February 9, 2017

Johnny Browning 6200 Shattuck Partners, LLC 15 Mulberry Court, #5 Belmont, CA 94002 Phone: 650-271-6842 Email: johnnywgroup@gmail.com RECEIVED

By Alameda County Environmental Health 9:47 am, Feb 27, 2017

Re.: Fourth Quarter 2016 Groundwater Monitoring Report Automasters 6200 Shattuck Avenue Oakland, California ACEH Case #RO2935

I declare, that to the best of my knowledge at the present time, the information and/or recommendations contained in the attached document are true and correct.

Submitted by,

W

Johnny Browning LLC Manager 15 Mulberry Court, #5 Belmont, CA 94002



GROUNDWATER MONITORING REPORT FOURTH QUARTER 2016

Automasters Leaking Underground Tank Site 6200 Shattuck Avenue Oakland Case No. RO2935

Prepared for: 6200 Shattuck Partners LLC Oakland

Submitted to: Alameda County Department of Environmental Health Oakland

Prepared by:

West & Associates Environmental Engineers, Inc. Vacaville

February 2017

California State Contractor's License No. 734244

PHONE: 707. 451.1360 • FAX: 707.447.0631 • 630 EUBANKS CT, STE G • VACAVILLE, CALIFORNIA 95688



ACKNOWLEDGMENTS

This Groundwater Monitoring Report was prepared under authorization of our client, the Automasters property owner, and is intended for his exclusive use.

Groundwater investigation at the Automasters site is under jurisdiction of Alameda County Department of Environmental Health; 5550 Skyline Blvd., Suite A, Oakland, California 95403. The case has been assigned No. RO0002935.

In the preparation of this Site Assessment reliance was made on previous environmental investigation performed by Pangea in 2006.

The Automasters site has been assigned the GeoTracker Global ID T0619748201.

In the completion of this project reliance was made on chemical analytical testing performed by McCampbell Analytical in Pittsburg. McCampbell is certified by the State of California for the analyses performed.

This Report was prepared by West & Associates Environmental Engineers, Inc.; 630 Eubanks Ct., Unit G, Vacaville, California 95688. Principal author is Mr. Brian W. West, PE, (707) 451-1360; RCE 32319, expires 12/31/18.



WEST ASSOCIATES

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1.0 INTRODUCTION

This Groundwater Monitoring Report presents results of field measurements, hydrologic evaluation and groundwater analysis activities completed at the Automasters leaking underground fuel tank site located at 6200 Shattuck Avenue in Oakland, CA.

The Automasters site regional setting is shown on *Figure 1*. An aerial view of the property is presented on *Figure 2*. Both figures are included in *Appendix A*.

1.1 Scope

The scope of this project consisted of performing groundwater monitoring in the first encountered groundwater zone at the subject site. Specific scope items include:

- Hydrologic measurement to determine the local groundwater gradient direction and magnitude
- Collection of representative groundwater samples from three existing wells
- Proper management of investigative derived wastes (IDW)
- Arrange for groundwater sample analysis in a State certified laboratory
- Quality Control/ Quality Assurance Measures
- Prepare and submit this written monitoring report
- Data upload to GeoTracker

1.2 Summarized Background

The Automasters facility is located at the northeast corner of Shattuck Avenue and 62nd Street in an area of mixed residential and commercial land use. The elevation of the Site is 131 feet above mean sea level, with local topography sloping gently to the southwest (US Geological Survey [USGS], Oakland West Quadrangle, California). Surrounding properties are primarily single-family and multi-family residences with a few commercial buildings located along Shattuck Avenue to the south and northwest of the Site.

Shortly after purchasing the Site in 1986, Mr. Glenn Logan contracted with Ray Walker Hydraulics of Pleasanton, CA to remove two small underground gasoline storage tanks (USTs) from the southern portion of the Site. W&A contacted Mr. Walker in December 2014 to gather more information on these USTs and determine whether any contaminated soil was encountered during their removal. Mr. Walker searched his archived files but did not have any written information on this Site as the work was performed almost 30 years ago. To the best of his recollection both USTs were used for gasoline and either 500 or 1,000 gallons in size.

Mr. Logan distinctly remembers that contaminated soil between the USTs was removed and transported off-site for disposal. Attempts to contact the Oakland Fire Department regarding this Site were unsuccessful, so there is no written documentation of the quantity of soil removed or where it was taken.

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The initial site assessment activities at this Site were performed by Pangea in 2006. Three soil borings were advanced across the Site at the locations shown on *Figure 2*. Borings SB-1 and SB-3 were clean, i.e. there were no detectable concentrations of TPH-g, , BTEX compounds, fuel oxygenates, lead scavengers, TPH-d or TPH-motor oil detected in any of the soil samples collected from these borings. The sample collected from boring SB-2 at 11 feet below ground surface (bgs) was reported to contain TPH-g at 3,000 mg/kg, TPH-d at 850 mg/kg, naphthalene at 10 mg/kg, and negligible concentrations of BTEX compounds and fuel additives. The 8-foot and 16-foot deep samples from SB-2 had insignificant concentrations of TPH-g and TPH-d, indicating that the zone of contamination was very limited in vertical extent. Total lead concentrations in all samples were typical of background levels in the vicinity.

No groundwater was encountered during the drilling of this 48-foot deep borehole. The SB-2 borehole was left open overnight with a 10-foot screen placed near the bottom and a groundwater "grab" sample was collected from SB-2 the following day. The depth to groundwater in this borehole was 8 feet bgs. TPH-g at 1,700 μ g/L, TPH-d at 1,000 μ g/, TPH-motor oil at 1,100 μ g/L, and naphthalene at 440 μ g/L were reported in this sample along with modest concentrations of BTEX compounds and fuel additives. This groundwater was in direct contact with the sand and gravel layer at 11-12 feet bgs, so it is unclear whether these results are indicative of actual groundwater concentrations.

Sub-surface conditions encountered during the 2015 remedial investigation were consistent with those reported by Pangea in 2006. There is a relatively permeable silty sand strata (USCS 'GM') found between 7 to 12 feet BGS. The silty sand strata is overlain and underlain by a much less permeable clayey silt strata (USCS 'ML').

Soil borings advanced to 20 feet BGS are observed to be dry. However, when these borings are converted to groundwater monitoring wells the potentiometric groundwater surface rises to 4-7 feet bgs, indicating that shallow groundwater is at least partially confined.

The soil sample analytical results obtained by West & Associates in 2015 from 7 boreholes sampled to 20 feet bgs are also consistent with the results reported during the limited site investigation program conducted by Pangea. Both sampling activities reported significant concentrations of TPH-g and TPH-d in the vicinity of the former fuel dispenser island. Contamination is predominantly found in the permeable silty sand strata between 7 to 12 feet BGS.

Two of the groundwater monitoring wells installed in 2015 had significant concentrations of TPH-g, TPH-d, BTEX compounds and naphthalene when first sampled on December 31^{st} . MW-101, the well located west of the former USTs and dispenser island, was reported to contain TPH-g at 18,000 µg/L, TPH-d at 5,100 µg/L, benzene at 1,000 µg/L, and naphthalene at 170 µg/L. MW-103, south of the former USTs, was reported to contain TPH-g at 1,400 µg/L, benzene at 110 µg/L, and naphthalene at 78 µg/L TPH-d at 1,400 µg/L, benzene at 110 µg/L, and naphthalene at 78

All shallow soil samples (<5 feet BGS) collected from locations adjacent to the facility's current and past waste oil storage containers during this investigation were reported to be uncontaminated, suggesting that waste oil contamination is not a concern at the Automasters Site.

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The full magnitude and extent of soil and groundwater contamination remains undefined, based on the significant concentrations of TPH-g and BTEX compounds reported in both soil and groundwater at monitoring well locations on the west side of the property (MW-101) and the south side of the property (MW-103).

2.0 SITE CHARACTERISTICS

This section presents, physical site characteristics pertinent to the hydrogeologic assessment.

2.1 Physical Setting

The Automasters site is located at 6200 Shattuck Avenue, Oakland, California. It is an active motor vehicle repair facility approximately 0.1 acres in size. The site is surrounded by individual and multi-family private residences along with a few small commercial establishments. *Figure 3* shows the locations of the former USTs and dispenser island at the site.

The lead regulatory agency for UST and groundwater issues at the site is Alameda County Environmental Health Services, Environmental Protection Division (ACEH), the LOP for Alameda County. The site is also in the jurisdiction of the Regional Water Quality Control Board, San Francisco Bay Region.

2.2 Subsurface Conditions

Soil types encountered during the 2006 and 2015 site investigation activities consisted predominantly of silty clay to clayey silt with some sands and gravels to 36 feet below ground surface (bgs) and stiff clay from 36 feet to 48 feet bgs. The two borings advanced in 2006 closest to the former USTs and dispenser islands had a distinct sand and gravel lens at 10 to 12 feet bgs. The 2015 remedial investigation confirmed that shallow soils are predominately silty clay to clayey silt with a sand and gravel lens at 10 to 12 feet bgs.

The depth to first groundwater ranges from approximately 3 to 8 feet bgs. This shallow groundwater appears to comprise a perched aquifer that is not capable of providing a sustained yield of 200 gallons per day (the threshold for beneficial use designation).

3.0 HYDROLOGIC MONITORING

Hydrologic measurements were made at the Automasters site on January 6, 2017. This work was scheduled for December 30th but the site owner had a large, inoperable vehicle parked in a manner that was blocking MW-101. The vehicle was unable to be moved out of the way until January 6th, so monitoring and sampling were performed on that day. The static depth to groundwater (dtw) on that date was measured in each of the wells using a Solinst electronic sounding meter with a measurement accuracy of +/- 0.01 feet.

