

To: Page 2 of 2

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2005-12-29 17:02:51 (GMT)

14128400713 From: Kodiak Consulting, LLC

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By Iopprojectop at 4:47 pm, Jan 31, 2006

Perjury Statement

"I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report pertaining to the former Scooter's Auto facility at 3600 MacArthur Boulevard in Oakland California prepared by Kodiak Consulting, LLC is true and correct to the best of my knowledge."

Signed: Wannetta Hael Date: 12-29-05

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*By loprojectop at 4:46 pm, Jan 31, 2006*

**GROUNDWATER MONITORING AND SAMPLING REPORT  
THIRD QUARTER 2005**

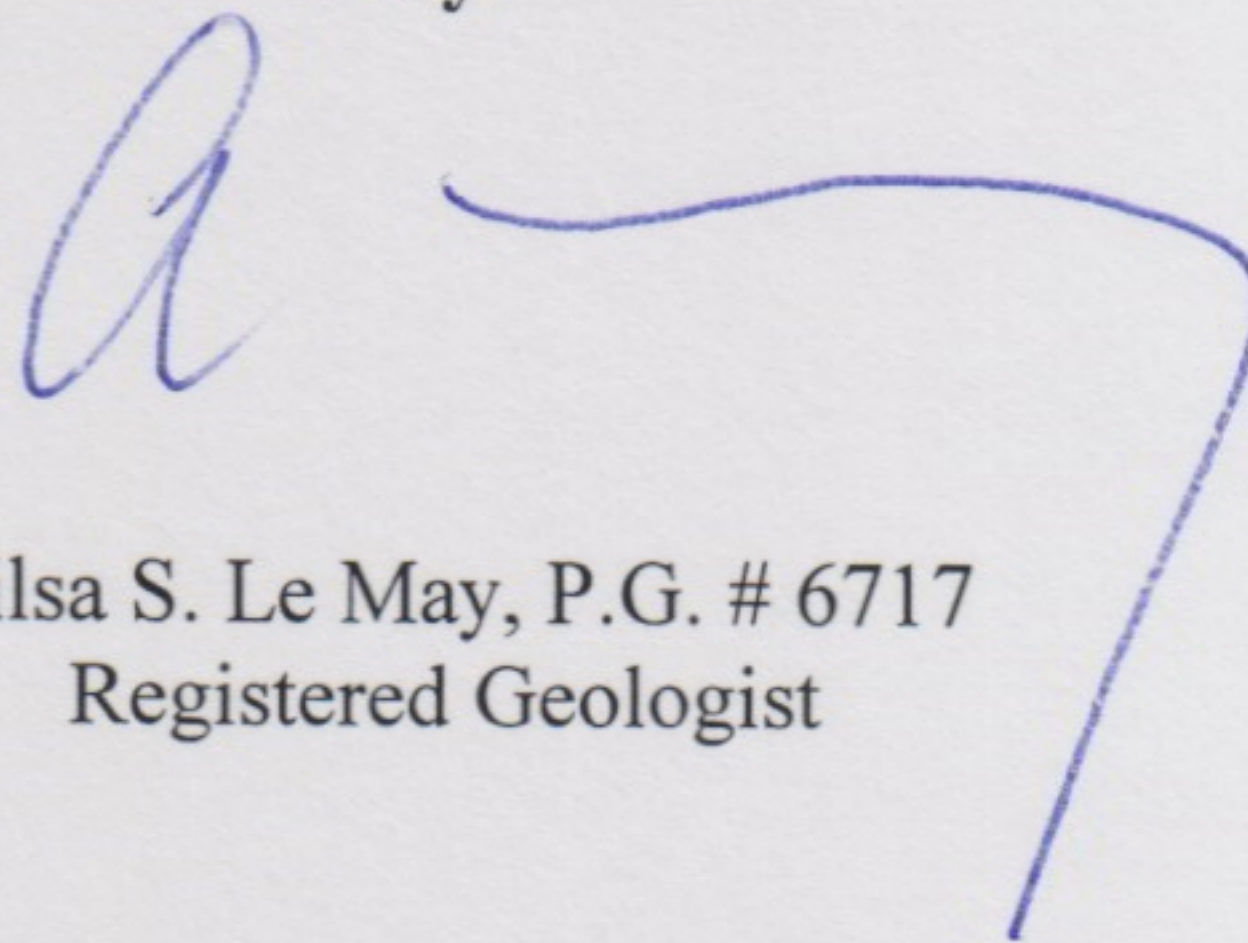
January 29, 2006

*Scooter's Auto Repair/Scooter Wilson  
3600 MacArthur Boulevard  
Oakland, California 94619*

**Prepared for:**

Ms. Wannetta Hall  
4414 Fleming Avenue  
Oakland, California 94619

**By:**



Ailsa S. Le May, P.G. # 6717  
Registered Geologist



**KODIAK CONSULTING, LLC**

660 4<sup>th</sup> Street, #288

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## **1.0 INTRODUCTION**

This report has been prepared by Kodiak Consulting, LLC (Kodiak) on behalf of Ms. Wannetta Hall to present the results of third quarter 2005 groundwater monitoring activities at the Former Scooter's Auto Repair facility located at 3600 MacArthur Boulevard in Oakland, California. This report is part of the ongoing environmental investigation at this property and is respectfully submitted to the Alameda County Health Care Services Agency (ACHCSA). This report summarizes the activities and results of groundwater sampling that took place on September 19, 2005. A copy of this report will be submitted to Mr. Don Hwang of the ACHCSA electronically as an uploaded document to the State GeoTracker database and the Alameda County FTP site as required.

