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November 1, 2011

EAI Project No. 1576

Mr. Henry Jones
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

SUBJECT: GROUND WATER MONITORING REPORT
THIRD QUARTER 2011
11630 - 11700 Burke Street, Santa Fe Springs, CA 90670
(RWQCB SCP Case No. 1238)

Dear Mr. Jones:

Pursuant to requirements of the California Regional Water Quality Control Board, Los Angeles Region (RWQCB) an electronic copy of the Environmental Audit, Inc. (EAI) report for the above referenced site titled *"Ground Water Monitoring Report, Third Quarter 2011,"* dated November 1, 2011, is hereby transmitted to the RWQCB. A hard copy of the report will follow via U.S. Mail.

Please call me at (714) 632-8521, ext. 226 or Steven Bright at ext. 224 if you have any questions.

Sincerely,

ENVIRONMENTAL AUDIT, INC.

Brent H Mecham

REGISTERED GEOLOGIST
BRENT H. MECHAM
No. 5649
STATE OF CALIFORNIA

Brent H. Mecham, RG, REA II
Project Manager

BHM:SAB:pje

attachment

cc: Larry Patsouras (w/attachment)

GROUND WATER MONITORING REPORT
THIRD QUARTER 2011

11630-11700 Burke Street
Santa Fe Springs, CA 90670
(RWQCB SCP Case No. 1238)

Prepared for:
LARRY PATSOURAS
11700 Burke Street
Santa Fe Springs, CA 90670

Submitted to:
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

EAI Project No. 1576

November 1, 2011

Prepared by:

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1.0 INTRODUCTION

This document constitutes a Ground Water Monitoring Report for the Third Quarter 2011 for the real property identified as 11630 - 11700 Burke Street, Santa Fe Springs, Los Angeles County, California 90670 (Site) (see Figure 1). EAI was retained by Mr. Larry Patsouras, the current property owner, to prepare this report.

Assessment efforts associated with the Site are currently being overseen by the California Regional Water Quality Control Board, Los Angeles Region (RWQCB). Mr. Henry Jones is the RWQCB Case Manager assigned to the Site and the Site Cleanup Program Case Number is 1238.

1.1 BACKGROUND INFORMATION

The Site, approximately 8.5 acres, is identified by the County of Los Angeles as Assessor's Parcel Number 8168-001-008. For reporting purposes the Site has been divided into the "East Parcel" where Mr. Patsouras operates El Greco, a wholesale grocery warehouse, and the "West Parcel" where Talco Plastics formerly operated until 1997 (see Figure 2). All of the former Talco Plastics facilities have been removed from the Site pursuant to permits issued by the City of Santa Fe Springs.

Historically, the Site Mitigation Unit (SMU), Health Hazardous Materials Division, County of Los Angeles Fire Department was initially working on environmental issues associated with the Site. On June 4, 1997, the SMU forwarded a letter to Mr. Jim Ross of the RWQCB transferring the case to the RWQCB due to the presence of chemicals, e.g., tetrachloroethene (PCE) and trichloroethene (TCE) detected in ground water beneath the Site.

1.2 SCOPE OF WORK

The scope of work completed for this event included:

- Gauging and purging all wells associated with the Site (MW-1D, MW-2, MW-3, and MW-4).
- Analytical testing of ground water samples for total petroleum hydrocarbons as gasoline (TPH-G) and diesel (TPH-D) by modified EPA Method 8015, volatile organic compounds (VOCs) by EPA Method 8260B, total chromium by EPA Method 200.7, and hexavalent chromium by EPA Method 218.6.
- Preparation of this report.

2.0 SAMPLING ACTIVITIES AND RESULTS

All sampling activities were completed on September 20, 2011.

2.1 GROUND WATER SAMPLING

Prior to initiating any purging or sampling activities, depth measurements to fluid levels in wells MW-1D through MW-4 were obtained using an interface probe accurate to 0.01 foot. Tables 1 and 2 contain the ground water elevation and testing results for hydrocarbons and metals, respectively, and Table 3 contains the well construction details. Ground water monitoring was scheduled for July 2011, but due to construction at the Site was delayed until September 20, 2011. Due to the construction, well casing elevations were also re-surveyed during the September 2011 sampling event.

Prior to collecting ground water samples for analytical testing, all wells were purged of approximately three well casing volumes of water. Temperature, conductivity, turbidity and pH readings were recorded to evaluate the effectiveness of purging activities (see Appendix A). Samples were collected from just below the water surface using disposable bottom bailers equipped with a volatile organic compound (VOC) sampling tip. The samples were sealed in 40-milliliter volatile organic analysis (VOA) vials with Teflon septa lined lids, one-liter amber glass jars, and 500-ml plastic bottles. Each VOA was completely filled so that no headspace existed between the sample and the lid.

2.2 SAMPLE IDENTIFICATION, DOCUMENTATION, PACKAGING AND SHIPPING

To identify and manage the samples collected in the field, a sample label was affixed to each sample container. Each sample label included the following information:

- Sample identification number
- Date and time of sample collection
- EAI project number
- Name of client
- Name of sampler

Following sample collection and labeling, the ground water samples were placed into a high quality ice chest for temporary storage and transport to the analytical laboratory. The following protocol was used for sample packaging:

- A self-adhesive sample label was placed across the lid of each sample container, acting not only as a sample label but also as a custody seal.

- The samples were placed in leak-proof "Ziploc" plastic bags.

- The samples were then placed into a high quality ice chest that included ice to keep the samples chilled during transport to the laboratory. The drain plug of the ice chest was secured using tape to preclude melting ice from leaking out of the cooler.

- The chain of custody record (COC) forms were placed in a "Ziploc" water-resistant plastic bag and taped to the inside lid of the cooler.

- The samples were kept chilled until delivered to the laboratory for analytical testing.

COC record forms (see Appendix B) were used to document sample collection and shipment to the laboratory for analytical testing. The COC record form identifies the contents of each shipment, the analytical testing to be completed on each sample, and maintains the custodial integrity of the samples.

2.3 DECONTAMINATION PROCEDURES

The pump and hose system (equipment) used only to purge the wells was decontaminated by flushing the equipment with a solution of Alconox detergent and tap water, and flushing the equipment with tap water.

2.4 MANAGEMENT OF WASTES

In the process of collecting media samples during the field-sampling program, potentially contaminated investigation-derived wastes were generated. These wastes included spent personal protective equipment (PPE), and well purging fluids. Spent PPE, e.g., gloves, were double bagged and placed in a municipal refuse dumpster. All well purging fluids were sealed in a labeled 55-gallon drum. The drum remained on the Site pending the results of the analytical testing, at which time the effluent was transported to an approved disposal or recycling facility.