Table 1 presents top-of-casing (TOC) elevations, DTW measurements and groundwater elevations for the January 6, 2017 monitoring event. Hydrologic field data is presented on the "Purge Data Record Forms" included in *Appendix B.*

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Groundwater elevations from this sampling event are plotted on Figure 4. The local groundwater gradient direction as calculated using the January 6, 2017 data is to the WSW with a gradient of approximately 0.005 feet per foot.

TABLE 1 HYDROLOGIC MEASUREMENTS Automasters January 6, 2017

Well ID	тос	DTW	GWE
MW-101	128.84	3.53	125.31
MW-102	130.35	4.68	125.67
MW-103	130.03	4.51	125.52

,

Notes & Abbreviations:

TOC: Top of Casing DTW: Depth to Groundwater GWE: Groundwater Elevation

GROUNDWATER SAMPLE COLLECTION 4.0

Groundwater monitoring wells MW-101, MW-102, and MW-103 were purged and sampled on January 6, 2017. All techniques, equipment and procedures used in the collection of groundwater samples conformed to West & Associates "Standard Field Procedures". Groundwater purging data was recorded on the "Purge Data Record Forms" included in Appendix B.

Groundwater samples were collected using new, disposable plastic bailers. Upon retrieval to the surface, each water sample was transferred to laboratory-supplied containers for analysis of petroleum compounds as described below. All water samples were labeled, placed into an ice chilled cooler and transported under EPA chain-of-custody protocol to a State certified analytical laboratory for testing.

4.1 Purge Water

Monitoring well purge water was stored on site in a labeled 55-gallon drum pending laboratory chemical analysis results and subsequent proper disposal.

4.2 **Groundwater Sample Analysis**

On January 9, 2017, the Automasters groundwater sample set was submitted under chain of custody protocol to McCampbell Laboratories for chemical analysis. McCampbell is certified by the State of California for the analyses performed.

Each groundwater sample was analyzed for the following:

- Total Petroleum Hydrocarbons as gasoline (TPH-g) by Method 8015b
- Total Petroleum Hydrocarbons as diesel (TPH-d) by Method 8015b
- Total Petroleum Hydrocarbons as Motor Oil (TPH-mo) by Method 8015b



 Volatile Organic Compounds (VOCs) by EPA Method 8260 (including BTEX, MtBE and naphthalene)

Minimum laboratory detection limits for all analyses are presented in the original laboratory reports appearing in *Appendix C*.

4.3 Groundwater Sample Analytical Results

Groundwater sample analytical results for contaminants of concern are presented in *Table 2*. A summary of historical groundwater sample analytical results is presented in *Appendix D*.

TABLE 2 GROUNDWATER SAMPLE ANALYSIS Automasters January 6, 2017

Sample ID	р-Н-д	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MtBE	Naphthalene	PH-H	TPH-mo	Other VOCs
MW-101	17,000	900	35	680	1,100	<5	190	6,200	<250	*
MW-102	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<250	No
MW-103	5,800	97	10	220	310	<5	47	1,100	<250	*

(All values in micrograms per liter, i.e. ug/l or ppb)

* See Table 2.1

TABLE 2.1 VOC GROUNDWATER RESULTS Automasters

(Other than BTEX, MtBE & Naphthalene)

Sample ID	lsopropyl Benzene	N-Propyl Benzene	1,2,4 Trimethyl Benzene	1,3,5 Trimethyl Benzene	N-Butyl Benzene
MW-101	64	150	850	160	55
MW-102	<0.5	<0.5	<0.5	<0.5	<0.5
MW-103	25	64	260	35	22

Groundwater quality data for this reporting period is displayed graphically on Figure 3.

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4.4 Quality Assurance/Quality Control

QA/QC measures employed on the Automasters groundwater monitoring project conformed to West & Associates Standard Field Procedures. To summarize, QA/QC measures included:

- Assigning experienced and capable staff
- Following approved procedures and techniques
- Utilizing appropriate equipment and supplies
- Thorough and frequent decontamination of field equipment
- Maintaining detailed field notes
- Utilizing laboratory supplied sample containers
- Timely delivery of samples to the testing laboratory
- Keeping an unbroken Chain of Custody Record
- Adhering to EPA approved analytical procedures

All QA/QC procedures for this project were within acceptable parameters. A QA/QC review of the data set generated during this project reveals no anomalies. Analytical results are consistent with field observations and previously generated site data. The QA/QC report provided by the testing laboratory exhibits no flagged items. It is concluded that the data presented in this Report has an acceptable level or credibility and can be relied upon to accurately represent prevailing environmental conditions at the site.

5.0 DISCUSSION

The Automasters 4th Quarter 2016 groundwater monitoring project was completed in conformance with the ACEH and San Francisco Bay RWQCB guidelines for groundwater sampling and analysis. No deviations from the standard QA/QC protocols occurred during this monitoring activity. The data presented in this report is considered representative of prevailing site conditions.

Hydrologic measurements made at the Automasters site on January 6, 2017 were interpreted to represent a groundwater gradient flowing to the WSW at 266 degrees. The gradient magnitude was calculated to be 0.005 feet per foot. This hydrologic data is consistent with previous site measurements.

Elevated concentrations of gasoline constituent contaminants were reported in groundwater samples collected from wells MW-101 and MW-103. This data is consistent with results of the previous monitoring activity in October 2016.

6.0 CONCLUSIONS AND RECOMMENDATIONS

No anomalies were observed during the fourth quarter 2016 Automasters groundwater monitoring event. Hydrologic conditions were found to be very similar to those measured during the second and third quarters 2016. Contaminant concentrations in groundwater at wells MW-101 and MW-103 were within the range previously reported. No detectable groundwater contamination was again observed at well MW-102.

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No information was generated by the fourth quarter 2016 groundwater monitoring event which would alter project recommendations previously made, specifically:

- Conduct a geophysical site survey
- Perform additional sub-surface investigation
- Study the potential for indoor air intrusion and direct exposure

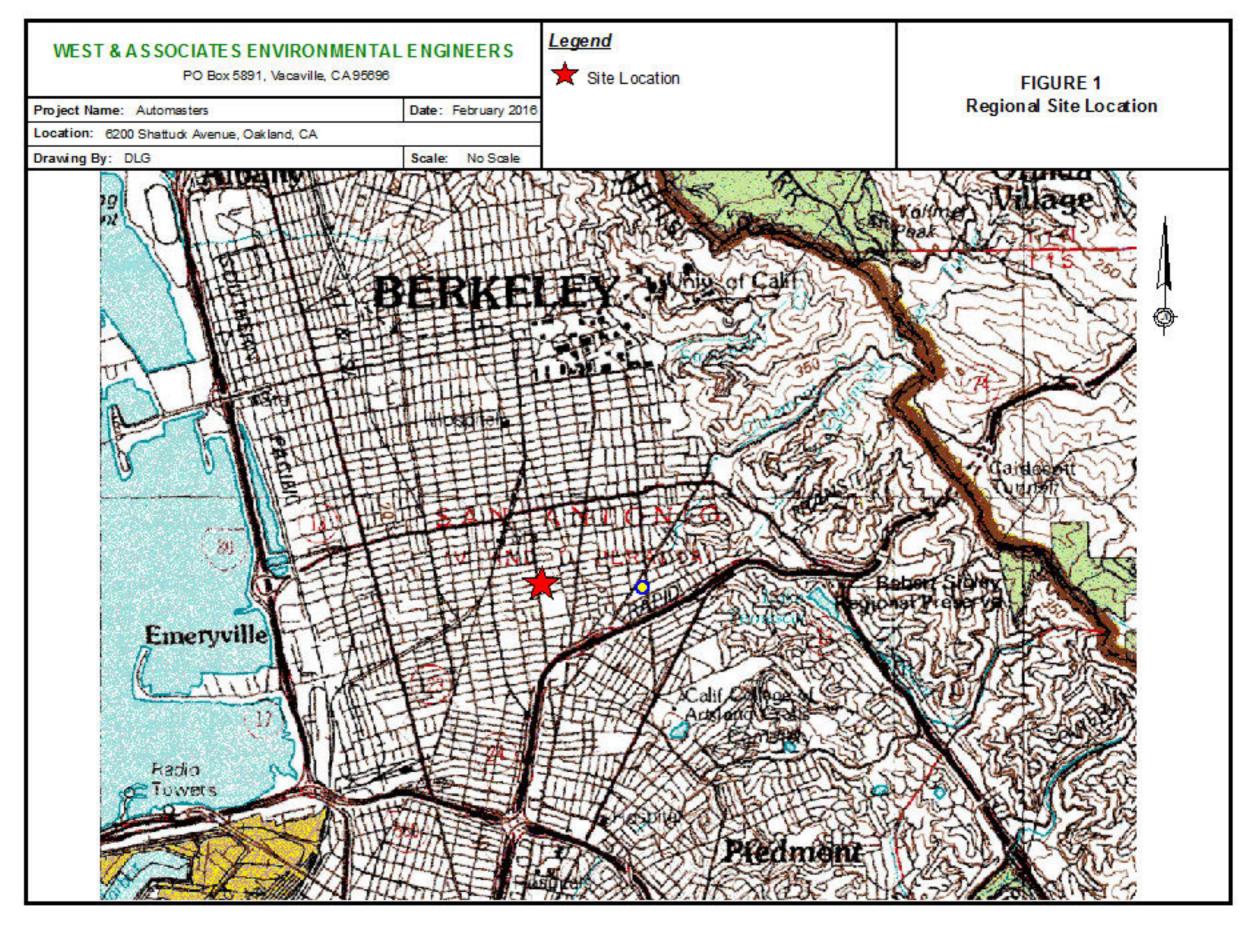
7.0 ELECTRONIC DATA SUBMITTAL COMPLIANCE

This Groundwater Monitoring Report has been uploaded to the ACEH web site per instructions included with the ACEH letter requesting it. Once approved by ACEH, it will be uploaded to the Automasters GeoTracker Domain, Global ID T0619748201. The upload certificate is presented in *Appendix E*. Selected future work products will be uploaded to the GeoTracker database in conformance with State requirements.