## **2.0 THIRD QUARTER GROUNDWATER GAUGING AND SAMPLING ACTIVITIES**

There are currently three 2-inch-diameter groundwater monitoring wells (MW-1 to MW-3) located on the property. The locations of each well relative to the former UST and excavation areas are shown in Figure 1. On September 2005, the three wells were gauged and sampled. The steel well covers and compression caps to each monitoring well location were removed to allow the groundwater to stabilize in each well for up to approximately 20 minutes. The depth to groundwater was measured in each well with an electronic interface probe. Three well casing volumes (4.5 to 7.0 gallons in MW-1 through MW-3) of groundwater were removed from each well using a direct current, centrifugal purge pump and 0.5-inch-diameter, disposable, polyethylene purge tubing. Dissolved-oxygen was measured in-situ, and purge water was monitored for pH, temperature, and conductivity. Groundwater sample were collected from each well using a factory-sealed, disposable, polyethylene bailer. Well purge water was transferred to a D.O.T. -approved, 55-gallon, steel drum and stored onsite. During the past year the City of Oakland has used the site to store excavated clean soil onsite during a street works project. In the process, well MW-2 was buried beneath soil, and the wellbox was dislodged. During sampling the well was located, and although the wellbox was dislodged, the well itself was undamaged and intact. The wellbox has been put back in place and no further site disruptions are foreseen. It should be resurveyed as the rim elevation is possibly different from the original surveyed elevation.

All samples were labeled and properly refrigerated prior to transport to a State-certified analytical laboratory under chain of custody record. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) using EPA Method 5030; TPH as motor oil (TPH-MO) and TPH as diesel (TPH-D) using modified EPA Method 8015 with silica gel cleanup; benzene, toluene, ethylbenzene, and total xylenes (BTEX), and fuel oxygenates MTBE, TBA, ETBA, DIPE, and TAME by EPA Method 8260B.

## **3.0 SAMPLING RESULTS**

The depth to groundwater in August ranged between 3.68 and 17.18 feet below grade (fbg). The calculated groundwater gradient and flow direction were 0.10 foot/foot to the southwest at 241°. This is much higher than previous events and may be due to the wellbox adjustment. The groundwater table elevations and flow direction, including previous results are illustrated in Figure

1. Figures 2 display the dissolved-phase TPH-G and benzene results. The dissolve-phase results are consistent with previous events, and appear to be stable. The proposed investigation work has not been completed at the site. Now that the site is free of soil debris, the work will be scheduled and carried out. The wells were sampled during the fourth quarter 2005, and results will be submitted in a forthcoming report. Table 1 includes the laboratory analytical results (bolded print) for the groundwater samples collected during the Third Quarter 2005 event and the associated fluid-level monitoring data. A copy of the associated fluid-level monitoring and well purge/sampling data sheets is included in Appendix A. A copy of the laboratory analytical report and chain of custody record is included in Appendix B.

#### **4.0 GEOTRACKER UPLOAD**

On December 15, 2005, Kodiak updated the field point names for the site and uploaded the electronic laboratory analytical data and well fluid-level data (GEO\_WELL) associated with the September 2005 monitoring activities to the State GeoTracker Database System (Confirmation Nos. 2804157853 and 6939362943.)

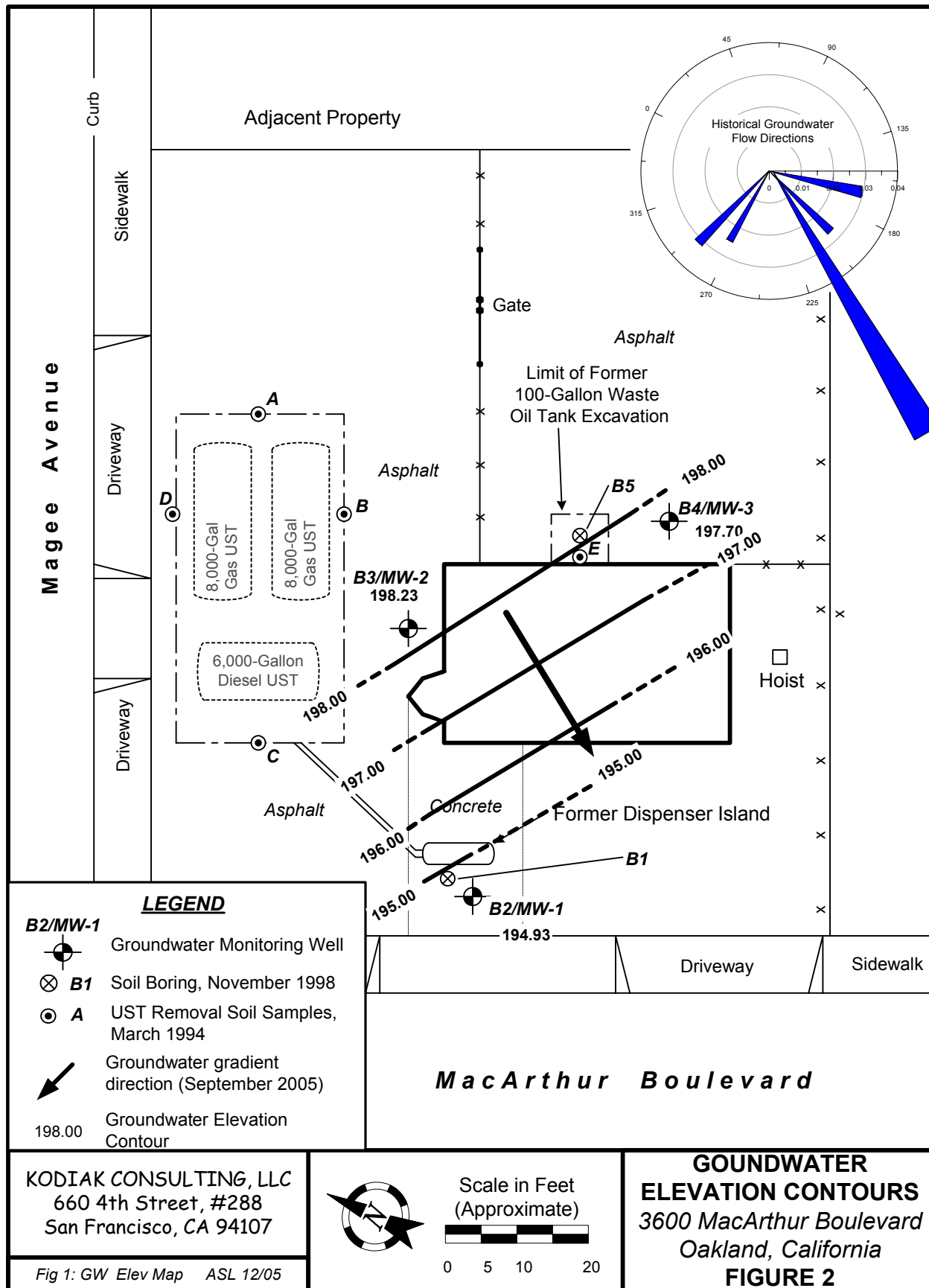
#### **5.0 CONCLUSIONS AND RECOMENDATIONS**

