surr: Toluene-d8	48.2		50		96	84	113			
Surr: 4-Bromofluorobenzene	51.1		50		102	79	119			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS10\DATA\060502\06050212.D** Batch ID: **MS10W0502A** Analysis Date: **05/02/2006 11:36**

Sample ID: **06042741-01AMSD** Units : **µg/L** Run ID: **MSD_10_060502A** Prep Date: **05/02/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	41.5	1.3	50	0	83	74	125	41.86	0.8(13)	
Toluene	43.9	1.3	50	0	88	76	120	43.76	0.3(13)	
Ethylbenzene	48.9	1.3	50	0	98	77	124	49.14	0.6(13)	
m,p-Xylene	49.5	1.3	50	0	99	73	130	49.89	0.7(14)	
o-Xylene	47.6	1.3	50	0	95	74	131	47.97	0.7(13)	
Surr: 1,2-Dichloroethane-d4	49		50		98	76	127			
Surr: Toluene-d8	48.1		50		96	84	113			
Surr: 4-Bromofluorobenzene	50.9		50		102	79	119			

Alpha Analytical, Inc.

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

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

Date: *08-May-06*

QC Summary Report

Work Order: 06042741

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.

Alpha Analytical, Inc.

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

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

Date: *08-May-06*

QC Summary Report

Work Order: 06042741

Method Blank

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

File ID: **C:\HPCHEM\MS11\DATA\060501\06050103.D** Batch ID: **14606** Analysis Date: **05/01/2006 09:33**

Sample ID: **MBLK-14606** Units : **µg/L** Run ID: **MSD_11_060501A** Prep Date: **05/01/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Methanol	ND	5000								
Ethanol	ND	5000								
Surr: Hexafluoro-2-propanol	474		500		95	63	137			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS11\DATA\060501\06050104.D** Batch ID: **14606** Analysis Date: **05/01/2006 09:55**

Sample ID: **LCS-14606** Units : **µg/L** Run ID: **MSD_11_060501A** Prep Date: **05/01/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Methanol	254	50	250		101	45	155			
Ethanol	231	5	250		92	51	144			
Surr: Hexafluoro-2-propanol	445		500		89	63	137			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS11\DATA\060501\06050106.D** Batch ID: **14606** Analysis Date: **05/01/2006 10:40**

Sample ID: **06042741-02AMS** Units : **µg/L** Run ID: **MSD_11_060501A** Prep Date: **05/01/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Methanol	295	50	250	0	118	45	163			
Ethanol	287	5	250	0	115	50	149			
Surr: Hexafluoro-2-propanol	458		500		92	63	137			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS11\DATA\060501\06050107.D** Batch ID: **14606** Analysis Date: **05/01/2006 11:03**

Sample ID: **06042741-02AMSD** Units : **µg/L** Run ID: **MSD_11_060501A** Prep Date: **05/01/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Methanol	317	50	250	0	127	45	163	294.9	7.3(22)	
Ethanol	294	5	250	0	117	50	149	286.6	2.4(15)	
Surr: Hexafluoro-2-propanol	479		500		96	63	137			

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.

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

May 03, 2006

CLS Work Order #: CPD0890
COC #: STR06042741

Reyna Vallejo
Alpha Analytical, Inc.-Sparks
255 Glendale Ave.; Suite 21
Sparks, NV x120

Project Name: STR06042741

Enclosed are the results of analyses for samples received by the laboratory on 04/27/06 16:45. 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

Sample Receiving Exception Report
Work Order #CPD0890

Sample "STR06042741-08A (EX-1)" for Heterotrophic Plate Count was received out of hold time. Sample was analyzed despite hold time issue.

3249 Fitzgerald Road Rancho Cordova, CA 95742 800-638-7301 916-638-7301 Fax: 916-638-4510

CALIFORNIA LABORATORY SERVICES

05/03/06 16:08

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks NV, x120	Project: STR06042741 Project Number: STR06042741 Project Manager: Reyna Vallejo	**CLS Work Order #: CPD0890** COC #: STR06042741