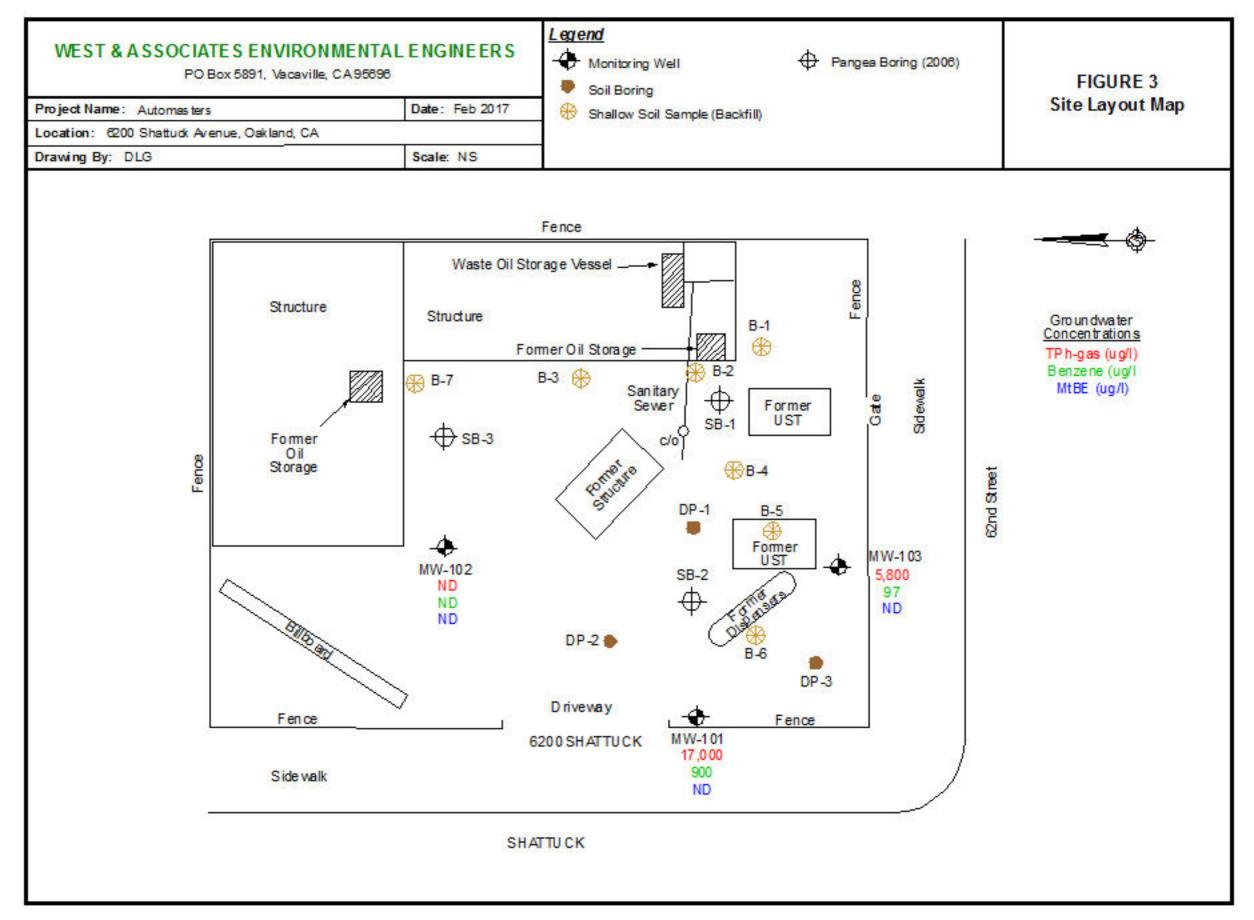
Monitoring data from the Automasters Leaking Underground Tank site can be accessed through the ACEH web site or through GeoTracker at http://www.geotracker.swrcb.ca.gov/.

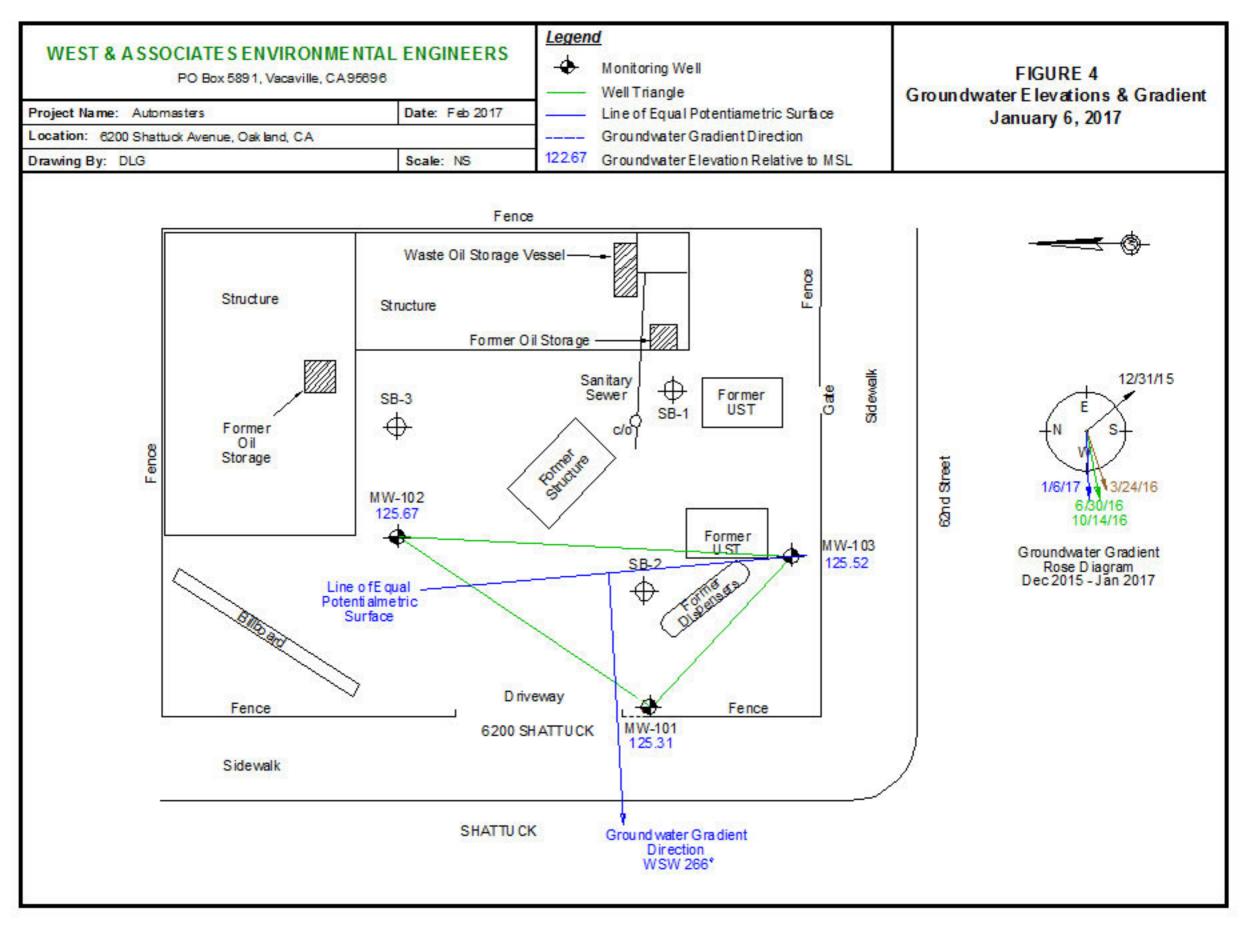
APPENDIX A

Figures









APPENDIX B

Purge Data Record Forms



GROUNDWATER SAMPLING PURGE DATA RECORD FORM

PROJECT: Automasters	
PROJECT LOCATION: 6200 Shattuck Avenue, Oakland	
Monitoring Well ID: MW-101	Sampler: BAJ
MONITORING WELL LOCATION:	
DATE: 1.6.17	TIME: 12:15 AM PM
DISSOLVED OXYGEN CONCENTRATION: N/A	
	Mg/L – BEFORE PURGE
N/A	Mg/L – After Purge
FREE PHASE PRODUCT: Y N INCHES	
	PETROLEUM SHEEN: Y N
ODOR/APPEARANCE: Mild petroleum odor/clear	PETROLEUM SHEEN: Y N

PURGE MEASUREMENTS

Тіме	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	Темр. °С	CONDUCTIVITY μS	рН	Turbidity
12:38	0	0	17.1	903	6.82	
12:47	3	3	18.0	934	6.72	
12:59	3	6	18.4	885	6.77	
13:26	3	9	18.6	840	6.83	

REMARKS: Sample collected at 13:31 (1:31 pm)

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GROUNDWATER SAMPLING PURGE DATA RECORD FORM

PROJECT: Automasters			
PROJECT LOCATION: 6200 Shattuck Avenue, Oakland			
MONITORING WELL ID: MW-102	SAMPLER: BAJ		
MONITORING WELL LOCATION:			
DATE: 1.6.17	_TIME: <u>1:45</u> AM PM		
DISSOLVED OXYGEN CONCENTRATION: N/A	0		
DISSOLVED OXYGEN CONCENTRATION: N/A	0		
	0		
N/A	Mg/L – After Purge		
N/A FREE PHASE PRODUCT: Y N INCHES ODOR/APPEARANCE: No odor/clear 20' 4.68 2" 4"	Mg/L – After Purge		

PURGE MEASUREMENTS

Тіме	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	Темр. °С	Conductivity μS	рН	Turbidity
13:48	0	0	17.3	695	6.84	
13:55	3	3	18.4	711	6.76	
14:05	3	6	18.7	694	6.74	
14:15	3	9	18.7	694	6.76	

REMARKS: Sample collected at 14:21 (2:21 pm)

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GROUNDWATER SAMPLING PURGE DATA RECORD FORM

er: BAJ
_
2:25 AM (PM)
Mg/L – BEFORE PURGE
Mg/L – AFTER PURGE
EUM SHEEN: Y N

PURGE MEASUREMENTS

Тіме	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	Темр. °С	CONDUCTIVITY μS	рН	Turbidity
14:29	0	0	16.5	706	6.97	
14:37	3	3	17.4	824	6.92	
14:47	3	6	18.2	833	6.93	
14:59	3	9	18.4	797	6.98	

REMARKS: Sample collected at 15:06 (3:06 pm)

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APPENDIX C

Analytical Lab Reports



McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1701287

Report Created for: West & Associates

630 Eubanks Ct, Unit #G Vacaville, CA 95688

- Project Contact: Bruce Jacobsen
- Project P.O.:

Project Name: Automaster

Project Received: 01/09/2017

Analytical Report reviewed & approved for release on 01/13/2017 by:

Angela Rydelius, Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.