2.5 ANALYTICAL TESTING

All ground water samples were analyzed by Enviro-Chem, Inc. a State of California certified hazardous waste testing laboratory (ELAP No. 1555). Samples were analyzed for TPH-G and TPH-D by modified EPA Method 8015, for VOCs by EPA Method 8260B, for total chromium by EPA Method 200.7, and for hexavalent chromium by EPA Method 218.6. The results of the ground water testing are presented in Tables 1 and 2. The chain of custody records and laboratory reports are contained in Appendix B.

2.6 GROUND WATER ELEVATION MAP

Figure 3 is a ground water elevation map for the Site for April 8, 2011. Ground water flow direction is to the west southwest and is similar to prior ground water flow directions observed at the Site.

3.0 DISCUSSION

PCE concentrations in wells MW-2, MW-3 and MW-4 remain just above drinking water standards at a maximum concentration of 9.61 µg/L. The TCE concentration in all wells was below the MCLs for drinking water. The Site is located in an area known to be regionally impacted with chlorinated compounds (see Figure 4). Only minor amounts of PCE and TCE have been detected in site soils at very low concentrations. Of approximately 225 soil samples obtained and analyzed from site for PCE, only 10 contained concentrations above the detection limit at a maximum concentration of 0.51 mg/kg and only 6 contained TCE above the detection limit at a maximum concentration of 0.27 mg/kg. Therefore, it is EAI's opinion that the chlorinated compounds detected in ground water beneath the site are a result of the regional impact to ground water and not a result of any activities previously conducted at the Site.

4.0 WORK PROPOSED FOR NEXT REPORTING PERIOD

The following activities are proposed for the next reporting period:

- Conduct quarterly ground water monitoring in December 2011.

5.0 LIMITATION

Our professional services have been performed using that degree of knowledge, diligence, care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants practicing in this or similar localities at this time. This report has been prepared for Larry Patsouras. The conclusions contained in this report are based on information contained and/or referenced herein, and our best judgment. No other warranty, expressed or implied, is made as to the professional advice contained in this report.

TABLES

TABLE 1
SUMMARY OF GROUND WATER ELEVATION AND TESTING RESULTS - HYDROCARBONS
11630 - 11700 Burke Street, Santa Fe Springs, CA 90670
(concentrations in micrograms per liter - ug/L)

Well	Date	Well Casing Elevation (feet above sea level)	Depth to Ground Water (feet bgs)	Ground Water Elevation (feet above sea level)	TPH-G	TPH-D	TPH-O	Toluene	Xylenes	Chloroform	Carbon Tetra-chloride	cis-1,2-DCE	trans-1,2-DCE	1,1,1-TCA	1,1-DCA	1,2-DCA	1,1-DCE	PCE	TCE
MW-1	10/05/95	152.83	35.83	117.00	NA	NA	NA	<1	<2	1.9	<1	<1	<1	1.4	<1	<1	2.2	158	7.4
	01/13/97		38.33	114.50	NA	NA	NA	1.9	2.7	4.5	1.1	<0.5	<0.5	1.3	<0.5	0.5	4.3	93	11.4
	02/19/09		DRY		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/14/09	155.19*	DRY		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/20/09		DRY		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			On December 7, 2009 well MW-1 was deepened and is now identified as well MW-1D																
MW-1D	01/04/10	154.93*	74.72	80.21	<50	<500	NA	<1	<2	1.74	1.15	<1	<1	<1	<1	<1	<1	6.07	3.86
	04/26/10		68.29	86.64	<50	<500	NA	<1	<2	16.3	8.68	<1	<1	<1	<1	<1	<1	16.7	7.92
	07/23/10		67.20	87.73	<50	<500	NA	<1	<2	27.1	10.5	<1	<1	<1	<1	<1	<1	25.5	7.98
	10/14/10		70.11	84.82	<50	<500	NA	<1	<2	9.48	8.29	<1	<1	<1	<1	<1	<1	6.14	8.21
	01/12/11		68.12	86.81	<50	<500	NA	<1	<2	13.7	8.40	<1	<1	<1	<1	<1	<1	8.78	9.36
	04/08/11		60.32	94.61	<50	<500	NA	<1	<2	13.5	9.30	<1	<1	<1	<1	<1	<1	10.8	7.42
	09/20/11	152.36*	50.69	101.67	<50	<500	NA	<1	<2	2.87	4.99	<1	<1	<1	<1	<1	<1	4.66	2.19
MW-2	01/13/97	149.66	32.14	117.52	NA	NA	NA	<0.5	<1.0	1.5	<0.5	<0.5	<0.5	7.9	1.3	<0.5	33.2	296	14.5
	02/19/09		39.70	109.96	<50	<500	<3,000	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	7.19	<1
	07/14/09	152.01*	41.27	110.74	<50	<500	NA	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	8.92	<1
	10/20/09		DRY		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/04/10		DRY		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/26/10		DRY		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/23/10		DRY		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/14/10		DRY		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/12/11		DRY		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/08/11		DRY		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/20/11	152.01*	39.17	112.84	<50	<500	NA	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	6.54	<1
MW-3	07/14/09	155.22*	68.67	86.55	<50	<500	NA	<1	<2	36.1	17.0	<1	<1	<1	<1	<1	<1	2.54	4.16
	10/20/09		DRY		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/04/10		DRY		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/26/10		68.49	86.73	NS	NS	NS	<1	<2	9.32	<1	2.69	13.0	<1	<1	<1	<1	130(1)	60.5
	07/23/10		67.37	87.85	<50	<500	NA	<1	<2	8.34	<1	<1	<1	<1	<1	<1	<1	36.7	6.64
	10/14/10		DRY		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/12/11		DRY		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/08/11		60.46	94.76	<50	<500	NA	<1	<2	5.56	3.56	<1	<1	<1	<1	<1	<1	5.85	5.31
	09/20/11	152.32*	50.51	101.81	<50	<500	NA	<1	<2	4.73	6.67	<1	<1	<1	<1	<1	<1	9.61	2.81
MW-4	07/14/09	155.07*	70.05	85.02	<50	<500	NA	<1	<2	4.11	1.34	1.52	1.22	<1	<1	<1	<1	11.4	6.05
	10/20/09		74.52	80.55	<50	<500	NA	<1	<2	11.3	7.93	<1	1.01	<1	<1	<1	<1	16.4	6.65
	01/04/10		76.51	78.56	<50	<500	NA	<1	<2	13.3	10.5	<1	<1	<1	<1	<1	<1	20.4	4.95
	04/26/10		69.83	85.24	<50	<500	NA	<1	<2	9.02	6.92	<1	<1	<1	<1	<1	<1	11.3	3.77
	07/23/10		68.65	86.42	<50	<500	NA	<1	<2	4.08	2.44	<1	<1	<1	<1	<1	<1	12.9	3.12
	10/14/10		71.71	83.36	<50	<500	NA	<1	<2	3.49	2.67	<1	<1	<1	<1	<1	<1	11.0	2.75
	01/12/11		69.74	85.33	<50	<500	NA	<1	<2	2.29	1.84	<1	<1	<1	<1	<1	<1	8.90	2.80
	04/08/11		61.81	93.26	<50	<500	NA	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	2.93	1.81
	09/20/11	154.00*	53.38	100.73	<50	<500	NA	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	5.43	1.04
			Maximum Contaminant Level		NE	NE	NE	150	1,750	NE	0.5	NE	NE	200	5	0.5	6	5	5