The groundwater flow direction beneath this site has varied from the west to the southeast. The groundwater was calculated to flow approximately three times as fast as previously calculated for other event, but it is likely due to the dislodged MW-2 wellbox. Gasoline-range hydrocarbons remain in the groundwater in the vicinity of MW-1, while MW-2 and MW-3 remain free of dissolved-phase contaminants. Future site investigation should complete the plume extent characterization downgradient of MW1 and to the west of the former USTs.

Kodiak will work with Wannetta Hall to complete the proposed site investigation activities. A new survey may be performed to meet with GeoTracker requirements. A forthcoming report, detailing fourth quarter 2005 sampling activities and results, including site investigation status, will be submitted in a forthcoming report.

#### **6.0 LIMITATIONS**

This report has been prepared in accordance with generally accepted environmental practices exercised by professional geologists, scientists, and engineers. No warranty, either expressed or implied, is made as to the methods, results, conclusions, or professional advice presented herein. Kodiak's liability is limited to the dollar amount of the work performed. The findings and recommendations contained in this report are based upon information contained in previous reports of assessment activities performed at the subject property and based upon site conditions as they existed at the time of the evaluation, and are subject to change. Changes in the information or data gained from any of these sources could result in changes in our conclusions or recommendations. If such changes do occur, we should be advised so that we can review our report in light of those changes.