1534 Willow Pass Rd. Pittsburg, CA 94565 TEL: (877) 252-9262 FAX: (925) 252-9269 www.mccampbell.com

CA ELAP 1644 ♦ NELAP 4033ORELAP

Glossary of Terms & Qualifier Definitions

Client:West & AssociatesProject:Automaster

Project:AutomasterWorkOrder:1701287

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 μm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Glossary of Terms & Qualifier Definitions

Client: West & Associates

Project: Automaster

WorkOrder: 1701287

Analytical Qualifiers

S	surrogate spike recovery outside accepted recovery limits
b1	aqueous sample that contains greater than ~1 vol. % sediment
c4	surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram.
d1	weakly modified or unmodified gasoline is significant
e4	gasoline range compounds are significant.



 Client:
 West & Associates

 Date Received:
 1/9/17 14:42

 Date Prepared:
 1/10/17-1/11/17

 Project:
 Automaster

WorkOrder:	1701287
Extraction Method:	SW5030B
Analytical Method:	SW8260B
Unit:	µg/L

Volatile Organics

Client ID	Lab ID	Lab ID Matrix		Collected	Batch ID	
MW-101	1701287-001B	Water	01/06/2	017 13:31	GC18	132428
Analytes	<u>Result</u>		<u>RL</u>	DF		Date Analyzed
Acetone	ND		500	50		01/11/2017 23:43
tert-Amyl methyl ether (TAME)	ND		25	50		01/11/2017 23:43
Benzene	900		25	50		01/11/2017 23:43
Bromobenzene	ND		25	50		01/11/2017 23:43
Bromochloromethane	ND		25	50		01/11/2017 23:43
Bromodichloromethane	ND		25	50		01/11/2017 23:43
Bromoform	ND		25	50		01/11/2017 23:43
Bromomethane	ND		25	50		01/11/2017 23:43
2-Butanone (MEK)	ND		100	50		01/11/2017 23:43
t-Butyl alcohol (TBA)	ND		100	50		01/11/2017 23:43
n-Butyl benzene	55		25	50		01/11/2017 23:43
sec-Butyl benzene	ND		25	50		01/11/2017 23:43
tert-Butyl benzene	ND		25	50		01/11/2017 23:43
Carbon Disulfide	ND		25	50		01/11/2017 23:43
Carbon Tetrachloride	ND		25	50		01/11/2017 23:43
Chlorobenzene	ND		25	50		01/11/2017 23:43
Chloroethane	ND		25	50		01/11/2017 23:43
Chloroform	ND		25	50		01/11/2017 23:43
Chloromethane	ND		25	50		01/11/2017 23:43
2-Chlorotoluene	ND		25	50		01/11/2017 23:43
4-Chlorotoluene	ND		25	50		01/11/2017 23:43
Dibromochloromethane	ND		25	50		01/11/2017 23:43
1,2-Dibromo-3-chloropropane	ND		10	50		01/11/2017 23:43
1,2-Dibromoethane (EDB)	ND		25	50		01/11/2017 23:43
Dibromomethane	ND		25	50		01/11/2017 23:43
1,2-Dichlorobenzene	ND		25	50		01/11/2017 23:43
1,3-Dichlorobenzene	ND		25	50		01/11/2017 23:43
1,4-Dichlorobenzene	ND		25	50		01/11/2017 23:43
Dichlorodifluoromethane	ND		25	50		01/11/2017 23:43
1,1-Dichloroethane	ND		25	50		01/11/2017 23:43
1,2-Dichloroethane (1,2-DCA)	ND		25	50		01/11/2017 23:43
1,1-Dichloroethene	ND		25	50		01/11/2017 23:43
cis-1,2-Dichloroethene	ND		25	50		01/11/2017 23:43
trans-1,2-Dichloroethene	ND		25	50		01/11/2017 23:43
1,2-Dichloropropane	ND		25	50		01/11/2017 23:43
1,3-Dichloropropane	ND		25	50		01/11/2017 23:43
2,2-Dichloropropane	ND		25	50		01/11/2017 23:43



Client:West & AssociatesDate Received:1/9/17 14:42Date Prepared:1/10/17-1/11/17Project:Automaster

WorkOrder:	1701287
Extraction Method:	SW5030B
Analytical Method:	SW8260B
Unit:	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date (Collected Instrument	Batch ID
MW-101	1701287-001B	Water	01/06/2	017 13:31 GC18	132428
Analytes	<u>Result</u>		<u>RL</u>	DF	Date Analyzed
1,1-Dichloropropene	ND		25	50	01/11/2017 23:43
cis-1,3-Dichloropropene	ND		25	50	01/11/2017 23:43
trans-1,3-Dichloropropene	ND		25	50	01/11/2017 23:43
Diisopropyl ether (DIPE)	ND		25	50	01/11/2017 23:43
Ethylbenzene	680		25	50	01/11/2017 23:43
Ethyl tert-butyl ether (ETBE)	ND		25	50	01/11/2017 23:43
Freon 113	ND		25	50	01/11/2017 23:43
Hexachlorobutadiene	ND		25	50	01/11/2017 23:43
Hexachloroethane	ND		25	50	01/11/2017 23:43
2-Hexanone	ND		25	50	01/11/2017 23:43
Isopropylbenzene	64		25	50	01/11/2017 23:43
4-Isopropyl toluene	ND		25	50	01/11/2017 23:43
Methyl-t-butyl ether (MTBE)	ND		25	50	01/11/2017 23:43
Methylene chloride	ND		120	50	01/11/2017 23:43
4-Methyl-2-pentanone (MIBK)	ND		25	50	01/11/2017 23:43
Naphthalene	190		25	50	01/11/2017 23:43
n-Propyl benzene	150		25	50	01/11/2017 23:43
Styrene	ND		25	50	01/11/2017 23:43
1,1,1,2-Tetrachloroethane	ND		25	50	01/11/2017 23:43
1,1,2,2-Tetrachloroethane	ND		25	50	01/11/2017 23:43
Tetrachloroethene	ND		25	50	01/11/2017 23:43
Toluene	35		25	50	01/11/2017 23:43
1,2,3-Trichlorobenzene	ND		25	50	01/11/2017 23:43
1,2,4-Trichlorobenzene	ND		25	50	01/11/2017 23:43
1,1,1-Trichloroethane	ND		25	50	01/11/2017 23:43
1,1,2-Trichloroethane	ND		25	50	01/11/2017 23:43
Trichloroethene	ND		25	50	01/11/2017 23:43
Trichlorofluoromethane	ND		25	50	01/11/2017 23:43
1,2,3-Trichloropropane	ND		25	50	01/11/2017 23:43
1,2,4-Trimethylbenzene	850		25	50	01/11/2017 23:43
1,3,5-Trimethylbenzene	160		25	50	01/11/2017 23:43
Vinyl Chloride	ND		25	50	01/11/2017 23:43
Xylenes, Total	1100		25	50	01/11/2017 23:43



 Client:
 West & Associates

 Date Received:
 1/9/17 14:42

 Date Prepared:
 1/10/17-1/11/17

 Project:
 Automaster

WorkOrder:	1701287
Extraction Method:	SW5030B
Analytical Method:	SW8260B
Unit:	µg/L

Client ID	Lab ID	Matrix	Date Collected Instrument	Batch ID
MW-101	1701287-001B	Water	01/06/2017 13:31 GC18	132428
Analytes	<u>Result</u>		<u>RL</u> <u>DF</u>	Date Analyzed
Surrogates	<u>REC (%)</u>		Limits	
Dibromofluoromethane	106		70-130	01/11/2017 23:43
Toluene-d8	96		70-130	01/11/2017 23:43
4-BFB	99		70-130	01/11/2017 23:43
<u>Analyst(s):</u> HK			Analytical Comments: b1	



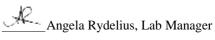


Client:West & AssociatesDate Received:1/9/17 14:42Date Prepared:1/10/17-1/11/17Project:Automaster