TABLE 1
SUMMARY OF GROUND WATER ELEVATION AND TESTING RESULTS - HYDROCARBONS
11630 - 11700 Burke Street, Santa Fe Springs, CA 90670
(concentrations in micrograms per liter - ug/L)

Only those volatile organic compounds detected are listed. Sample collected from well MW-2 on February 19, 2009 also analyzed for ETBE, DIPE, MTBE, TAME, TBA and Ethanol
Elevations for wells MW-1 and MW-2 based on established elevation (151.71 feet MSL) for off-site Phibro-Tech well MW-3
* = Surveyed to LA County Department of Public Works Bench Mark #Y-6668 by Evans Land Surveying. After site construction, wells were re-surveyed on September 20, 2011.
(1) = Well was not purged, Only one foot of water in the well end cap, Probably not representative of ground water conditions.
< = Not detected at laboratory report limit listed
NA = Not analyzed for this chemical
NE = Not Established
NS = Not sampled - well dry
1.1 = Concentration detected exceeds MCL

TABLE 2
SUMMARY OF GROUND WATER TESTING RESULTS - METALS
11630 - 11700 Burke Street, Santa Fe Springs, CA 90670
(concentrations in milligrams per liter - mg/L)

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-1	10/05/95	<0.1	<0.1	0.38	<0.01	<0.02	0.06	NA	<0.03	<0.05	<0.12	<0.005	<0.05	<0.04	<0.1	<0.02	<0.16	0.07	0.09
	01/13/97	<0.1	<0.1	0.52	<0.01	<0.02	0.08	NA	<0.03	0.07	<0.12	<0.005	<0.05	<0.04	<0.1	<0.02	<0.16	0.13	0.15
	02/19/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/14/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/20/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/26/10		On December 7, 2009 well MW-1 was abandoned and replaced by well MW-1D																
MW-1D	01/04/10	NA	NA	NA	NA	NA	<0.01	0.0037	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/26/10	NA	NA	NA	NA	NA	<0.01	0.0043	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/23/10	NA	NA	NA	NA	NA	<0.01	0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/14/10	NA	NA	NA	NA	NA	0.022	0.0056	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/12/11	NA	NA	NA	NA	NA	0.021	0.0068	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/08/11	NA	NA	NA	NA	NA	<0.01	0.0079	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/20/11	NA	NA	NA	NA	NA	<0.01	0.0024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	01/13/97	<0.1	<0.1	0.44	<0.01	<0.02	0.09	NA	0.04	0.08	<0.12	<0.0005	<0.05	0.05	<0.1	<0.02	<0.16	0.14	0.19
	02/19/09	NA	NA	NA	NA	NA	<0.01	0.0039	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/14/09	NA	NA	NA	NA	NA	0.061	0.00432	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/20/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/04/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/26/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/23/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/14/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/12/11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/08/11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/20/11	NA	NA	NA	NA	NA	<0.01	0.0065	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	07/14/09	NA	NA	NA	NA	NA	<0.01	<0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/20/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/04/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/26/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/23/10	NA	NA	NA	NA	NA	<0.01	0.0087	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/14/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/12/11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/08/11	NA	NA	NA	NA	NA	<0.01	0.0057	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/20/11	NA	NA	NA	NA	NA	<0.01	0.0056	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2
SUMMARY OF GROUND WATER TESTING RESULTS - METALS
11630 - 11700 Burke Street, Santa Fe Springs, CA 90670
(concentrations in milligrams per liter - mg/L)

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-4	07/14/09	NA	NA	NA	NA	NA	<0.01	0.00443	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/20/09	NA	NA	NA	NA	NA	<0.01	0.0040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/04/10	NA	NA	NA	NA	NA	<0.01	0.0036	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/26/10	NA	NA	NA	NA	NA	<0.01	0.0034	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/23/10	NA	NA	NA	NA	NA	<0.01	0.0057	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/14/10	NA	NA	NA	NA	NA	0.021	0.0051	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/12/11	NA	NA	NA	NA	NA	0.013	0.0052	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/08/11	NA	NA	NA	NA	NA	<0.01	<0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/20/11	NA	NA	NA	NA	NA	<0.01	0.0051	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

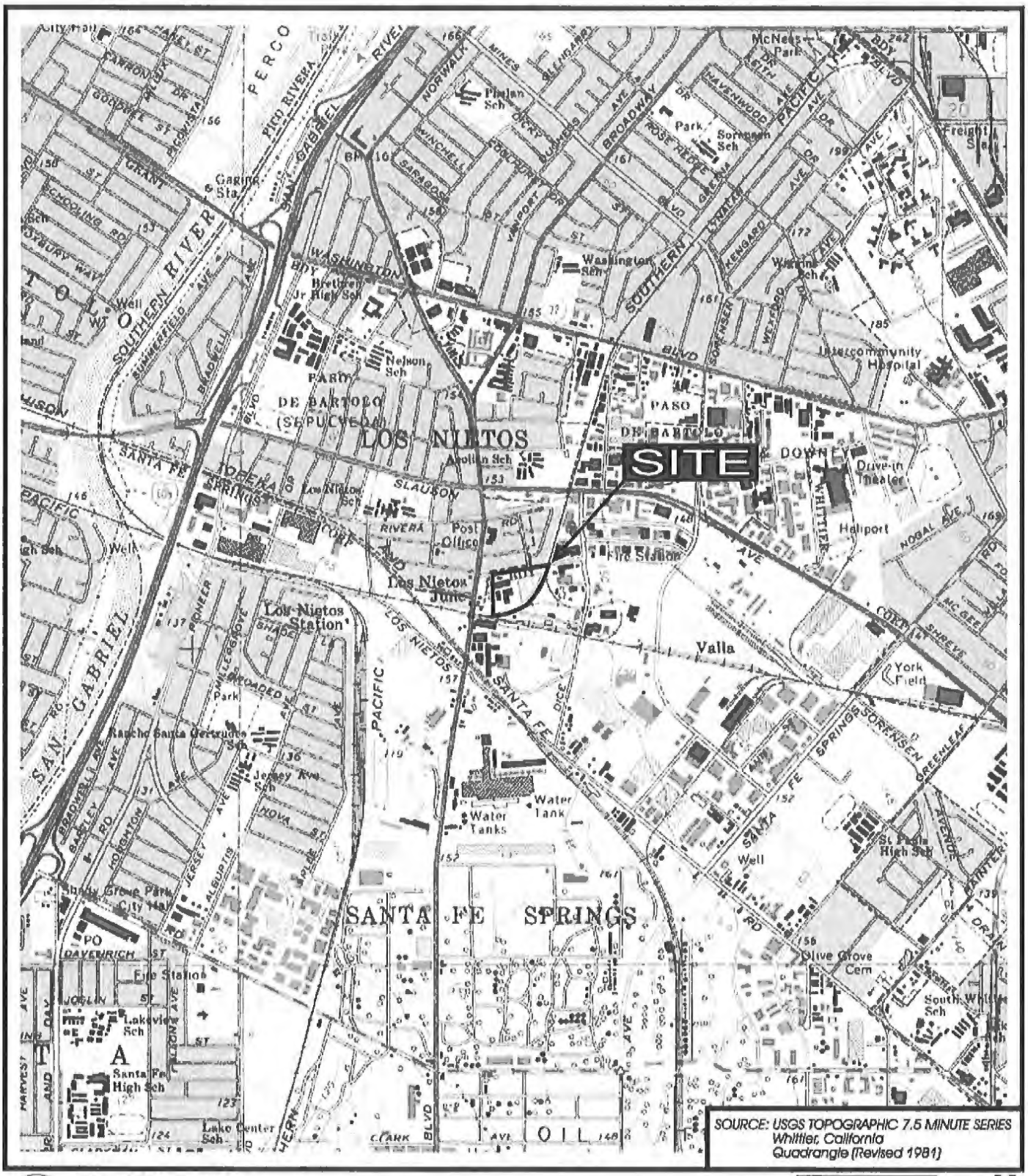
Ground water samples collected on January 13, 1997 were also analyzed on a filtered basis. No metals were detected in the filtered ground water samples
< = Not detected at laboratory reporting limit listed
NA = Not analyzed for this chemical
NS = Not sampled - well dry