**Magee Avenue**

Curb  
Sidewalk  
Driveway  
Driveway

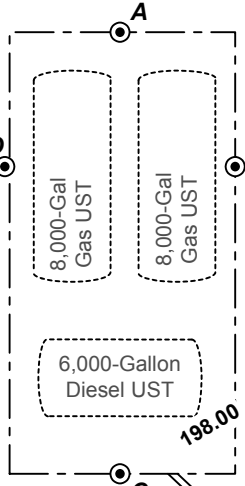
Adjacent Property

Gate

Asphalt

Limit of Former  
100-Gallon Waste  
Oil Tank Excavation

Asphalt



**B3/MW-2**  
198.23

**B4/MW-3**  
197.70

Hoist

Asphalt

Concrete

Former Dispenser Island

196.00

195.00

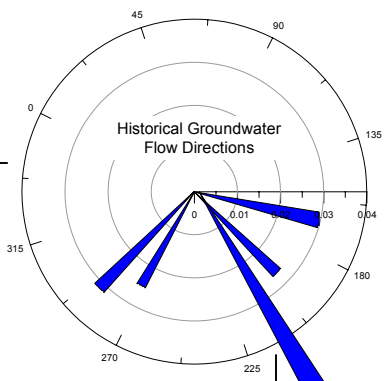
**B2/MW-1**  
194.93

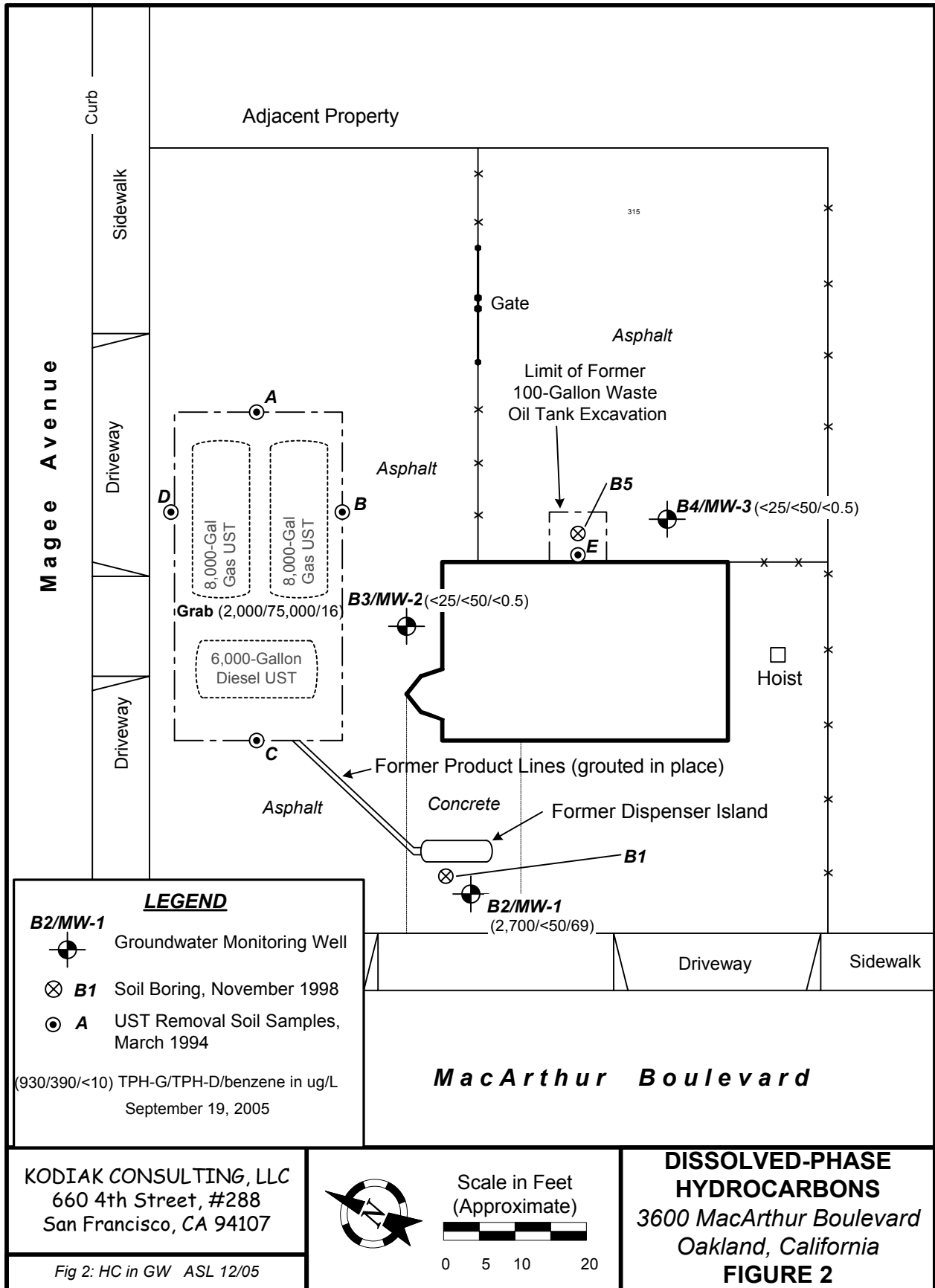
**B1**

Driveway

Sidewalk

**MacArthur Boulevard**





**Magee Avenue**

Adjacent Property

Curb  
Sidewalk  
Driveway  
Driveway

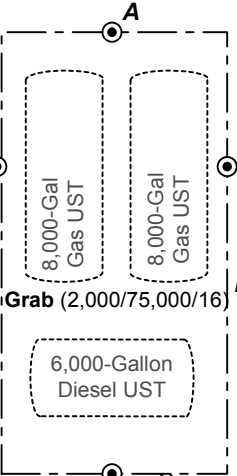
315

Gate

Asphalt

Limit of Former  
100-Gallon Waste  
Oil Tank Excavation

Asphalt



**B3/MW-2** (<25/<50/<0.5)

**B5**

**B4/MW-3** (<25/<50/<0.5)

Hoist

Former Product Lines (grouted in place)

Asphalt

Concrete

Former Dispenser Island

**B1**

**B2/MW-1**  
(2,700/<50/69)

Driveway

Sidewalk

**MacArthur Boulevard**

Table 1.

**Groundwater Monitoring and Analytical Data  
3600 MacArthur Boulevard, Oakland, California**

Sample No.	Date	Depth to Water	Groundwater Elevation	TPH-G	TPH-D	TPH-MO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	HVOCs (8010)	Oxygenates (8260)
TOC (ft above MSL)		(ft)	(ft above MSL)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Fuel Tank Cavity	03/31/1994	--	--	2,000	75,000	--	16	47	8	290.0	--	--	--
WO Tank Cavity	03/31/1994	--	--	600	6,900	--	0.6	2	5	56.0	--	ND	--
<b>MW-1</b>	11/12/1998	3.24	198.14	6,200	540	<50	420	47	<0.5	210	<0.5	--	--
<b>201.38</b>	04/06/1999	1.76	199.62	--	--	--	--	--	--	--	--	--	--
<b>Screened 4-14 ft</b>	04/09/1999	--	--	4,400	<50	--	320	33	240	240	<0.5*	--	--
	10/01/1999	6.51	194.87	2,600	190	--	290	20	190	46	<0.5*	--	--
	01/31/2000	1.88	199.50	--	--	--	--	--	--	--	--	--	--
	06/30/2000	2.96	198.42	4,100	--	--	260	69	320	510	<0.5*	--	<100
	07/14/2000	--	--	--	1,500**	--	--	--	--	--	--	--	--
	<b>09/19/2005</b>	<b>3.68</b>	<b>197.70</b>	<b>2,700</b>	<b>&lt;50</b>	<b>&lt;250</b>	<b>69</b>	<b>6.5</b>	<b>14</b>	<b>3.3</b>	<b>&lt;25</b>	--	<b>&lt;MDL</b>
<b>MW-2</b>	11/12/1998	2.85	199.02	<50	<50	<50	<0.5	<0.5	<0.5	<1	<0.5	--	--
<b>201.87</b>	04/06/1999	1.43	200.44	--	--	--	--	--	--	--	--	--	--
<b>Screened 4-14 ft</b>	04/09/1999	--	--	<50	<50	--	<0.5	<0.5	<0.5	<1	<0.5	--	--
	10/01/1999	3.29	198.58	<50	110	--	<0.5	<0.5	<0.5	<1	<0.5	--	--
	01/31/2000	1.61	200.26	--	--	--	--	--	--	--	--	--	--
	06/30/2000	2.74	199.13	130	--	--	0.7	<0.5	1.0	2.0	<0.5	--	--
	07/14/2000	--	--	--	<50	--	--	--	--	--	--	--	--
	<b>09/19/2005</b>	<b>3.64</b>	<b>198.23</b>	<b>&lt;25</b>	<b>&lt;50</b>	<b>&lt;250</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;5.0</b>	--	<b>&lt;MDL</b>
<b>MW-3</b>	11/12/1998	3.43	198.68	<50	<50	<50	<0.5	<0.5	<0.5	<1	<0.5	<5	--
<b>202.11</b>	04/06/1999	2.91	199.20	--	--	--	--	--	--	--	--	--	--
<b>Screened 4-14 ft</b>	04/09/1999	--	--	<50	<50	--	<0.5	<0.5	<0.5	<1	<0.5	--	--
	10/01/1999	8.42	193.69	<50	80	--	<0.5	<0.5	<0.5	<1	<0.5	--	--
	01/31/2000	1.12	200.99	--	--	--	--	--	--	--	--	--	--
	06/30/2000	1.83	200.28	<50	--	--	0.8	0.5	0.9	3	<0.5*	--	--
	07/14/2000	--	--	--	<50	--	--	--	--	--	--	--	--
	<b>09/19/2005</b>	<b>7.18</b>	<b>194.93</b>	<b>&lt;25</b>	<b>&lt;50</b>	<b>&lt;250</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;5.0</b>	--	<b>&lt;MDL</b>