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
STR06042741-06A (MW-7) (CPD0890-01) Water Sampled: 04/27/06 09:51 Received: 04/27/06 16:45									
Biochemical Oxygen Demand	ND	3.0	mg/L	1	CP03220	04/28/06	05/03/06	EPA 405.1	
STR06042741-07A (MW-8) (CPD0890-02) Water Sampled: 04/27/06 08:33 Received: 04/27/06 16:45									
Biochemical Oxygen Demand	ND	3.0	mg/L	1	CP03220	04/28/06	05/03/06	EPA 405.1	
STR06042741-08A (EX-1) (CPD0890-03) Water Sampled: 04/27/06 12:00 Received: 04/27/06 16:45									
Biochemical Oxygen Demand	ND	3.0	mg/L	1	CP03220	04/28/06	05/03/06	EPA 405.1	
STR06042741-09A (EX-2) (CPD0890-04) Water Sampled: 04/27/06 11:07 Received: 04/27/06 16:45									
Biochemical Oxygen Demand	**22**	3.0	mg/L	1	CP03220	04/28/06	05/03/06	EPA 405.1	

CALIFORNIA LABORATORY SERVICES

05/03/06 16:08

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks NV, x120	Project: STR06042741 Project Number: STR06042741 Project Manager: Reyna Vallejo	**CLS Work Order #: CPD0890** COC #: STR06042741

Microbiological Parameters by APHA Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
STR06042741-06A (MW-7) (CPD0890-01) Water Sampled: 04/27/06 09:51 Received: 04/27/06 16:45									
Plate Count	**24**	1	CFU/mL	1	CP03208	04/27/06	04/29/06	SM 9215	
STR06042741-07A (MW-8) (CPD0890-02) Water Sampled: 04/27/06 08:33 Received: 04/27/06 16:45									
Plate Count	**660**	1	CFU/mL	1	CP03208	04/27/06	04/29/06	SM 9215	HT-1
STR06042741-08A (EX-1) (CPD0890-03) Water Sampled: 04/27/06 12:00 Received: 04/27/06 16:45									
Plate Count	**9800**	1	CFU/mL	1	CP03208	04/27/06	04/29/06	SM 9215	
STR06042741-09A (EX-2) (CPD0890-04) Water Sampled: 04/27/06 11:07 Received: 04/27/06 16:45									
Plate Count	**82000**	1	CFU/mL	1	CP03208	04/27/06	04/29/06	SM 9215	

CALIFORNIA LABORATORY SERVICES

05/03/06 16:08

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks NV, x120	Project: STR06042741 Project Number: STR06042741 Project Manager: Reyna Vallejo	**CLS Work Order #: CPD0890** COC #: STR06042741

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
Batch CP03220 - General										
Blank (CP03220-BLK1)				Prepared: 04/28/06 Analyzed: 05/03/06						
Biochemical Oxygen Demand	ND	3.0	mg/L							
LCS (CP03220-BS1)				Prepared: 04/28/06 Analyzed: 05/03/06						
Biochemical Oxygen Demand	156	3.0	mg/L	200		78.0	65-109			
LCS Dup (CP03220-BSD1)				Prepared: 04/28/06 Analyzed: 05/03/06						
Biochemical Oxygen Demand	162	3.0	mg/L	200		81.0	65-109	3.77	24	

CALIFORNIA LABORATORY SERVICES

05/03/06 16:08

Alpha Analytical, Inc.-Sparks 255 Glendale Ave.; Suite 21 Sparks NV, x120	Project: STR06042741 Project Number: STR06042741 Project Manager: Reyna Vallejo	**CLS Work Order #: CPD0890** COC #: STR06042741

Notes and Definitions

HT-1	The sample was received outside of the EPA recommended holding time.
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

Alpha Analytical, Inc.

Phone : (775) 355-1044 FAX : (775) 355-0406

Sample Receipt Checklist

Date Report is due to Client : **5/5/2006** Date of Notice : **4/28/2006 10:49:59**

Please take note of any NO check marks. If we receive no response concerning these items within 24 hours of the date of this notice, all of the samples will be analyzed as requested.

Client Name: **Stratus Environmental**	Project ID : **USA 57**	
Project Manager: **Gowri Kowtha**	Client's EMail: **gkowtha@stratusinc.net**	
	Client's Phone: **(530) 676-6001**	Client's FAX: **(530) 676-6005**
Work Order Number: **STR06042741**	Date Received: **4/27/2006**	Received by: Latricia Edrosa

Chain of Custody (COC) Information

Carrier name: FedEx

Chain of custody present ?	Yes ☑	No ☐	
Custody seals intact on shippping container/cooler ?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles ?	Yes ☐	No ☐	Not Present ☑
Chain of custody signed when relinquished and received ?	Yes ☑	No ☐	
Chain of custody agrees with sample labels ?	Yes ☑	No ☐	
Sample ID noted by Client on COC ?	Yes ☑	No ☐	
Date and time of collection noted by Client on COC ?	Yes ☑	No ☐	
Samplers's name noted on COC ?	Yes ☑	No ☐	
Internal Chain of Custody (COC) requested ?	Yes ☐	No ☑	
Sub Contract Lab Used :	None ☐	SEM ☐	Other (see comments) ☑