TABLE 3
SUMMARY OF WELL CONSTRUCTION DATA
11630 - 11700 Burke Street, Santa Fe Springs, CA 90670

Well	Date Completed	Installed By	Well Permit Number	Casing Diameter (inch)	Total Depth (feet bgs)	Screen Interval (feet bgs)	Slot Size (inch)	Well Elevation (feet)
MW-1 [(a)]	10/03/95	EAI	?	2	53	33 - 53	0.020	155.19
MW-1D	12/07/09	EAI	890007	2	80	60-80	0.020	154.93
MW-2	12/23/96	EAI	?	2	55	30 - 55	0.020	152.01
MW-3	06/30/09	EAI	9234	2	70	40-70	0.020	155.22
MW-4	06/30/09	EAI	9234	2	80	50-80	0.020	155.07

Well elevation data based on Evans Land Surveying and Mapping survey (NAVD'88)
Bench Mark # Y-6668, Elevation = 155.530 ft. (2005 adj.)
(a) = Well abandoned on 12/07/09 and replaced by well MW-1D

FIGURES



Environmental Audit, Inc.

0 2,000'

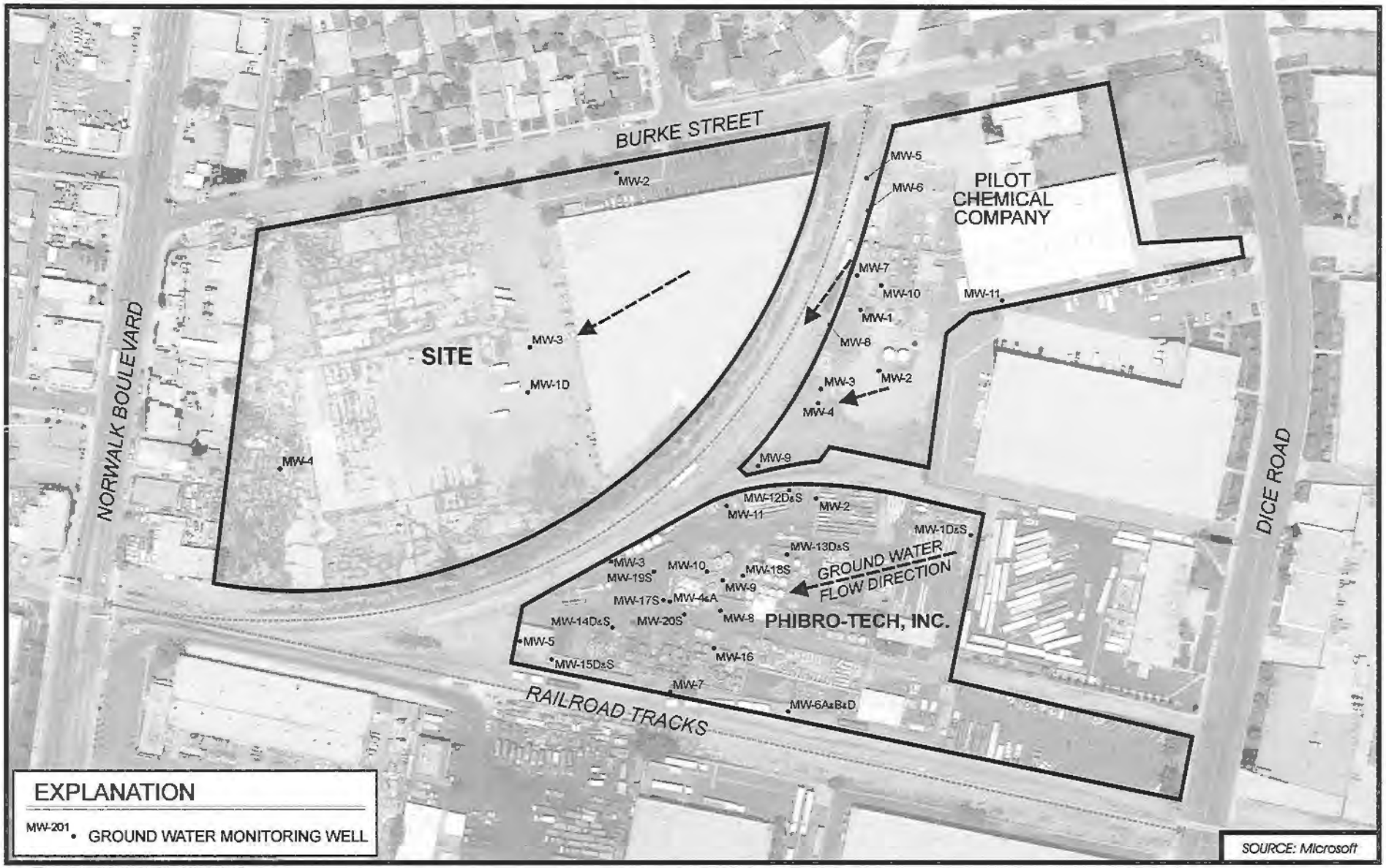
N

SITE LOCATION MAP
11630 - 11700 Burke Street
Santa Fe Springs, CA 90670

Project No. 1576

Figure 1

N:\1576\SiteLocMap.cdr



ENVIRONMENTAL AUDIT, INC.