WorkOrder:	1701287
Extraction Method:	SW5030B
Analytical Method:	SW8260B
Unit:	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date C	ollected Instrument	Batch ID
MW-102	1701287-002B	Water	01/06/20	017 14:21 GC18	132428
Analytes	<u>Result</u>		<u>RL</u>	DF	Date Analyzed
Acetone	ND		10	1	01/10/2017 14:29
tert-Amyl methyl ether (TAME)	ND		0.50	1	01/10/2017 14:29
Benzene	ND		0.50	1	01/10/2017 14:29
Bromobenzene	ND		0.50	1	01/10/2017 14:29
Bromochloromethane	ND		0.50	1	01/10/2017 14:29
Bromodichloromethane	ND		0.50	1	01/10/2017 14:29
Bromoform	ND		0.50	1	01/10/2017 14:29
Bromomethane	ND		0.50	1	01/10/2017 14:29
2-Butanone (MEK)	ND		2.0	1	01/10/2017 14:29
t-Butyl alcohol (TBA)	ND		2.0	1	01/10/2017 14:29
n-Butyl benzene	ND		0.50	1	01/10/2017 14:29
sec-Butyl benzene	ND		0.50	1	01/10/2017 14:29
tert-Butyl benzene	ND		0.50	1	01/10/2017 14:29
Carbon Disulfide	ND		0.50	1	01/10/2017 14:29
Carbon Tetrachloride	ND		0.50	1	01/10/2017 14:29
Chlorobenzene	ND		0.50	1	01/10/2017 14:29
Chloroethane	ND		0.50	1	01/10/2017 14:29
Chloroform	ND		0.50	1	01/10/2017 14:29
Chloromethane	ND		0.50	1	01/10/2017 14:29
2-Chlorotoluene	ND		0.50	1	01/10/2017 14:29
4-Chlorotoluene	ND		0.50	1	01/10/2017 14:29
Dibromochloromethane	ND		0.50	1	01/10/2017 14:29
1,2-Dibromo-3-chloropropane	ND		0.20	1	01/10/2017 14:29
1,2-Dibromoethane (EDB)	ND		0.50	1	01/10/2017 14:29
Dibromomethane	ND		0.50	1	01/10/2017 14:29
1,2-Dichlorobenzene	ND		0.50	1	01/10/2017 14:29
1,3-Dichlorobenzene	ND		0.50	1	01/10/2017 14:29
1,4-Dichlorobenzene	ND		0.50	1	01/10/2017 14:29
Dichlorodifluoromethane	ND		0.50	1	01/10/2017 14:29
1,1-Dichloroethane	ND		0.50	1	01/10/2017 14:29
1,2-Dichloroethane (1,2-DCA)	ND		0.50	1	01/10/2017 14:29
1,1-Dichloroethene	ND		0.50	1	01/10/2017 14:29
cis-1,2-Dichloroethene	ND		0.50	1	01/10/2017 14:29
trans-1,2-Dichloroethene	ND		0.50	1	01/10/2017 14:29
1,2-Dichloropropane	ND		0.50	1	01/10/2017 14:29
1,3-Dichloropropane	ND		0.50	1	01/10/2017 14:29
2,2-Dichloropropane	ND		0.50	1	01/10/2017 14:29





Client:West & AssociatesDate Received:1/9/17 14:42Date Prepared:1/10/17-1/11/17Project:Automaster

WorkOrder:	1701287
Extraction Method:	SW5030B
Analytical Method:	SW8260B
Unit:	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date C	ollected Instrument	Batch ID
MW-102	1701287-002B	Water	01/06/20	017 14:21 GC18	132428
Analytes	Result		<u>RL</u>	DF	Date Analyzed
1,1-Dichloropropene	ND		0.50	1	01/10/2017 14:29
cis-1,3-Dichloropropene	ND		0.50	1	01/10/2017 14:29
trans-1,3-Dichloropropene	ND		0.50	1	01/10/2017 14:29
Diisopropyl ether (DIPE)	ND		0.50	1	01/10/2017 14:29
Ethylbenzene	ND		0.50	1	01/10/2017 14:29
Ethyl tert-butyl ether (ETBE)	ND		0.50	1	01/10/2017 14:29
Freon 113	ND		0.50	1	01/10/2017 14:29
Hexachlorobutadiene	ND		0.50	1	01/10/2017 14:29
Hexachloroethane	ND		0.50	1	01/10/2017 14:29
2-Hexanone	ND		0.50	1	01/10/2017 14:29
Isopropylbenzene	ND		0.50	1	01/10/2017 14:29
4-Isopropyl toluene	ND		0.50	1	01/10/2017 14:29
Methyl-t-butyl ether (MTBE)	ND		0.50	1	01/10/2017 14:29
Methylene chloride	ND		0.50	1	01/10/2017 14:29
4-Methyl-2-pentanone (MIBK)	ND		0.50	1	01/10/2017 14:29
Naphthalene	ND		0.50	1	01/10/2017 14:29
n-Propyl benzene	ND		0.50	1	01/10/2017 14:29
Styrene	ND		0.50	1	01/10/2017 14:29
1,1,1,2-Tetrachloroethane	ND		0.50	1	01/10/2017 14:29
1,1,2,2-Tetrachloroethane	ND		0.50	1	01/10/2017 14:29
Tetrachloroethene	ND		0.50	1	01/10/2017 14:29
Toluene	ND		0.50	1	01/10/2017 14:29
1,2,3-Trichlorobenzene	ND		0.50	1	01/10/2017 14:29
1,2,4-Trichlorobenzene	ND		0.50	1	01/10/2017 14:29
1,1,1-Trichloroethane	ND		0.50	1	01/10/2017 14:29
1,1,2-Trichloroethane	ND		0.50	1	01/10/2017 14:29
Trichloroethene	ND		0.50	1	01/10/2017 14:29
Trichlorofluoromethane	ND		0.50	1	01/10/2017 14:29
1,2,3-Trichloropropane	ND		0.50	1	01/10/2017 14:29
1,2,4-Trimethylbenzene	ND		0.50	1	01/10/2017 14:29
1,3,5-Trimethylbenzene	ND		0.50	1	01/10/2017 14:29
Vinyl Chloride	ND		0.50	1	01/10/2017 14:29
Xylenes, Total	ND		0.50	1	01/10/2017 14:29



 Client:
 West & Associates

 Date Received:
 1/9/17 14:42

 Date Prepared:
 1/10/17-1/11/17

 Project:
 Automaster

WorkOrder:	1701287
Extraction Method:	SW5030B
Analytical Method:	SW8260B
Unit:	µg/L

Client ID	Lab ID	Matrix	Date Collected Instrument		Batch ID
MW-102	1701287-002B	Water	01/06/2	017 14:21 GC18	132428
Analytes	<u>Result</u>		<u>RL</u>	DF	Date Analyzed
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Dibromofluoromethane	103		70-130		01/10/2017 14:29
Toluene-d8	97		70-130		01/10/2017 14:29
4-BFB	102		70-130		01/10/2017 14:29





Client:West & AssociatesDate Received:1/9/17 14:42Date Prepared:1/10/17-1/11/17Project:Automaster

WorkOrder:	1701287
Extraction Method:	SW5030B
Analytical Method:	SW8260B
Unit:	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date C	Collected Instrument	Batch ID
MW-103	1701287-003B	Water	01/06/2	017 15:06 GC18	132428
Analytes	Result		<u>RL</u>	<u>DF</u>	Date Analyzed
Acetone	ND		100	10	01/10/2017 15:07
tert-Amyl methyl ether (TAME)	ND		5.0	10	01/10/2017 15:07
Benzene	97		5.0	10	01/10/2017 15:07
Bromobenzene	ND		5.0	10	01/10/2017 15:07
Bromochloromethane	ND		5.0	10	01/10/2017 15:07
Bromodichloromethane	ND		5.0	10	01/10/2017 15:07
Bromoform	ND		5.0	10	01/10/2017 15:07
Bromomethane	ND		5.0	10	01/10/2017 15:07
2-Butanone (MEK)	ND		20	10	01/10/2017 15:07
t-Butyl alcohol (TBA)	ND		20	10	01/10/2017 15:07
n-Butyl benzene	22		5.0	10	01/10/2017 15:07
sec-Butyl benzene	7.7		5.0	10	01/10/2017 15:07
tert-Butyl benzene	ND		5.0	10	01/10/2017 15:07
Carbon Disulfide	ND		5.0	10	01/10/2017 15:07
Carbon Tetrachloride	ND		5.0	10	01/10/2017 15:07
Chlorobenzene	ND		5.0	10	01/10/2017 15:07
Chloroethane	ND		5.0	10	01/10/2017 15:07
Chloroform	ND		5.0	10	01/10/2017 15:07
Chloromethane	ND		5.0	10	01/10/2017 15:07
2-Chlorotoluene	ND		5.0	10	01/10/2017 15:07
4-Chlorotoluene	ND		5.0	10	01/10/2017 15:07
Dibromochloromethane	ND		5.0	10	01/10/2017 15:07
1,2-Dibromo-3-chloropropane	ND		2.0	10	01/10/2017 15:07
1,2-Dibromoethane (EDB)	ND		5.0	10	01/10/2017 15:07
Dibromomethane	ND		5.0	10	01/10/2017 15:07
1,2-Dichlorobenzene	ND		5.0	10	01/10/2017 15:07
1,3-Dichlorobenzene	ND		5.0	10	01/10/2017 15:07
1,4-Dichlorobenzene	ND		5.0	10	01/10/2017 15:07
Dichlorodifluoromethane	ND		5.0	10	01/10/2017 15:07
1,1-Dichloroethane	ND		5.0	10	01/10/2017 15:07
1,2-Dichloroethane (1,2-DCA)	ND		5.0	10	01/10/2017 15:07
1,1-Dichloroethene	ND		5.0	10	01/10/2017 15:07
cis-1,2-Dichloroethene	ND		5.0	10	01/10/2017 15:07
trans-1,2-Dichloroethene	ND		5.0	10	01/10/2017 15:07
1,2-Dichloropropane	ND		5.0	10	01/10/2017 15:07
1,3-Dichloropropane	ND		5.0	10	01/10/2017 15:07
2,2-Dichloropropane	ND		5.0	10	01/10/2017 15:07



Client:West & AssociatesDate Received:1/9/17 14:42Date Prepared:1/10/17-1/11/17Project:Automaster