Sample Receipt Information

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	Cooler Temperature
Container/Temp Blank temperature in compliance (0-6°C)?	Yes ☑	No ☐	4 °C
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TOC Water - pH acceptable upon receipt (H2SO4 pH<2)?	Yes ☐	No ☐	N/A ☑

Analytical Requirement Information

Are non-Standard or Modified methods requested ?	Yes ☐	No ☑	
Are there client specific Project requirements ?	Yes ☐	No ☑	If YES : see the Chain of Custody (COC)

Comments : Chain pre-logged 4/27 in order for SAC office to sub HPC and BOD to CLS.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

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

WorkOrder : STR06042741

Report Due By : 5:00 PM On : 05-May-06

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

Report Attention : Gowri Kowtha
CC Report :

Gowri Kowtha
TEL : (530) 676-6001 x
FAX : (530) 676-6005
EMail : gkowtha@stratusinc.net

Job : 2007-0057-01/USA 57
PO :

Client's COC # : none

EDD Required : Yes

Sampled by : Client

Cooler Temp	Samples Received	Date Printed
4 °C	27-Apr-06	28-Apr-06

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests 3500FE_2OS_W	3500FE_TOT_W	ALCOHOL_W	AMMONIA_W	ANIONS(A)_W	ANIONS(B)_W	BOD	ORTHOPHOS_W	Sample Remarks
STR06042741-01A	S-1	AQ	04/27/06 13:27	5	0	6				MeOH / EtOH						
STR06042741-02A	S-2	AQ	04/27/06 14:01	5	0	6				MeOH / EtOH						
STR06042741-03A	MW-3	AQ	04/27/06 13:03	5	0	6				MeOH / EtOH						
STR06042741-04A	MW-5	AQ	04/27/06 08:00	5	0	6				MeOH / EtOH						
STR06042741-05A	MW-6	AQ	04/27/06 07:37	5	0	6				MeOH / EtOH						
STR06042741-06A	MW-7	AQ	04/27/06 09:51	13	1	6		FE+2	FE,Total	MeOH / EtOH	NH3	NO2, NO3, SO4	NO2, NO3, SO4	BOD	Ortho	BOD & Heterotrophic Plate Count subbed to CLS by SAC Office.
STR06042741-07A	MW-8	AQ	04/27/06 08:33	13	1	6		FE+2	FE,Total	MeOH / EtOH	NH3	NO2, NO3, SO4	NO2, NO3, SO4	BOD	Ortho	BOD & Heterotrophic Plate Count subbed to CLS by SAC Office.
STR06042741-08A	EX-1	AQ	04/27/06 12:00	13	1	6		FE+2	FE,Total	MeOH / EtOH	NH3	NO2, NO3, SO4	NO2, NO3, SO4	BOD	Ortho	BOD & Heterotrophic Plate Count subbed to CLS by SAC Office.

Comments: Chain pre-logged 4/27 in order for SAC office to sub HPC and BOD to CLS. Rest of samples received 04/28/06. Security seals intact. Frozen ice. :

Logged in by:	Signature	Print Name	Company	Date/Time
	Latricia Edrosa	Latricia Edrosa	Alpha Analytical, Inc.	4/28/06 11:16

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 :

CHAIN-OF-CUSTODY RECORD

CA

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

WorkOrder : STR06042741

Report Due By : 5:00 PM On : 05-May-06

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

Report Attention : Gowri Kowtha
CC Report :

Gowri Kowtha
TEL : (530) 676-6001 x
FAX : (530) 676-6005
EMail : gkowtha@stratusinc.net

Job : 2007-0057-01/USA 57
PO :