**Legend**

(µg/L):	Micrograms per liter	TPEH:	Total Petroleum Extractable Hydrocarbons	**=	Chromatogram did not match typical diesel pattern
TPH-G:	Total Petroleum Hydrocarbons as Gasoline	MTBE (8020):	Methyl Tertiary Butyl Ether analyzed using EPA Method 8020	HVOCs:	Halogenated volatile organic compounds by EPA Method 8010
TPH-D:	Total Petroleum Hydrocarbons as Diesel	TOG =	Total Oil and Grease	SVOCs:	Semi-volatile organic compounds by EPA Method 8270
TPH-MO:	Total Petroleum Hydrocarbons as Motor Oil	*=	Confirmed by EPA Method 8260	MDL=	Method Detection Limit



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

### FLUID-LEVEL MONITORING DATA

Project No: \_\_\_\_\_ Date: 9.19.05

Project/Site Location: SCOOTER'S / 3600 MacARTHUR BLVD. OAKLAND.

Technician: JOSEPH SAIDH Method: ELECTRONIC

Well	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Total Well Depth (feet)	Comments
MW-1	3.68	-	-	14	@11:04 23.9°/0.44/3.8%
MW-2	3.64	-	-	14	@11:02 21.4°/0.41/4.6%
MW-3	7.18	-	-	14	@11:00 21.6°/0.33/3.8%

Measurements referenced to top of well casing. NORTH

## WELL PURGING/SAMPLING DATA

Project Number: \_\_\_\_\_ Date: 9.19.05

Project / Site Location: SCOOTERS  
3600 MACARTHUR BLVD.  
OAKLAND, CA

Sampler/Technician: JWS

Casing Diameter (inches)	0.75	<u>2</u>	4	6
Casing Volumes (gallons)	0.02	<u>0.2</u>	0.7	1.52

Well No. MW-1

A. Total Well Depth	3.68
B. Depth To Water	14.00
C. Water Height (A-B)	10.32
D. Well Casing Diameter	2.0
E. Casing Volume	0.2
F. Single Case Volume (Cx E)	2.06
G. Case Volume(s)(Cx Ex 3)	6.19
H. 80% Recharge Level	5.74

Well No. MW-2

A. Total Well Depth	3.64
B. Depth To Water	14.00
C. Water Height (A-B)	10.36
D. Well Casing Diameter	2.0
E. Casing Volume	0.2
F. Single Case Volume (Cx E)	2.07
G. Case Volume(s)(Cx Ex )	6.22
H. 80% Recharge Level	5.71

**Purge Event** Starts H/C 0000

Start Time: 1203

Finish Time: 1211

**Post Purge Measurement**

Depth to Water 13.52

Time Measured: 1212

**Recharge/Sample Time**

Depth to Water: 4.47

Time Measured: 12:16

**Purge Event**

Start Time: 1140

Finish Time: 1145

**Post Purge Measurement**

Depth to Water 7.61

Time Measured: 11:48

**Recharge/Sample Time**

Depth to Water: 5.49

Time Measured: 11:51

**Well Fluid Parameters:**

	0.25	2.0	4.5	6.5
Gals.	0.25	2.0	4.5	6.5
pH	6.79	6.85	6.90	6.95
T (°C)	24.1	22.6	22.7	22.8
Cond.	130	128	124	124
DO mg/L	0.44	IN SITU	PRIOR TO	PURGE
DO %	5.1	"	"	"
Turbidity	-			
ORP	-001		-033	-030

**Well Fluid Parameters:**

	0.25	2.0	4.5	6.5
Gals.	0.25	2.0	4.5	6.5
pH	6.84	6.90	6.92	6.92
T (°C)	22.6	22.4	22.3	21.7
Cond.	118.3	117.0	116.1	116.7
DO mg/L	0.41	IN SITU	PRIOR TO	PURGE
DO %	4.6%	IN SITU	"	"
Turbidity	-			
ORP	-006	-005	-003	-002

**Summary Data:**

Total Gallons Purged: 6.5

Purge device: DC-60

Sampling Device: Disp. Bailor

Sample Collection Time: 1225

Sample Appearance/Odor: Clear/Turbid

**Summary Data:**

Total Gallons Purged: 7.0

Purge device: DC-60

Sampling Device: Disp. Bailor

Sample Collection Time: 1155

Sample Appearance/Odor: Clear/Brn. Fine SS.

Starts H/C 0000  
Slight

NO ODDR

## WELL PURGING/SAMPLING DATA

Project Number: \_\_\_\_\_ Date: 9.19.05  
 Project / Site Location: SCOOTERS AUTO  
3600 MACARTHUR BLVD.  
OAKLAND, CA

Sampler/Technician: JWS

Casing Diameter (inches)	0.75	<u>2</u>	4	6
Casing Volumes (gallons)	0.02	<u>0.2</u>	0.7	1.52

Well No. HW-3

A. Total Well Depth	7.18
B. Depth To Water	14.0
C. Water Height (A-B)	6.82
D. Well Casing Diameter	2.0
E. Casing Volume	0.2
F. Single Case Volume (CxEx)	1.36
G. Case Volume(s)(CxEx3)	4.09
H. 80% Recharge Level	8.54

<b>Purge Event</b>	
Start Time:	1124
Finish Time:	1128
<b>Post Purge Measurement</b>	
Depth to Water	12.11
Time Measured:	1130
<b>Recharge/Sample Time</b>	
Depth to Water:	10.16
Time Measured:	1233

Well Fluid Parameters:				
Gals.	0	1.5	3.5	4.5
pH	6.54	6.56	6.61	6.65
T (°C)	22.6	21.4	20.7	20.3
Cond.	407	189.5	176	160
DO mg/L	.33	in situ	prior to	purge
DO %	3.8	-	-	-
Turbidity	-			
ORP	54	41	37	16