WorkOrder:	1701287
Extraction Method:	SW5030B
Analytical Method:	SW8260B
Unit:	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date C	Collected Instrument	Batch ID
MW-103	1701287-003B	Water	01/06/2	017 15:06 GC18	132428
Analytes	<u>Result</u>		<u>RL</u>	DF	Date Analyzed
1,1-Dichloropropene	ND		5.0	10	01/10/2017 15:07
cis-1,3-Dichloropropene	ND		5.0	10	01/10/2017 15:07
trans-1,3-Dichloropropene	ND		5.0	10	01/10/2017 15:07
Diisopropyl ether (DIPE)	ND		5.0	10	01/10/2017 15:07
Ethylbenzene	220		5.0	10	01/10/2017 15:07
Ethyl tert-butyl ether (ETBE)	ND		5.0	10	01/10/2017 15:07
Freon 113	ND		5.0	10	01/10/2017 15:07
Hexachlorobutadiene	ND		5.0	10	01/10/2017 15:07
Hexachloroethane	ND		5.0	10	01/10/2017 15:07
2-Hexanone	ND		5.0	10	01/10/2017 15:07
Isopropylbenzene	25		5.0	10	01/10/2017 15:07
4-Isopropyl toluene	ND		5.0	10	01/10/2017 15:07
Methyl-t-butyl ether (MTBE)	ND		5.0	10	01/10/2017 15:07
Methylene chloride	ND		5.0	10	01/10/2017 15:07
4-Methyl-2-pentanone (MIBK)	ND		5.0	10	01/10/2017 15:07
Naphthalene	47		5.0	10	01/10/2017 15:07
n-Propyl benzene	64		5.0	10	01/10/2017 15:07
Styrene	ND		5.0	10	01/10/2017 15:07
1,1,1,2-Tetrachloroethane	ND		5.0	10	01/10/2017 15:07
1,1,2,2-Tetrachloroethane	ND		5.0	10	01/10/2017 15:07
Tetrachloroethene	ND		5.0	10	01/10/2017 15:07
Toluene	10		5.0	10	01/10/2017 15:07
1,2,3-Trichlorobenzene	ND		5.0	10	01/10/2017 15:07
1,2,4-Trichlorobenzene	ND		5.0	10	01/10/2017 15:07
1,1,1-Trichloroethane	ND		5.0	10	01/10/2017 15:07
1,1,2-Trichloroethane	ND		5.0	10	01/10/2017 15:07
Trichloroethene	ND		5.0	10	01/10/2017 15:07
Trichlorofluoromethane	ND		5.0	10	01/10/2017 15:07
1,2,3-Trichloropropane	ND		5.0	10	01/10/2017 15:07
1,2,4-Trimethylbenzene	260		5.0	10	01/10/2017 15:07
1,3,5-Trimethylbenzene	35		5.0	10	01/10/2017 15:07
Vinyl Chloride	ND		5.0	10	01/10/2017 15:07
Xylenes, Total	310		5.0	10	01/10/2017 15:07



Client ID

MW-103

Analytes

Surrogates

Toluene-d8

4-BFB

Analyst(s):

Dibromofluoromethane

JEM

103

98

100

Analytical Report

 Client:
 West & Associates

 Date Received:
 1/9/17 14:42

 Date Prepared:
 1/10/17-1/11/17

 Project:
 Automaster

WorkOrder:	1701287
Extraction Method:	SW5030B
Analytical Method:	SW8260B
Unit:	µg/L

Volatile Organics						
Lab ID	Matrix	Date Collected	Instrument			
1701287-003B	Water	01/06/2017 15:06	GC18			
<u>Result</u>		<u>RL DF</u>				
<u>REC (%)</u>		<u>Limits</u>				

70-130

70-130

70-130

Analytical Comments: b1

Batch ID

132428

Date Analyzed

01/10/2017 15:07

01/10/2017 15:07

01/10/2017 15:07



 Client:
 West & Associates

 Date Received:
 1/9/17 14:42

 Date Prepared:
 1/12/17-1/13/17

 Project:
 Automaster

WorkOrder: 1701287 Extraction Method: SW5030B Analytical Method: SW8021B/8015Bm Unit: μg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Co	llected Instrument	Batch ID
MW-101	1701287-001A	Water	01/06/201	7 13:31 GC12	132528
Analytes	<u>Result</u>		<u>RL</u>	DF	Date Analyzed
TPH(g) (C6-C12)	17,000		1000	20	01/13/2017 10:38
MTBE			100	20	01/13/2017 10:38
Benzene			10	20	01/13/2017 10:38
Toluene			10	20	01/13/2017 10:38
Ethylbenzene			10	20	01/13/2017 10:38
Xylenes			30	20	01/13/2017 10:38
Surrogates	<u>REC (%)</u>		<u>Limits</u>		
aaa-TFT	113		89-115		01/13/2017 10:38
Analyst(s): IA			Analytical Comm	<u>nents:</u> d1,b1	
Client ID	Lab ID	Matrix	Date Co	llected Instrument	Batch ID
MW-102	1701287-002A	Water	01/06/201	17 14:21 GC7	132528
Analytes	Result		<u>RL</u>	DF	Date Analyzed
TPH(g) (C6-C12)	ND		50	1	01/12/2017 09:04
MTBE			5.0	1	01/12/2017 09:04
Benzene			0.50	1	01/12/2017 09:04
Toluene			0.50	1	01/12/2017 09:04
Ethylbenzene			0.50	1	01/12/2017 09:04
Xylenes			1.5	1	01/12/2017 09:04
Surrogates	<u>REC (%)</u>		<u>Limits</u>		
aaa-TFT	99		89-115		01/12/2017 09:04



 Client:
 West & Associates

 Date Received:
 1/9/17 14:42

 Date Prepared:
 1/12/17-1/13/17

 Project:
 Automaster

WorkOrder: 1701287 Extraction Method: SW5030B Analytical Method: SW8021B/8015Bm Unit: µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date C	Collected Instrument	Batch ID
MW-103	1701287-003A	Water	01/06/20	017 15:06 GC12	132528
Analytes	Result		<u>RL</u>	DF	Date Analyzed
TPH(g) (C6-C12)	5800		500	10	01/13/2017 11:10
MTBE			50	10	01/13/2017 11:10
Benzene			5.0	10	01/13/2017 11:10
Toluene			5.0	10	01/13/2017 11:10
Ethylbenzene			5.0	10	01/13/2017 11:10
Xylenes			15	10	01/13/2017 11:10
<u>Surrogates</u>	<u>REC (%)</u>	<u>Qualifiers</u>	<u>Limits</u>		
aaa-TFT	125	S	89-115		01/13/2017 11:10
<u>Analyst(s):</u> IA			Analytical Com	nments: d1,c4,b1	



Client:West & AssociatesDate Received:1/9/17 14:42Date Prepared:1/9/17Project:Automaster

WorkOrder:	1701287
Extraction Method:	SW3510C
Analytical Method:	SW8015B
Unit:	µg/L

Total Extractable Petroleum	Hydrocarbons	w/out SG	Clean-Up	

Client ID	Lab ID	Matrix	Date Collected Instrument	Batch ID
MW-101	1701287-001A	Water	01/06/2017 13:31 GC11A	132325
Analytes	Result		<u>RL</u> <u>DF</u>	Date Analyzed
TPH-Diesel (C10-C23)	6200		50 1	01/11/2017 18:13
TPH-Motor Oil (C18-C36)	ND		250 1	01/11/2017 18:13
Surrogates	<u>REC (%)</u>		<u>Limits</u>	
C26	102		72-119	01/11/2017 18:13
<u>Analyst(s):</u> TK			Analytical Comments: e4,b1	
Client ID	Lab ID	Matrix	Date Collected Instrument	Batch ID
MW-102	1701287-002A	Water	01/06/2017 14:21 GC11B	132325
Analytes	<u>Result</u>		<u>RL</u> <u>DF</u>	Date Analyzed
TPH-Diesel (C10-C23)	ND		50 1	01/10/2017 21:24
TPH-Motor Oil (C18-C36)	ND		250 1	01/10/2017 21:24
Surrogates	<u>REC (%)</u>		<u>Limits</u>	
C9	102		72-117	01/10/2017 21:24
<u>Analyst(s):</u> TK			Analytical Comments: b1	
Client ID	Lab ID	Matrix	Date Collected Instrument	Batch ID
MW-103	1701287-003A	Water	01/06/2017 15:06 GC11B	132325
Analytes	Result		<u>RL</u> <u>DF</u>	Date Analyzed
TPH-Diesel (C10-C23)	1100		50 1	01/11/2017 00:01
TPH-Motor Oil (C18-C36)	ND		250 1	01/11/2017 00:01
Surrogates	<u>REC (%)</u>		Limits	
C9	107		72-117	01/11/2017 00:01
<u>Analyst(s):</u> TK			Analytical Comments: e4,b1	

Automaster

Project:

Quality Control Report

WorkOrder:	1701287
BatchID:	132428
Extraction Method:	SW5030B
Analytical Method:	SW8260B
Unit:	μg/L
Sample ID:	MB/LCS-132428
	1701287-002BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	9.50	0.50	10	-	95	54-140
Benzene	ND	10.9	0.50	10	-	109	47-158
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	34.1	2.0	40	-	85	42-140
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	9.85	0.50	10	-	98	43-157
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	10.0	0.50	10	-	100	44-155
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	10.4	0.50	10	-	104	66-125
1,1-Dichloroethene	ND	10.2	0.50	10	-	102	47-149
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-

_____QA/QC Officer

Client:West & AssociatesDate Prepared:1/10/17Date Analyzed:1/10/17Instrument:GC18Matrix:WaterProject:Automaster