Client's COC # : none

EDD Required : Yes

Sampled by : Client

Cooler Temp	Samples Received	Date Printed
4 °C	27-Apr-06	28-Apr-06

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests OTHER	PHOSPHORUS_W	SULFIDE	TDS	TOC_W	TPH/P_W	VOC_W	Sample Remarks
STR06042741-01A	S-1	AQ	04/27/06 13:27	5	0	6							GAS-C	BTEX/OXY/EDB/1,2-DCA_C	
STR06042741-02A	S-2	AQ	04/27/06 14:01	5	0	6							GAS-C	BTEX/OXY/EDB/1,2-DCA_C	
STR06042741-03A	MW-3	AQ	04/27/06 13:03	5	0	6							GAS-C	BTEX/OXY/EDB/1,2-DCA_C	
STR06042741-04A	MW-5	AQ	04/27/06 08:00	5	0	6							GAS-C	BTEX/OXY/EDB/1,2-DCA_C	
STR06042741-05A	MW-6	AQ	04/27/06 07:37	5	0	6							GAS-C	BTEX/OXY/EDB/1,2-DCA_C	
STR06042741-06A	MW-7	AQ	04/27/06 09:51	13	1	6		See Remarks	Total	Sulfide	X	TOC	GAS-C	BTEX/OXY/EDB/1,2-DCA_C	BOD & Heterotrophic Plate Count subbed to CLS by SAC Office.
STR06042741-07A	MW-8	AQ	04/27/06 08:33	13	1	6		See Remarks	Total	Sulfide	X	TOC	GAS-C	BTEX/OXY/EDB/1,2-DCA_C	BOD & Heterotrophic Plate Count subbed to CLS by SAC Office.
STR06042741-08A	EX-1	AQ	04/27/06 12:00	13	1	6		See Remarks	Total	Sulfide	X	TOC	GAS-C	BTEX/OXY/EDB/1,2-DCA_C	BOD & Heterotrophic Plate Count subbed to CLS by SAC Office.

Comments: Chain pre-logged 4/27 in order for SAC office to sub HPC and BOD to CLS. Rest of samples received 04/28/06. Security seals intact. Frozen ice. ;

Logged in by:	Signature	Print Name	Company	Date/Time
	Patricia Edrosa	Patricia Edrosa	Alpha Analytical, Inc.	4/28/06 11:16

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 :

CHAIN-OF-CUSTODY RECORD

CA

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

WorkOrder : STR06042741

Report Due By : 5:00 PM On : 05-May-06

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

Gowri Kowtha
TEL : (530) 676-6001 x
FAX : (530) 676-6005
EMail : gkowtha@stratusinc.net

Report Attention : Gowri Kowtha
CC Report :

Job : 2007-0057-01/USA 57
PO :
Client's COC # : none

EDD Required : **Yes**
Sampled by : Client

Cooler Temp	Samples Received	Date Printed
4 °C	27-Apr-06	**28-Apr-06**

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests 3500FE_2OS_W	3500FE_TOT_W	ALCOHOL_W	AMMONIA_W	ANIONS(A)_W	ANIONS(B)_W	BOD	ORTHOPHOS_W	Sample Remarks
STR06042741-09A	EX-2	AQ	04/27/06 11:07	13	1	6		FE+2	FE,Total	MeOH / EtOH	NH3	NO2, NO3, SO4	NO2, NO3, SO4	BOD	Ortho	BOD & Heterotrophic Plate Count subbed to CLS by SAC Office.

Comments: Chain pre-logged 4/27 in order for SAC office to sub HPC and BOD to CLS. Rest of samples received 04/28/06. Security seals intact. Frozen ice.

Logged in by:	Signature	Print Name	Company	Date/Time
	Latricia Edrosa	Latricia Edrosa	Alpha Analytical, Inc.	4/28/06 11:16

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 :

CHAIN-OF-CUSTODY RECORD

CA

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

WorkOrder : STR06042741

Report Due By : 5:00 PM On : 05-May-06

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

Report Attention : Gowri Kowtha
CC Report :

Gowri Kowtha
TEL : (530) 676-6001 x
FAX : (530) 676-6005
EMail : gkowtha@stratusinc.net

Job : 2007-0057-01/USA 57
PO :
Client's COC # : none

EDD Required : **Yes**
Sampled by : Client

Cooler Temp	Samples Received	Date Printed
4 °C	27-Apr-06	**28-Apr-06**

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

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests OTHER	PHOSPHORUS_W	SULFIDE	TDS	TOC_W	TPH/P_W	VOC_W	Sample Remarks
STR06042741-09A	EX-2	AQ	04/27/06 11:07	13	1	6		See Remarks	Total	Sulfide	X	TOC	GAS-C	BTEX/OXY/EDB/1,2-DCA_C	BOD & Heterotrophic Plate Count subbed to CLS by SAC Office.

Comments: Chain pre-logged 4/27 in order for SAC office to sub HPC and BOD to CLS. Rest of samples received 04/28/06. Security seals intact. Frozen ice.