<b>Summary Data:</b>	
Total Gallons Purged:	4.5
Purge device:	DC-60
Sampling Device:	DISP. BUILT
Sample Collection Time:	1240
Sample Appearance/Odor:	CLEAR/NONE

Well No. \_\_\_\_\_

A. Total Well Depth	
B. Depth To Water	
C. Water Height (A-B)	
D. Well Casing Diameter	
E. Casing Volume	
F. Single Case Volume (CxEx)	
G. Case Volume(s)(CxEx )	
H. 80% Recharge Level	

<b>Purge Event</b>	
Start Time:	
Finish Time:	
<b>Post Purge Measurement</b>	
Depth to Water	
Time Measured:	
<b>Recharge/Sample Time</b>	
Depth to Water:	
Time Measured:	

Well Fluid Parameters:				
Gals.				
pH				
T (°C)				
Cond.				
DO mg/L				
DO %				
Turbidity				
ORP				

<b>Summary Data:</b>	
Total Gallons Purged:	
Purge device:	
Sampling Device:	
Sample Collection Time:	
Sample Appearance/Odor:	

**APPENDIX B**

**LABORATORY ANALYTICAL REPORT AND CHAIN OF CUSTODY RECORD**

# Entech Analytical Labs, Inc.

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3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Ailsa Le May  
Kodiak Consulting, LLC  
660 4th Street #288  
San Francisco, CA 94107

**Certificate ID: 45369 - 10/4/2005 6:45:43 PM**

**Order Number: 45369**  
**Project Name: Scooter's Auto**

**Date Received: 09/20/2005**  
**P.O. Number: Scooter's Auto**  
**Global ID: T0600102113**

## Certificate of Analysis - Final Report

On September 20, 2005, samples were received under chain of custody for analysis.  
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test</u>	<u>Comments</u>
Liquid	EDF TPH-Extractable-SGCU EPA 8260B EPA 624 TPH as Gasoline - GC-MS	

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).  
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



Laurie Glantz-Murphy  
Laboratory Director

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Kodiak Consulting, LLC  
660 4th Street #288  
San Francisco, CA 94107  
Attn: Ailsa Le May

Date Received: 9/20/2005  
Project ID: Scooter's Auto  
Project Name: Scooter's Auto  
GlobalID: T0600102113  
P.O. Number: Scooter's Auto  
Sample Collected by: Client

## Certificate of Analysis - Data Report

Lab #: 45369-001 Sample ID: MW-1 Matrix: Liquid Sample Date: 9/19/2005 12:16 PM

EPA 3510C EPA 8015 MOD.(Extractable with Silica Gel Cleanup)								TPH-Extractable-SGCU	
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	9/21/2005	DW050921S	9/22/2005	DW050921S
200ppb higher boiling gasoline compounds (C8-C16). No Diesel pattern present.									
TPH as Motor Oil	ND		1.0	250	µg/L	9/21/2005	DW050921S	9/22/2005	DW050921S
<b>Surrogate</b>	<b>Surrogate Recovery</b>	<b>Control Limits (%)</b>							
o-Terphenyl	73.5	16 - 137		Analyzed by: JHsiang Reviewed by: dba					

EPA 5030C EPA 8260B EPA 624								8260Petroleum	
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	69		5.0	2.5	µg/L	N/A	N/A	10/1/2005	WM2051001
Toluene	6.5		5.0	2.5	µg/L	N/A	N/A	10/1/2005	WM2051001
Ethyl Benzene	14		5.0	2.5	µg/L	N/A	N/A	10/1/2005	WM2051001
Xylenes, Total	3.3		5.0	2.5	µg/L	N/A	N/A	10/1/2005	WM2051001
Methyl-t-butyl Ether	ND		5.0	5.0	µg/L	N/A	N/A	10/1/2005	WM2051001
tert-Butyl Ethyl Ether	ND		5.0	25	µg/L	N/A	N/A	10/1/2005	WM2051001
tert-Butanol (TBA)	ND		5.0	50	µg/L	N/A	N/A	10/1/2005	WM2051001
Diisopropyl Ether	ND		5.0	25	µg/L	N/A	N/A	10/1/2005	WM2051001
tert-Amyl Methyl Ether	ND		5.0	25	µg/L	N/A	N/A	10/1/2005	WM2051001
1,2-Dichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	10/1/2005	WM2051001
1,2-Dibromoethane (EDB)	ND		5.0	2.5	µg/L	N/A	N/A	10/1/2005	WM2051001
Ethanol	ND		5.0	500	µg/L	N/A	N/A	10/1/2005	WM2051001
<b>Surrogate</b>	<b>Surrogate Recovery</b>	<b>Control Limits (%)</b>							
4-Bromofluorobenzene	98.4	70 - 130		Analyzed by: TAF Reviewed by: MaiChiTu					
Dibromofluoromethane	93.5	70 - 130							
Toluene-d8	100	70 - 130							

EPA 5030C GC-MS								TPH as Gasoline - GC-MS	
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	2700		5.0	120	µg/L	N/A	N/A	10/1/2005	WM2051001
<b>Surrogate</b>	<b>Surrogate Recovery</b>	<b>Control Limits (%)</b>							
4-Bromofluorobenzene	110	70 - 130		Analyzed by: TAF Reviewed by: MaiChiTu					
Dibromofluoromethane	98.0	70 - 130							
Toluene-d8	101	70 - 130							

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Kodiak Consulting, LLC  
660 4th Street #288  
San Francisco, CA 94107  
Attn: Ailsa Le May

Date Received: 9/20/2005  
Project ID: Scooter's Auto  
Project Name: Scooter's Auto  
GlobalID: T0600102113  
P.O. Number: Scooter's Auto  
Sample Collected by: Client

## Certificate of Analysis - Data Report

Lab #: 45369-002 Sample ID: MW-2

Matrix: Liquid Sample Date: 9/19/2005 11:51 AM

### EPA 3510C EPA 8015 MOD.(Extractable with Silica Gel Cleanup)

### TPH-Extractable-SGCU

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	9/21/2005	DW050921S	9/22/2005	DW050921S
TPH as Motor Oil	ND		1.0	250	µg/L	9/21/2005	DW050921S	9/22/2005	DW050921S