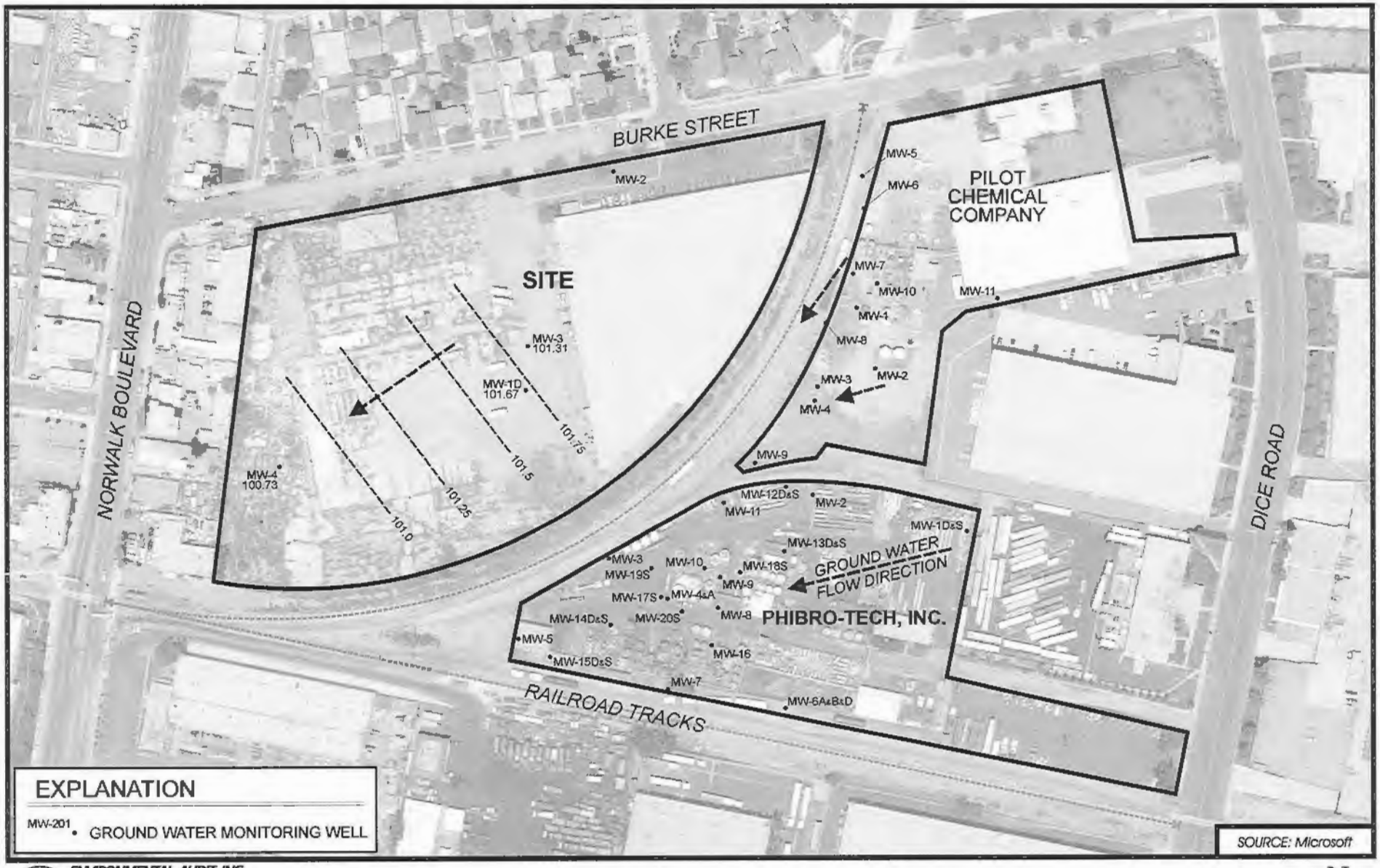
N

AERIAL VICINITY MAP
11630 to 11700 Burke Street
Santa Fe Springs, CA 90670

Project No. 1576

Figure 2

N:\1576\AerialVicinityMap(rev.3).cdr



ENVIRONMENTAL AUDIT, INC.®

N

GROUND WATER ELEVATION MAP
September 20, 2011
11630 to 11700 Burke Street
Santa Fe Springs, CA 90609

Project No. 1576

Figure 3

N:\1576\GWE September 20, 2011.cdr

FX-9: Wells

APPENDIX A

Ground Water Sampling Logs

GROUND WATER SAMPLING LOG

Environmental Audit, Inc. ®
Planning, Environmental Analysis and Hazardous Substances Management and Remediation
1000 ORTEGA WAY, SUITE A (714) 632-8521
PLACENTIA, CA 92870-7125 FAX (714) 632-6754

DATE:	9/20/2011
PROJECT NO.:	1576
CLIENT:	Burke Street
WELL NO.:	MW-1D
WELL DIAMETER (INCHES):	2"
SAMPLED BY:	BHM

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:

TOTAL DEPTH OF WELL (ft)		DEPTH TO WATER (ft bgs)	DEPTH TO FREE PRODUCT (ft. bgs)
80	—	50.51	—

WELL VOLUME FACTORS

WELL CASING ID (INCHES)	VOLUME FACTOR
2.0	0.16
4.0	0.65
6.0	1.47

29.49 x 0.16 = _____

WELL VOLUME FACTOR — ONE CASING VOLUME OF WATER (GALLONS)

PURGE TIME (hrs): START _____ FINISH _____

METHOD: DOWN HOLE PUMP [X] DEDICATED PUMP [ ] BAILER [ ] OTHER [ ]

TYPE/MODEL: Grundfos

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (µS/cm)	pH	TURBIDITY (NTU)	REMARKS
2	71.7	1449	7.13	136	
4	71.4	1321	7.08	101.9	
6	71.3	1321	7.06	69.6	
8	71.2	1312	7.05	60.5	
10	71.2	1326	7.02	53.9	
12	71.2	1324	7.01	55.7	

WELL SAMPLING INFORMATION

TIME SAMPLED (hrs): 1:10

METHOD: DOWN HOLE PUMP [ ] DEDICATED PUMP [ ] BAILER [X] OTHER [ ]

TYPE/MODEL: Voss Technologies

COMMENTS: _____

GROUND WATER SAMPLING LOG

Environmental Audit, Inc. ®
Planning, Environmental Analysis and Hazardous Substances Management and Remediation
1000 ORTEGA WAY, SUITE A (714) 632-8521
PLACENTIA, CA 92870-7125 FAX (714) 632-6754

DATE:	9/20/2011
PROJECT NO.:	1576
CLIENT:	Burke Street
WELL NO.:	MW-2
WELL DIAMETER (INCHES):	2"
SAMPLED BY:	BHM

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:

TOTAL DEPTH OF WELL (ft)		DEPTH TO WATER (ft bgs)	DEPTH TO FREE PRODUCT (ft. bgs)
55	—	39.17	–