Logged in by:	Signature	Print Name	Company	Date/Time
	Patricia Edrosa	Patricia Edrosa	Alpha Analytical, Inc.	4/28/06 11:16

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:	Stratus Environmental
Address:	3330 Cameron Park Drive
City, State, Zip:	Cameron Park, CA 95667
Fax: 530-676-6005	Phone: 530-676-6001
Client:	USA 57
Address:	10700 McArthur Blvd.
City, State, Zip:	Oakland, CA

Global ID: T0600101808
EDF: YES
Project # 2007-0057-01
Email:
Report Attention:

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

Page # 1 of 2

Time Sampled	Date Sampled	Matrix	Lab ID (For Lab Use ONLY)	Sample Description	Containers	TAT (Working Days)	TPH-G	BTEX	5 OXY's	1,2-DCA	EDB	Methanol	Ethanol			Remarks
1327	4/27/2006	AQ	STR06042741-01	S-1	HCL VOA's	STD	X	X	X	X	X	X	X			
1401	4/27/2006	AQ	-02	S-2	HCL VOA's	STD	X	X	X	X	X	X	X			
1303	4/27/2006	AQ	-03	MW-3	HCL VOA's	STD	X	X	X	X	X	X	X			
~~N/S~~	~~4/27/2006~~	~~AQ~~		~~MW-4~~	~~HCL VOA's~~	~~STD~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			
0800	4/27/2006	AQ	-04	MW-5	HCL VOA's	STD	X	X	X	X	X	X	X			
0737	4/27/2006	AQ	-05	MW-6	HCL VOA's	STD	X	X	X	X	X	X	X			
0951	4/27/2006	AQ	-06	MW-7	HCL VOA's	STD	X	X	X	X	X	X	X			
0833	4/27/2006	AQ	-07	MW-8	HCL VOA's	STD	X	X	X	X	X	X	X			
1200	4/27/2006	AQ	-08	EX-1	HCL VOA's	STD	X	X	X	X	X	X	X			
1107	4/27/2006	AQ	-09	EX-2	HCL VOA's	STD	X	X	X	X	X	X	X			
~~N/S~~	~~4/27/2006~~	~~AQ~~		~~EX-3~~	~~HCL VOA's~~	~~STD~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			
~~N/S~~	~~4/27/2006~~	~~AQ~~		~~EX-4~~	~~HCL VOA's~~	~~STD~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			

ADDITIONAL INSTRUCTIONS:

	Signature	Print Name	Company	Date	Time
Relinquished by:	Vince Zalutka	Vince Zalutka	Stratus Environmental, Inc.	4/27/2006	1622
Received by:	E. Fmciano	Edana M. Fmciano	Alpha Analytical, Inc.	4/27/2006	1622
Relinquished by:	[illegible]				
Received by:	Latricia Edrosa	Latricia Edrosa	Alpha	4/28/06	10:56
Relinquished by:					
Received by:					

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

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Billing Information:	Stratus Environmental	Global ID:	T0600101608
Address:	3330 Cameron Park Drive	EDF:	YES
City, State, Zip:	Cameron Park, CA 95667	Project #	2007-0057-01
Fax: 530-676-6005	Phone: 530-676-6001	Email:	
		Report Attention:	
Client:	USA 57		
Address:	10700 McArthur Blvd.		
City, State, Zip:	Oakland, CA		

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

Time Sampled	Date Sampled	Matrix	Lab ID (For Lab Use ONLY)	Sample Description	Containers	TAT (Working Days)	BOD	Total Iron & Ferrous Iron	HPC	TOC	TDS	NO3, NO2 & Ammonia	Total P & Ortho-P	Sulfide & Sulfate	Remarks
					Analysis Requested										
0951	4/27/2006	AQ	STR060427241-06	MW-7	Various	STD	X	X	X	X	X	X	X	X	Watch Short Holding Times
0933	4/27/2006	AQ	-07	MW-8	Various	STD	X	X	X	X	X	X	X	X	
1206	4/27/2006	AQ	-08	EX-1	Various	STD	X	X	X	X	X	X	X	X	
1107	4/27/2006	AQ	-09	EX-2	Various	STD	X	X	X	X	X	X	X	X	

ADDITIONAL INSTRUCTIONS:

Signature		Company	Date	Time
Relinquished by: Vince Zafuttka	Vince Zafuttka	Stratus Environmental, Inc.	4/27/2006	1622
Received by: E. Fruciano	Edna M. Fruciano	Alpha Analytical, Inc.	4/27/2006	1622
Relinquished by: Patricia Edosa	Patricia Edosa			
Received by:		Alpha	4/28/06	10:56
Relinquished by:				
Received by:				

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

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