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	68.0	16 - 137

Analyzed by: JHsiang

Reviewed by: dba

### EPA 5030C EPA 8260B EPA 624

### 8260Petroleum

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	9/30/2005	WM2050929
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	9/30/2005	WM2050929
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	9/30/2005	WM2050929
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	9/30/2005	WM2050929
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	9/30/2005	WM2050929
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	9/30/2005	WM2050929
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	9/30/2005	WM2050929
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	9/30/2005	WM2050929
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	9/30/2005	WM2050929
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	9/30/2005	WM2050929
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	9/30/2005	WM2050929
Ethanol	ND		1.0	100	µg/L	N/A	N/A	9/30/2005	WM2050929

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	102	70 - 130
Dibromofluoromethane	114	70 - 130
Toluene-d8	105	70 - 130

Analyzed by: TAF

Reviewed by: MaiChiTu

### EPA 5030C GC-MS

### TPH as Gasoline - GC-MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	25	µg/L	N/A	N/A	9/30/2005	WM2050929

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	114	70 - 130
Dibromofluoromethane	119	70 - 130
Toluene-d8	106	70 - 130

Analyzed by: TAF

Reviewed by: MaiChiTu



# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Kodiak Consulting, LLC  
660 4th Street #288  
San Francisco, CA 94107  
Attn: Ailsa Le May

Date Received: 9/20/2005  
Project ID: Scooter's Auto  
Project Name: Scooter's Auto  
GlobalID: T0600102113  
P.O. Number: Scooter's Auto  
Sample Collected by: Client

## Certificate of Analysis - Data Report

Lab #: 45369-003 Sample ID: MW-3

Matrix: Liquid Sample Date: 9/19/2005 12:33 PM

### EPA 3510C EPA 8015 MOD.(Extractable with Silica Gel Cleanup)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	TPH-Extractable-SGCU	
								Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	9/21/2005	DW050921S	9/22/2005	DW050921S
TPH as Motor Oil	ND		1.0	250	µg/L	9/21/2005	DW050921S	9/22/2005	DW050921S
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JHsiang	
o-Terphenyl	64.5		16 - 137					Reviewed by: dba	

### EPA 5030C EPA 8260B EPA 624

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	8260Petroleum	
								Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	9/30/2005	WM2050929
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	9/30/2005	WM2050929
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	9/30/2005	WM2050929
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	9/30/2005	WM2050929
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	9/30/2005	WM2050929
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	9/30/2005	WM2050929
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	9/30/2005	WM2050929
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	9/30/2005	WM2050929
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	9/30/2005	WM2050929
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	9/30/2005	WM2050929
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	9/30/2005	WM2050929
Ethanol	ND		1.0	100	µg/L	N/A	N/A	9/30/2005	WM2050929
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: TAF	
4-Bromofluorobenzene	101		70 - 130					Reviewed by: MaiChiTu	
Dibromofluoromethane	114		70 - 130						
Toluene-d8	106		70 - 130						

### EPA 5030C GC-MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	TPH as Gasoline - GC-MS	
								Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	25	µg/L	N/A	N/A	9/30/2005	WM2050929
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: TAF	
4-Bromofluorobenzene	113		70 - 130					Reviewed by: MaiChiTu	
Dibromofluoromethane	119		70 - 130						
Toluene-d8	107		70 - 130						

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - EPA 8015 MOD.(Extractable with Silica Gel Cleanup) - TPH-Extractable-SGCU

QC/Prep Batch ID: DW050921S

Validated by: dba - 09/27/05

QC/Prep Date: 9/21/2005

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	50	µg/L
TPH as Motor Oil	ND	1	250	µg/L

Surrogate for Blank	% Recovery	Control Limits
o-Terphenyl	81.3	16 - 137

Laboratory Control Sample / Duplicate - Liquid - EPA 8015 MOD.(Extractable with Silica Gel Cleanup) - TPH-Extractable-SGCU

QC/Prep Batch ID: DW050921S

Reviewed by: dba - 09/27/05

QC/Prep Date: 9/21/2005

LCS						
Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<50	1000	838	µg/L	83.8	35 - 109
TPH as Motor Oil	<250	1000	651	µg/L	65.1	30 - 132
Surrogate	% Recovery	Control Limits				
o-Terphenyl	78	16 - 137				

LCSD								
Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<50	1000	757	µg/L	75.7	10	25.0	35 - 109
TPH as Motor Oil	<250	1000	674	µg/L	67.4	3.5	25.0	30 - 132
Surrogate	% Recovery	Control Limits						
o-Terphenyl	71.4	16 - 137						

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

## Method Blank - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WM2050929

Validated by: MaiChiTu - 10/04/05

QC Batch Analysis Date: 9/29/2005

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethanol	ND	1	100	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	99.3	70 - 130
Dibromofluoromethane	95.7	70 - 130
Toluene-d8	101	70 - 130

## Laboratory Control Sample / Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WM2050929

Reviewed by: MaiChiTu - 10/04/05

QC Batch ID Analysis Date: 9/29/2005

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.1	µg/L	90.7	70 - 130
Benzene	<0.50	20	19.3	µg/L	96.5	70 - 130
Chlorobenzene	<0.50	20	21.5	µg/L	108	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.0	µg/L	89.8	70 - 130
Toluene	<0.50	20	18.6	µg/L	93.0	70 - 130
Trichloroethene	<0.50	20	21.5	µg/L	108	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	98.9	70 - 130
Dibromofluoromethane	96.7	70 - 130
Toluene-d8	99.6	70 - 130

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.7	µg/L	93.7	3.2	25.0	70 - 130
Benzene	<0.50	20	19.8	µg/L	99.1	2.7	25.0	70 - 130
Chlorobenzene	<0.50	20	22.0	µg/L	110	2.0	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.0	µg/L	100	11	25.0	70 - 130
Toluene	<0.50	20	19.1	µg/L	95.4	2.6	25.0	70 - 130
Trichloroethene	<0.50	20	22.2	µg/L	111	3.0	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	99	70 - 130
Dibromofluoromethane	96.9	70 - 130
Toluene-d8	99	70 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Matrix Spike / Matrix Spike Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WM2050929