WELL VOLUME FACTORS	
WELL CASING ID (INCHES)	VOLUME FACTOR
2.0	0.16
4.0	0.65
6.0	1.47

15.83 x 0.16 = 1.53

WELL VOLUME FACTOR — ONE CASING VOLUME OF WATER (GALLONS)

PURGE TIME (hrs): START ____ FINISH ____

METHOD: DOWN HOLE PUMP ☐ DEDICATED PUMP ☐ BAILER ☒ OTHER ☐

TYPE/MODEL: PVC

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (µS/cm)	pH	TURBIDITY (NTU)	REMARKS
2	71.7	2861	6.61	802	
4	72.0	2834	6.67	895	
6					

WELL SAMPLING INFORMATION

TIME SAMPLED (hrs): 1.25

METHOD: DOWN HOLE PUMP ☐ DEDICATED PUMP ☐ BAILER ☒ OTHER ☐

TYPE/MODEL: Voss Technologies

COMMENTS: _____

GROUND WATER SAMPLING LOG

Environmental Audit, Inc. ®
Planning, Environmental Analysis and Hazardous Substances Management and Remediation
1000 ORTEGA WAY, SUITE A (714) 632-8521
PLACENTIA, CA 92870-7125 FAX (714) 632-6754

DATE:	9/20/2011
PROJECT NO.:	1576
CLIENT:	Burke Street
WELL NO.:	MW-3
WELL DIAMETER (INCHES):	2"
SAMPLED BY:	BHM

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:

TOTAL DEPTH OF WELL (ft)		DEPTH TO WATER (ft bgs)	DEPTH TO FREE PRODUCT (ft. bgs)
69.5	—	50.69	—

WELL VOLUME FACTORS	
WELL CASING ID (INCHES)	VOLUME FACTOR
2.0	0.16
4.0	0.65
6.0	1.47

18.81 x 0.16 = 3.01

WELL VOLUME FACTOR — ONE CASING VOLUME OF WATER (GALLONS)

PURGE TIME (hrs): START ____ FINISH ____

METHOD: DOWN HOLE PUMP [X] DEDICATED PUMP [ ] BAILER [ ] OTHER [ ]

TYPE/MODEL: Grundfos

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (µS/cm)	pH	TURBIDITY (NTU)	REMARKS
3	71.5	1217	6.94	29.6	
6	71.4	1277	6.94	9.67	
9	71.4	1288	6.94	5.72	

WELL SAMPLING INFORMATION

TIME SAMPLED (hrs): 1:15

METHOD: DOWN HOLE PUMP [ ] DEDICATED PUMP [ ] BAILER [X] OTHER [ ]

TYPE/MODEL: Voss Technologies

COMMENTS: _____

GROUND WATER SAMPLING LOG

Environmental Audit, Inc. ®
Planning, Environmental Analysis and Hazardous Substances Management and Remediation
1000 ORTEGA WAY, SUITE A (714) 632-8521
PLACENTIA, CA 92870-7125 FAX (714) 632-6754

DATE:	9/20/2011
PROJECT NO.:	1576
CLIENT:	Burke Street
WELL NO.:	MW-4
WELL DIAMETER (INCHES):	2"
SAMPLED BY:	BHM

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:

TOTAL DEPTH OF WELL (ft)		DEPTH TO WATER (ft bgs)	DEPTH TO FREE PRODUCT (ft. bgs)
80	—	53.38	—

WELL VOLUME FACTORS

WELL CASING ID (INCHES)	VOLUME FACTOR
2.0	0.16
4.0	0.65
6.0	1.47

26.62 x 0.16 = 4.24

WELL VOLUME FACTOR — ONE CASING VOLUME OF WATER (GALLONS)

PURGE TIME (hrs): START ____ FINISH ____

METHOD: DOWN HOLE PUMP [X] DEDICATED PUMP [ ] BAILER [ ] OTHER [ ]

TYPE/MODEL: Grundfos

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (µS/cm)	pH	TURBIDITY (NTU)	REMARKS
2	71.4	1310	6.81	2096	
4	71.7	1298	6.83	1543	
6	71.7	1290	6.81	1266	
8	71.8	1286	6.81	851	
10	71.6	1279	6.82	676	
12	71.6	1275	6.86	160	

WELL SAMPLING INFORMATION

TIME SAMPLED (hrs): 1:20

METHOD: DOWN HOLE PUMP [ ] DEDICATED PUMP [ ] BAILER [X] OTHER [ ]

TYPE/MODEL: Voss Technologies

COMMENTS: _____

APPENDIX B

Chain of Custody Record and Laboratory Reports

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: September 28, 2011

Mr. Brent Mecham
Environmental Audit, Inc.
1000 Ortega Way, Suite A
Placentia, CA 92870-7162
(714)632-8521 Fax(714)632-6754

Project: **1576 / Burke Street**
Lab I.D.: **110921-5, -6, -7, -8**

Dear Mr. Mecham:

The **analytical results** for the water samples, received by our laboratory on September 21, 2011, are attached. The samples were received chilled, intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Environmental Audit, Inc.
1000 Ortega Way, Suite A
Placentia, CA 92670-7125
(714)632-8521 Fax(714)632-6754

PROJECT: 1576 / Burke Street
MATRIX: WATER
DATE SAMPLED: 09/20/11
REPORT TO: MR. BRENT MECHAM

DATE RECEIVED: 09/21/11
DATE ANALYZED: 09/23/11
DATE REPORTED: 09/28/11

C4-C10 HYDROCARBONS
METHOD: EPA 5030B/8015B
UNIT: ug/L = MICROGRAM PER LITER = PPB

SAMPLE I.D.	LAB I.D.	C4-C10 RESULT	DF
MW-1D	110921-5	ND	1
MW-3	110921-6	ND	1
MW-4	110921-7	ND	1
MW-2	110921-8	ND	1
Method Blank	---	ND	1
	PQL	50.0	

COMMENTS
C4-C10 = GASOLINE RANGE
PQL = PRACTICAL QUANTITATION LIMIT
DF = DILUTION FACTOR
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

Gas/BTEX(8015B/8021B) QC

Date Analyzed: 9/23/2011 Units: ug/L (PPB)

Matrix: **VAPOR/WATER**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **110921-5 MS/MSD**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %REC	ACP %RPD
Gasoline Range	0	500	593	119%	590	118%	1%	**75-125**	**<20%**
Benzene	0	50.0	59.1	118%	57.9	116%	2%	**75-125**	**<20%**
Toluene	0	50.0	59.6	119%	60.0	120%	1%	**75-125**	**<20%**
Ethylbenzene	0	50.0	62.1	124%	60.8	122%	2%	**75-125**	**<20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
Gasoline Range	500	582	116%	**75-125**
Benzene	50.0	55.7	111%	**75-125**
Toluene	50.0	59.5	119%	**75-125**
Ethylbenzene	50.0	60.9	122%	**75-125**