Quality Control Report

WorkOrder:	1701287
BatchID:	132428
Extraction Method:	SW5030B
Analytical Method:	SW8260B
Unit:	μg/L
Sample ID:	MB/LCS-132428
	1701287-002BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	10.8	0.50	10	-	108	57-136
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	10.3	0.50	10	-	103	55-137
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	10.2	0.50	10	-	102	53-139
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	9.98	0.50	10	-	100	52-137
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	9.59	0.50	10	-	96	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Xylenes, Total	ND	-	0.50	-	-	-	-

_____QA/QC Officer Page 17 of 24

Client:	West & Associates
Date Prepared:	1/10/17
Date Analyzed:	1/10/17
Instrument:	GC18
Matrix:	Water
Project:	Automaster

Quality Control Report

WorkOrder:	1701287
BatchID:	132428
Extraction Method:	SW5030B
Analytical Method:	SW8260B
Unit:	μg/L
Sample ID:	MB/LCS-132428
	1701287-002BMS/MSD

QC Summary Report for SW8260B RL SPK Analyte MB LCS MB SS LCS LCS %REC Result Result Val %REC Limits Surrogate Recovery Dibromofluoromethane 26.0 26.0 25 104 104 70-130 70-130 Toluene-d8 24.2 24.7 25 97 99 4-BFB 2.44 2.38 2.5 98 95 70-130 MS MSD SPK SPKRef MSD MS/MSD RPD RPD Analyte MS Result Result Val Val %REC %REC Limits Limit ND 20 tert-Amyl methyl ether (TAME) 9.42 8.77 10 94 88 69-139 7.19 9.72 ND 97 69-141 1.33 20 Benzene 9.59 10 96 41-152 20 t-Butyl alcohol (TBA) 33.8 32.9 40 ND 84 82 2.43 Chlorobenzene 9.03 8.89 10 ND 90 89 77-120 1.54 20 76-135 20 1,2-Dibromoethane (EDB) 9.44 9.31 10 ND 94 93 1.37 1,2-Dichloroethane (1,2-DCA) 9.54 9.27 10 ND 95 93 73-139 2.91 20 1,1-Dichloroethene 9.13 9.13 10 ND 91 91 59-140 0 20 Diisopropyl ether (DIPE) ND 95 72-140 20 9.54 9.25 10 93 3.04 Ethyl tert-butyl ether (ETBE) 9.43 9.16 10 ND 94 92 71-140 2.91 20 Methyl-t-butyl ether (MTBE) 9.59 20 9.42 10 ND 96 94 73-139 1.78 Toluene 8.79 8.70 10 ND 88 87 71-128 0.997 20 Trichloroethene 8.76 8.68 10 ND 88 87 64-132 0.915 20 Surrogate Recovery Dibromofluoromethane 25.8 25.8 25 103 103 73-131 0 20 Toluene-d8 23.9 24.1 25 96 96 72-117 0 20 4-BFB 2.5 105 74-116 2.68 2.62 107 2.44 20

A-__QA/QC Officer Page 18 of 24

Client:	West & Associates
Date Prepared:	1/12/17
Date Analyzed:	1/12/17
Instrument:	GC3
Matrix:	Water
Project:	Automaster

WorkOrder:	1701287
BatchID:	132528
Extraction Method:	SW5030B
Analytical Method:	SW8021B/8015Bm
Unit:	µg/L
Sample ID:	MB/LCS-132528
	1701287-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result		RL	SPK Val		B SS REC	LCS %RE		LCS Limits
TPH(btex)	ND	64.8		40	60	-		108		85-112
МТВЕ	ND	8.89		5.0	10	-		89		74-127
Benzene	ND	9.06		0.50	10	-		91		81-124
Toluene	ND	9.76		0.50	10	-		98		79-131
Ethylbenzene	ND	10.4		0.50	10	-		104		86-127
Xylenes	ND	33.4		1.5	30	-		111		87-133
Surrogate Recovery										
aaa-TFT	11.4	9.22			10	11	4	92		87-117
Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/N Limi		RPD	
	-		-		-	-			RPD NR	
TPH(btex)	Result	Result	-	Val	%REC	%REC	Limi			
Analyte TPH(btex) MTBE Benzene	Result NR	Result NR	-	Val 3100	%REC	%REC	Limi		NR	
TPH(btex) MTBE Benzene	Result NR NR	Result NR NR	-	Val 3100 ND<100	%REC NR NR	%REC NR NR	Limi - -		NR NR	
TPH(btex) MTBE	Result NR NR NR	Result NR NR NR	-	Val 3100 ND<100	%REC NR NR NR	%REC NR NR NR	Limi - -		NR NR NR	RPI Limi
TPH(btex) MTBE Benzene Toluene	Result NR NR NR NR NR	Result NR NR NR NR NR	-	Val 3100 ND<100	%REC NR NR NR NR	%REC NR NR NR NR	- - - -		NR NR NR NR	
TPH(btex) MTBE Benzene Toluene Ethylbenzene	Result NR NR NR NR NR NR NR NR	Result NR NR NR NR NR NR	-	Val 3100 ND<100	%REC NR NR NR NR NR	%REC NR NR NR NR NR	Limi - - - -		NR NR NR NR NR	



West & Associates Date Prepared: 1/9/17 Date Analyzed: 1/9/17 - 1/10/17

Instrument: GC9b Matrix: Water **Project:** Automaster

Client:

Quality Control Report

WorkOrder:	1701287
BatchID:	132325
Extraction Method:	SW3510C
Analytical Method:	SW8015B
Unit:	μg/L
Sample ID:	MB/LCS/LCSD-132325

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result			RL	SPK Val		B SS REC		MB SS Limits
TPH-Diesel (C10-C23)	ND			50	-	-		-	
TPH-Motor Oil (C18-C36)	ND			250	-	-		-	
Surrogate Recovery									
C9	627				625	10	00	7	74-107
Analyte	LCS Result	LCSD Result	SPK Val		LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Analyte TPH-Diesel (C10-C23)			-					RPD 11.9	
-	Result	Result	Val		%REC	%REC	Limits		Limit

_____QA/QC Officer Page 20 of 24

McCampbell Analytical,	Inc.			CHAI	N-OF-CU	ISTOD	Y RE	CORD		Page	1 of	1
Pittsburg, CA 94565-1701 (925) 252-9262				WorkOrd	ler: 1701287	Clie	ntCode:	WAA				
	WaterTrax	WriteOn	✓ EDF	Excel	EQuIS	Emai		HardCopy	ThirdP	arty	_J-fla	g
Report to:	Emoile bia	a a h a a a @ a a tu			Bill to:			Req	uested TAT	:	5 days;	
Bruce Jacobsen West & Associates 630 Eubanks Ct, Unit #G	Email: bja cc/3rd Party: PO:	acobsen@asto	ound.net; dganze	er@westen	Accounts Pay West & Assoc 630 Eubanks	ciates		Dat	e Received	<i>l:</i>	01/09/2	017
Vacaville, CA 95688 (707) 451-1360 FAX: (707) 447-0631	ProjectNo: Au	Itomaster			Vacaville, CA	,		Dat	e Logged:		01/09/2	017
						Reques	ted Tests	(See legend	below)			
Lab ID Client ID		Matrix	Collection Date	Hold 1	2 3	4 5	6	7 8	39	10	11	12

1701287-001	MW-101	Water	1/6/2017 13:31	В	А	A A			
1701287-002	MW-102	Water	1/6/2017 14:21	В	А	A			
1701287-003	MW-103	Water	1/6/2017 15:06	В	А	A			

Test Legend:

1	8260B_W
5	
9	

2	G-MBTEX_W	3
6		7
10		11

3	PREDF REPORT
7	
11	

4	TPH(DMO)_W
8	
12	

Prepared by: Alexandra Iniguez

The following SampIDs: 001A, 002A, 003A contain testgroup Multi Range_W.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



"When Quality Counts"

WORK ORDER SUMMARY

Client Name	e: WEST & A	ASSOCIATES		Project:	Automast	er			Wor	k Order:	1701287
Client Conta	act: Bruce Jaco	bsen							Q	C Level:	LEVEL 2
Contact's Er	mail: bjacobsen@	@astound.net; dganze	er@westengineers.com	Comments	s:				Date	Logged:	1/9/2017
		□WaterTrax	WriteOnEDF	Exce	el 🗌	Fax 🖌 Email	HardCo	opy ThirdParty	/	l-flag	
Lab ID	Client ID	Matrix	Test Name	-	Containers Composites	Bottle & Preservative	De- chlorinated	Collection Date & Time	TAT	Sediment Content	Hold SubOut
1701287-001A	MW-101	Water	Multi-Range TPH(g,d,mo) by 8015Bm	y EPA	4 2	2 VOAs w/HCL + 2-aVOAs (multi-range)		1/6/2017 13:31	5 days	1%+	
1701287-001B	MW-101	Water	SW8260B (VOCs)		2	VOA w/ HCl		1/6/2017 13:31	5 days	1%+	
1701287-002A	MW-102	Water	Multi-Range TPH(g,d,mo) by 8015Bm	y EPA	4 2	2 VOAs w/HCL + 2-aVOAs (multi-range)		1/6/2017 14:21	5 days	1%+	
1701287-002B	MW-102	Water	SW8260B (VOCs)		2	VOA w/ HCl		1/6/2017 14:21	5 days	1%+	
1701287-003A	MW-103	Water	Multi-Range TPH(g,d,mo) b 8015Bm	y EPA	4 2	2 VOAs w/HCL + 2-aVOAs (multi-range)		1/6/2017 15:06	5 days	1%+	
1701287-003B	MW-103	Water	SW8260B (VOCs)		2	VOA w/ HCl		1/6/2017 15:06	5 days	1%+	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