Surrogate Recovery	ACP %REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	110922-13	110922-14	110921-5	110921-6	110921-7	110921-8	
BFB	70-130	110%	114%	110%	111%	112%	109%	112%	

Surrogate Recovery	ACP %REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.									
BFB	70-130								

Surrogate Recovery	ACP %REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
BFB	70-130					

S.R. = Sample Result
spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Environmental Audit, Inc.**
1000 Ortega Way, Suite A
Placentia, CA 92670-7125
(714)632-8521 Fax(714)632-6754

PROJECT: **1576 / Burke Street** DATE RECEIVED: 09/21/11
MATRIX: WATER DATE EXTRACTED: 09/21/11
DATE SAMPLED: 09/20/11 DATE ANALYZED: 09/22/11
REPORT TO: MR. BRENT MECHAM DATE REPORTED: 09/28/11

C11-C22 HYDROCARBONS
METHOD: EPA 8015B
UNIT: ug/L = MICROGRAM PER LITER = PPB

SAMPLE I.D.	LAB I.D.	C11-C22 RESULT	DF
MW-1D	110921-5	ND	1
MW-3	110921-6	ND	1
MW-4	110921-7	ND	1
MW-2	110921-8	ND	1
Method Blank		ND	1
	PQL	**500**	

COMMENTS
C11-C22 = DIESEL RANGE
PQL = PRACTICAL QUANTITATION LIMIT
DF = DILUTION FACTOR
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 9/22/2011 **Units:** ug/L (PPB)

Matrix: **Water/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **110921-24 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11-C22 RANGE	0	150000	149000	99%	152000	101%	2%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11-C22 RANGE	12000	11100	93%	75-125

Analyzed and Reviewed by: _____

Final Reviewer: _____

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Environmental Audit, Inc.**
1000 Ortega Way, Suite A
Placentia, CA 92670-7125
(714)632-8521 Fax(714)632-6754

PROJECT: **1576 / Burke Street**

MATRIX: WATER
DATE RECEIVED: 09/21/11
DATE SAMPLED: 09/20/11
DATE ANALYZED: 09/21-22/11
REPORT TO: MR. BRENT MECHAM
DATE REPORTED: 09/28/11

SAMPLE I.D.: **MW-1D**
LAB I.D.: 110921-5

TOTAL METALS ANALYSIS
UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Chromium(Cr)	ND	0.01	1	200.7
Chromium VI (Cr6)	0.0024	0.0002	1	218.6

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Environmental Audit, Inc.**
1000 Ortega Way, Suite A
Placentia, CA 92670-7125
(714)632-8521 Fax(714)632-6754

PROJECT: **1576 / Burke Street**

MATRIX: WATER
DATE RECEIVED: 09/21/11
DATE SAMPLED: 09/20/11
DATE ANALYZED: 09/21-22/11
REPORT TO: MR. BRENT MECHAM
DATE REPORTED: 09/28/11

SAMPLE I.D.: **MW-3**
LAB I.D.: 110921-6

TOTAL METALS ANALYSIS
UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Chromium(Cr)	ND	0.01	1	200.7
Chromium VI (Cr6)	0.0056	0.0002	1	218.6

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Environmental Audit, Inc.**
1000 Ortega Way, Suite A
Placentia, CA 92670-7125
(714)632-8521 Fax(714)632-6754

PROJECT: **1576 / Burke Street**

MATRIX: WATER
DATE RECEIVED: 09/21/11
DATE SAMPLED: 09/20/11
DATE ANALYZED: 09/21-22/11
REPORT TO: MR. BRENT MECHAM
DATE REPORTED: 09/28/11

SAMPLE I.D.: **MW-4**
LAB I.D.: 110921-7

TOTAL METALS ANALYSIS
UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Chromium(Cr)	ND	0.01	1	200.7
Chromium VI (Cr6)	0.0051	0.0002	1	218.6

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Environmental Audit, Inc.**
1000 Ortega Way, Suite A
Placentia, CA 92670-7125
(714)632-8521 Fax(714)632-6754

PROJECT: **1576 / Burke Street**

MATRIX: WATER
DATE RECEIVED: 09/21/11
DATE SAMPLED: 09/20/11
DATE ANALYZED: 09/21-22/11
REPORT TO: MR. BRENT MECHAM
DATE REPORTED: 09/28/11

SAMPLE I.D.: **MW-2**
LAB I.D.: 110921-8

TOTAL METALS ANALYSIS
UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Chromium(Cr)	ND	0.01	1	200.7
Chromium VI (Cr6)	0.0065	0.0002	1	218.6

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Environmental Audit, Inc.**
1000 Ortega Way, Suite A
Placentia, CA 92670-7125
(714)632-8521 Fax(714)632-6754

PROJECT: **1576 / Burke Street**

MATRIX: WATER
DATE RECEIVED: 09/21/11
DATE SAMPLED: 09/20/11
DATE ANALYZED: 09/21-22/11
REPORT TO: MR. BRENT MECHAM
DATE REPORTED: 09/28/11

METHOD BLANK FOR LAB I.D.: 110921-5 THROUGH -8

TOTAL METALS ANALYSIS
UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Chromium(Cr)	ND	0.01	1	200.7
Chromium VI (Cr6)	ND	0.0002	1	218.6

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 9/22/2011

Unit : mg/L(ppm)

Analysis	Spk.Sample BATCH ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Chromium(Cr)	110921-24	1.00	100	PASS	0	1.00	1.09	109%	1.10	110%	1%
Copper(Cu)	110921-24	1.00	103	PASS	0.021	1.00	0.956	94%	0.956	94%	0%
Zinc(Zn)	110921-24	1.00	101	PASS	0.015	1.00	1.00	99%	0.997	98%	0%

ANALYSIS DATE. : 9/22/2011

Analysis	Spk.Sample BATCH ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	110921-24	0.00250	96	PASS	0	0.00250	0.00210	84%	0.00220	88%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium(Cr)	PASS	PASS	PASS	PASS
Copper(Cu)	PASS	PASS	PASS	PASS
Zinc(Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766
Tel (909) 590-5905
Fax (909) 590-5907

QA/QC Report for Chromium, Hexavalent (Cr^{6+})

Analysis Method: EPA 218.6

Analysis Date: 8/10/2011

Matrix Type: **Water**
Conc. Unit: µg/L

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spike Sample ID:	**110921-LCS1/2**	
Sample Result	0.00	
Spike Conc.	5.00	
MS	4.73	
%MS	**95%**	*Pass*
MSD	4.99	
%MSD	**100%**	*Pass*
%RPD	**5%**	*Pass*
ACP %MS	75~125%	
ACP %RPD	0~20%	

LCS STD Recovery

Spike Conc.	5.00	
LCS	5.37	
%LCS	**107%**	*Pass*
ACP %LCS	85~115%	

Analyzed/Reviewed by WP

Final Reviewed by CB1

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Environmental Audit, Inc.
1000 Ortega Way, Suite A
Placentia, CA 92670-7125
(714)632-8521 Fax(714)632-6754

PROJECT: 1576 / Burke Street
MATRIX: WATER
DATE SAMPLED: 09/20/11
REPORT TO: MR. BRENT MECHAM

DATE RECEIVED: 09/21/11
DATE ANALYZED: 09/21/11
DATE REPORTED: 09/28/11

EPA 5030B/8260B FOR FUEL OXYGENATES
UNIT: ug/L = MICROGRAM PER LITER = PPB

SAMPLE I.D.	LAB I.D.	ETBE	DIPE	MTBE	TAME	TBA	DF
MW-1D	110921-5	ND	ND	ND	ND	ND	1
MW-3	110921-6	ND	ND	ND	ND	ND	1
MW-4	110921-7	ND	ND	ND	ND	ND	1
MW-2	110921-8	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	1
	PQL	5.00	5.00	3.00	5.00	50.0	

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
ETBE = ETHYL tert-BUTYL ETHER
DIPE = ISOPROPYL ETHER
MTBE = METHYL tert-BUTYL ETHER
TAME = TERT-AMYL METHYL ETHER
TBA = TERTIARY BUTYL ALCOHOL

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

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REPORT TO: MR. BRENT MECHAM — DATE REPORTED: 09/28/11

SAMPLE I.D.: **MW-1D** — LAB I.D.: 110921-5

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	4.99	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	2.87	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **MW-1D** — LAB I.D.: 110921-5

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	4.66	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	2.19	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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SAMPLE I.D.: **MW-3** — LAB I.D.: 110921-6

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	6.67	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	4.73	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **MW-3** — LAB I.D.: 110921-6

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	9.61	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	2.81	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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SAMPLE I.D.: **MW-4**
LAB I.D.: 110921-7

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **MW-4**
LAB I.D.: 110921-7

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	5.43	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	1.04	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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SAMPLE I.D.: **MW-2**
LAB I.D.: 110921-8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **MW-2**
LAB I.D.: 110921-8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	6.54	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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METHOD BLANK REPORT

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METHOD BLANK FOR LAB I.D.: 110921-5 THROUGH -8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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METHOD BLANK REPORT

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DATE SAMPLED: 09/20/11
REPORT TO: MR. BRENT MECHAM
DATE RECEIVED: 09/21/11
DATE ANALYZED: 09/21/11
DATE REPORTED: 09/28/11

METHOD BLANK FOR LAB I.D.: 110921-5 THROUGH -8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 9/21-22/2011 **Matrix:** Water/Liquid
Machine: B **Unit:** ug/L (PPB)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 110921-24 10X MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	25.0	26.3	105%	24.3	97%	8%	75-125	0-20
Chlorobenzene	0	25.0	28.2	113%	25.2	101%	12%	75-125	0-20
1,1-Dichloroethene	7.68	25.0	32.0	97%	32.1	98%	0%	75-125	0-20
Toluene	0	25.0	24.7	99%	24.8	99%	0%	75-125	0-20
Trichloroethene (TCE)	0	25.0	25.1	100%	27.2	109%	8%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	25.0	27.0	108%	75-125
Chlorobenzene	25.0	28.1	113%	75-125
Chloroform	25.0	22.3	89%	75-125
1,1-Dichlorothene	25.0	27.1	108%	75-125
Ethylbenzene	25.0	26.8	107%	75-125
o-Xylene	25.0	26.6	106%	75-125
m,p-Xylene	50.0	58.2	116%	75-125
Toluene	25.0	25.0	100%	75-125
1,1,1-Trichloroethane	25.0	22.3	89%	75-125
Trichloroethene (TCE)	25.0	23.6	94%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	110921-5	110921-6	110921-7	110921-8	110921-14	110921-15
Dibromofluoromethane	25.0	70-130	85%	108%	116%	113%	89%	127%	107%
Toluene-d8	25.0	70-130	97%	106%	103%	104%	107%	105%	105%
4-Bromofluorobenzene	25.0	70-130	90%	87%	94%	89%	84%	73%	82%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			110921-16	110921-17	110921-18	110921-19	110921-23	110921-24	110921-25
Dibromofluoromethane	25.0	70-130	101%	106%	102%	109%	128%	112%	111%
Toluene-d8	25.0	70-130	106%	112%	108%	106%	106%	102%	100%
4-Bromofluorobenzene	25.0	70-130	81%	79%	84%	95%	76%	92%	92%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			110921-26	110921-27	110921-28	110921-36	110921-37	110921-38	
Dibromofluoromethane	25.0	70-130	102%	115%	113%	111%	108%	112%	
Toluene-d8	25.0	70-130	104%	101%	105%	100%	99%	101%	
4-Bromofluorobenzene	25.0	70-130	93%	92%	91%	91%	88%	89%	

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

Environmental Audit, Inc. ®

Planning, Environmental Analysis and Hazardous
Substances Management and Remediation
1000 ORTEGA WAY, SUITE A (714) 632-8521
PLACENTIA, CA 92870-7162 FAX (714) 632-6754

Chain of Custody Record

SAMPLING REQUIREMENTS: RCRA ☐ NPDES ☐ SDWA ☐ _____ ☐
WRITTEN QC REPORT EDS: YES ■ NO ☐
ROUTINE QC ■ TURNAROUND TIME:
RWQCB QC ☐ SAME DAY ☐ 24hr ☐ 48 hr ☐ NORMAL ■

PROJECT NO.: 1576
PROJECT NAME: Burke Street
SAMPLER: (Signature) B Mecham
PROJECT MANAGER: Brent Mecham

SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION	GLASS	PLASTIC	BRASS/SS TUBE	TPH-G 8015M	TPH-D 8015M	8260B*	Total Chrom. 200.7	Hex Chrome. 218.6	NUMBER OF CONTAINERS	REMARKS * Must include oxygenates
															110921-5
MW-1D	9/20/11	1:10		/	Water	/	/		/	/	/	/	/	5	3 VOAs, 1 liter amber, 500 ml plastic
MW-3	↓	1:15		/	↓	/	/		/	/	/	/	/	5	-6
MW-4	↓	1:20		/	↓	/	/		/	/	/	/	/	5	-7
MW-2	↓	1:25		/	↓	/	/		/	/	/	/	/	5	-8
														TOTAL NUMBER OF CONTAINERS	20

FACILITY NAME	GLOBAL ID	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Patsouras Property	T10000000614	B Mecham	9-21-11 10:35	[signature]
		RELINQUISHED BY: (Signature) [signature]	DATE/TIME	RECEIVED BY: (Signature)

SAMPLES SHIPPED VIA: FedEx ☐ UPS ☐ Airborne ☐ Bus ☐ Hand ☐ _____ ☐
SHIPPED BY: (Signature)
COURIER: (Signature)
RECEIVED FOR BY: (Signature) [signature]
LAB: EnviroChem
DATE/TIME 9/21/11 1:10