F										1		10	31	12	29	3-	7			T'()6	19	7	48	35	οι							
We Te	McCAMPBELL ANALYTICAL, INC. 1534 WILLOW PASS ROAD PITTSBURG, CA 94565-1701 Website: www.mccampbell.com Telephone: (877) 252-9262 Fax: (925) 252-9269								UR Geo I			OU	NE) T		E PD	F	RUS	H E	ך 24 دce l) 1	48 F Wri] HR ite (72 Dn (]	L HR DW	5 DAY 7) 🖵 required						
Report To: Bru	ice Jac	obse	n I	Bill To	o: Wa	&A													A	nal	ysis	Rea	lues	t						C	ther		Comments
Company: West			ers												TPH-MO	G					sus											Т	
630 Eubanks Ct	, #G, Vacavi	lle, CA							stou					ITBI	÷	/B&I					Igene												Filter Samples
				E-Mai						gine	ers	6.CO	m	W/(P	20 E					Con						(0;	()					for Metals
Tele: (707)45	1-1360			Fax:										8015	*	1 55	(T	Cs)	(17)		ors /		(sa			()	/ 602	602					analysis:
Project #:	(> 00	CI 11	F	rojec	et Nai	me:	Au	101	Ma	516	sus			+	0	1664	(418	NOC	2/80	(sa)	Irocl		icide			NAs	5010	010					Yes / No
Project Location:	6200	shatt	NCK	Ave	-,	00	2 1<	-10	ind	Ļ.(A		_	/ 802	5	ase (suoc	11 (H	A 60.	sticid	N; I	des)	Hert	Cs)	DCs)	Is/I	8/6	8/6	6020				
Sampler Signatu	re: Bru			Me	-	Í.							_	602	A	Gre	carl	/ 802	(EP)	1 Pes	INO	stici	CI	N0	(SVC	PAI	/ 200	200	10/0				
		SAM	PLING		ers		MA	TRI	Х		MET			Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015) + TPH-9 + TPH-M	il &	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)				
	LOCATION/		1	Containers	Containers			Τ		1				33	(80)	E O	Im H	3/10	NO X	/ 808	2 PC	41 (N	51 (A	24/8	25/8	M / 8	ls (2	ls (20	200.8				
SAMPLE ID	Field Point			tain	ont									BTEX & TPH	liese	rolet	roleı	2/6	BTE	608	/ 808	/ 81	/ 81:	2/6	2/6	O SI	Meta	Aeta	11.				
	Name	Date	Time	on	e C	ter	_		ler		T	03	ler	X&	as I	l Pet	l Pet	502.	E /]	505/	608	507	515	524.	525.	827	[11]	I S N	(200			~	
				#	Type	Water	Soil	Air	Other	ICE	HCL	HNO ₃	Other	BTE	HAI	Tota	Tota	EPA	MTB	EPA	EPA	EPA	EPA	EPA	EPA	EPA	CAM	LUF	Lead				
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MW-101	MW-101		131 pm	6	VOA	~				14	Ð	_	-		~									~								+	
MW-102 MW-103	MW-102	1-6	ZZIPM		11	~			_	1	[-									~									
MW~103	MW-103	1-6	306 PM	6	"	1				1	1				~									~									
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Relinquished By:		Date:	Time:		ived B	v:	M		TV	1-	_				AD S CHL					AP													
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Relinguished By:		Date:	Time:	Rece	Received By:				PR	ESEF	RVEI	D IN	LAF	3																			
	Date: Time: Received by:										vo	AS	08	G	ME	TAL	s	отн	ER														
														PR	ESER	VAT	TION					pH<											



Sample Receipt Checklist

Client Name:	West & Associates			Date and Time Received:	1/9/2017 14:42
Project Name:	Automaster			Date Logged:	1/9/2017
	AZO4007 Matche			Received by:	Alexandra Iniguez
WorkOrder №: Carrier:	1701287 Matrix: Water Client Drop-In			Logged by:	Alexandra Iniguez
	Chain of C	ustody	/ (COC) Infor	mation	
Chain of custody	present?	Yes	✓	No 🗌	
Chain of custody	signed when relinquished and received?	Yes	✓	No 🗌	
Chain of custody	agrees with sample labels?	Yes	✓	No 🗌	
Sample IDs note	d by Client on COC?	Yes	✓	No 🗌	
Date and Time of	f collection noted by Client on COC?	Yes	✓	No 🗌	
Sampler's name	noted on COC?	Yes	✓	No 🗌	
	Sampl	e Rece	eipt Informati	on	
Custody seals int	act on shipping container/cooler?	Yes		No 🗌	NA
Shipping contain	er/cooler in good condition?	Yes	✓	No 🗌	
Samples in prope	er containers/bottles?	Yes	✓	No 🗌	
Sample containe	rs intact?	Yes		No 🗌	
Sufficient sample	volume for indicated test?	Yes		No 🗌	
	Sample Preservation	on and	Hold Time (I	HT) Information	
All samples recei	ved within holding time?	Yes	✓	No 🗌	NA
Sample/Temp Bl	ank temperature		Temp: 4.8	3°C	NA
Water - VOA vial	s have zero headspace / no bubbles?	Yes	✓	No 🗌	
Sample labels ch	ecked for correct preservation?	Yes	✓	No 🗌	
pH acceptable up	oon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes		No 🗌	NA 🗹
Samples Receive		Yes	✓	No 🗌	
	(Ісе Туре	e: WE	TICE)		
UCMR3 Samples	_			N 🗆	<i></i>
I otal Chlorine	tested and acceptable upon receipt for EPA 522?	Yes		No 🗌	
Free Chlorine t 300.1, 537, 539	ested and acceptable upon receipt for EPA 218.7, 9?	Yes		No 🗌	NA 🗹

Comments:

APPENDIX D

Historical Groundwater Analytical Results

HISTORICAL GROUNDWATER RESULTS Automasters

(All values in micrograms per liter, i.e. ug/l or ppb)

Sample ID	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)	TPH-g	Benzene	Toluene	Ethyl Benzene	Xylenes	MtBE	Naphthalene	TPH-d	TPH-mo
	12/31/15	3.70	125.14	18,000	1,000	64	320	1,800	<200	210	5,100	<250
MW-101	06/30/16	5.35	123.49	14,000	980	<50	780	1,000	<50	210	3,000	<250
TOC = 128.84 ft	10/04/16	6.17	122.67	15,000	990	<50	890	1,400	<5	190	3,900	<250
	1/6/17	3.53	125.31	17,000	900	35	680	1,100	<5	190	6,200	<250
				1		1	1			-		
	12/31/15	5.20	125.15	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<250
MW-102	06/30/16	6.90	123.45	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<250
TOC = 130.35 ft	10/04/16	7.51	122.84	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<250
	1/6/17	4.68	125.67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<250
					•		•					
	12/31/15	5.10	124.93	4,700	110	11	140	430	<5	78	1,400	<250
MW-103	06/30/16	6.56	123.47	3,200	70	6.7	160	150	<5	47	750	<250
TOC = 130.03 ft	10/04/16	7.37	122.76	6,400	160	16	340	320	<5	69	1,300	<250
	1/6/17	4.51	125.52	5,800	97	10	220	310	<5	47	1,100	<250

No free product has been encountered in any of the wells during these four monitoring events.

HISTORICAL VOC GROUNDWATER RESULTS Automasters

Sample ID	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)	N-Butyl Benzene	lsopropyl Benzene	4-lsopropyl Toluene	N-Propyl Benzene	1,2,4-Trimethyl Benzene	1,3,5-Trimethyl Benzene
	12/31/15	3.70	125.14	<50	<50	<50	<50	770	160
MW-101 TOC = 128.84 ft	06/30/16	5.35	123.49	<50	58	<50	160	620	150
	10/04/16	6.17	122.67	<50	71	<50	150	780	150
	1/6/17	3.53	125.31	55	64	<25	150	850	160
	12/31/15	5.20	125.15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-102	06/30/16	6.90	123.45	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TOC = 130.35 ft	10/04/16	7.51	122.84	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	1/6/17	4.68	125.67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/31/15	5.10	124.93	<10	10	15	12	150	58
MW-103	06/30/16	6.56	123.47	9	19	<5	47	130	10
	10/04/16	7.37	122.76	18	35	<12	81	310	28
	1/6/17	4.51	125.52	22	25	<5.0	64	260	35

(All values in micrograms per liter, i.e. ug/l or ppb)

No free product has been encountered in any of the wells during these four monitoring events.

APPENDIX E

Electronic Data Submittal Confirmations

Your GEO_REPORT file has been successfully submitted!

Submittal Type:	GEO_REPORT
Report Title:	GWMR - 4Q16
Report Type:	Monitoring Report - Quarterly
Report Date:	2/9/2017
Facility Global ID:	T0619748201
Facility Name:	AUTOMASTERS
File Name:	Automasters - GWMR 4Q16.pdf
Organization Name:	West & Associates Environmental Engineers, Inc.
Username:	WESTENGINEERS
IP Address:	38.102.44.215
Submittal Date/Time:	2/24/2017 9:35:29 AM
Confirmation Number:	3441420137

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

Submittal Type:	GEO_WELL
Report Title:	GWMR - 4Q16
Facility Global ID:	T0619748201
Facility Name:	AUTOMASTERS
File Name:	geo_well.zip
Organization Name:	West & Associates Environmental Engineers, Inc.
Username:	WESTENGINEERS
IP Address:	38.102.44.215
Submittal Date/Time:	2/24/2017 9:43:59 AM
Confirmation Number:	8649637579

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

Submittal Type:	EDF
Report Title:	GWMR - 4Q16
Report Type:	Monitoring Report - Quarterly
Facility Global ID:	T0619748201
Facility Name:	AUTOMASTERS
File Name:	1701287.zip
Organization Name:	West & Associates Environmental Engineers, Inc.
Username:	WESTENGINEERS
IP Address:	38.102.44.215
Submittal Date/Time:	2/24/2017 9:44:56 AM
Confirmation Number:	3483679413