Reviewed by: MaiChiTu - 10/04/05

QC Batch ID Analysis Date: 9/29/2005

MS Sample Spiked: 45449-003

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	ND	20	21.2	µg/L	9/29/2005	106	70 - 130
Methyl-t-butyl Ether	3.84	20	24.1	µg/L	9/29/2005	101	70 - 130
Toluene	ND	20	20.2	µg/L	9/29/2005	101	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	102	70 - 130
Dibromofluoromethane	110	70 - 130
Toluene-d8	104	70 - 130

MSD Sample Spiked: 45449-003

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	ND	20	20.3	µg/L	9/29/2005	102	4.3	25.0	70 - 130
Methyl-t-butyl Ether	3.84	20	23.7	µg/L	9/29/2005	99.2	1.9	25.0	70 - 130
Toluene	ND	20	19.4	µg/L	9/29/2005	97.0	4.1	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	101	70 - 130
Dibromofluoromethane	110	70 - 130
Toluene-d8	103	70 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

## Method Blank - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WM2051001

Validated by: MaiChiTu - 10/04/05

QC Batch Analysis Date: 10/1/2005

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethanol	ND	1	100	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	95.8	70 - 130
Dibromofluoromethane	92.0	70 - 130
Toluene-d8	102	70 - 130

## Laboratory Control Sample / Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WM2051001

Reviewed by: MaiChiTu - 10/04/05

QC Batch ID Analysis Date: 10/1/2005

### LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	19.7	µg/L	98.4	70 - 130
Benzene	<0.50	20	20.4	µg/L	102	70 - 130
Chlorobenzene	<0.50	20	22.7	µg/L	114	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.0	µg/L	90.1	70 - 130
Toluene	<0.50	20	19.9	µg/L	99.6	70 - 130
Trichloroethene	<0.50	20	23.2	µg/L	116	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	96.6	70 - 130
Dibromofluoromethane	95.5	70 - 130
Toluene-d8	98.4	70 - 130

### LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.4	µg/L	92.2	6.5	25.0	70 - 130
Benzene	<0.50	20	19.3	µg/L	96.7	5.3	25.0	70 - 130
Chlorobenzene	<0.50	20	21.7	µg/L	109	4.4	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	16.6	µg/L	82.9	8.4	25.0	70 - 130
Toluene	<0.50	20	19.1	µg/L	95.7	4.0	25.0	70 - 130
Trichloroethene	<0.50	20	21.9	µg/L	109	5.7	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	96.6	70 - 130
Dibromofluoromethane	92.9	70 - 130
Toluene-d8	99.4	70 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WM2050929

Validated by: MaiChiTu - 10/04/05

QC Batch Analysis Date: 9/29/2005

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	111	70 - 130
Dibromofluoromethane	100	70 - 130
Toluene-d8	102	70 - 130

Laboratory Control Sample / Duplicate - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WM2050929

Reviewed by: MaiChiTu - 10/04/05

QC Batch ID Analysis Date: 9/29/2005

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	250	240	µg/L	95.9	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	113	70 - 130
Dibromofluoromethane	98.9	70 - 130
Toluene-d8	103	70 - 130

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	250	247	µg/L	98.8	2.9	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	113	70 - 130
Dibromofluoromethane	101	70 - 130
Toluene-d8	102	70 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WM2051001

Validated by: MaiChiTu - 10/04/05

QC Batch Analysis Date: 10/1/2005

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	107	70 - 130
Dibromofluoromethane	96.4	70 - 130
Toluene-d8	102	70 - 130

Laboratory Control Sample / Duplicate - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WM2051001

Reviewed by: MaiChiTu - 10/04/05

QC Batch ID Analysis Date: 10/1/2005

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	250	249	µg/L	99.6	65 - 135

Surrogate % Recovery Control Limits

4-Bromofluorobenzene	110	70 - 130
Dibromofluoromethane	96.9	70 - 130
Toluene-d8	103	70 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	250	236	µg/L	94.4	5.4	25.0	65 - 135

Surrogate % Recovery Control Limits

4-Bromofluorobenzene	111	70 - 130
Dibromofluoromethane	96.6	70 - 130
Toluene-d8	102	70 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court (408) 588-0200  
 Santa Clara, CA 95054 (408) 588-0201 - Fax

## Chain of Custody / Analysis Request

Attention to: <b>AILSA Le MAY</b>	Phone No.: <b>(415) 269-9515</b>	Purchase Order No.:	Invoice to: (If Different)	Phone:
Company Name: <b>KODIAK CONSULTING, LLC</b>	Fax No.: <b>(415) 840-0713</b>	Project No.:	Company:	Quote No.:
Mailing Address: <b>660 4TH ST. # 288</b>	Email Address: <b>alemay@kodiakconsulting.com</b>	Project Name: <b>SCOTTERS ALTO</b>	Billing Address: (If Different)	
City: <b>SAN FRANCISCO, CA</b>	State: <b>CA</b>	Zip Code: <b>94107</b>	Project Location: <b>3600 MACARTHUR BLVD.</b>	City:  State:  Zip:

Sampler:		Field Org. Code:		Turn Around Time		No. of Containers	GC/MS Methods					GC Methods			General Chemistry				Remarks
SAMPLER				<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> 10 Day			EPA 8260B BTEX <input checked="" type="checkbox"/> MTBE <input type="checkbox"/> TPH Gas <input checked="" type="checkbox"/> by 8260B 5 Oxygenates (MTBE, TBA, ETBA, DIFE, TAME) Lead Scavengers (1,2-DCA & EDB) <input checked="" type="checkbox"/> Ethanol Base/Neutral/Acid Organics 8270C <input type="checkbox"/> PAH - 8270C <input type="checkbox"/> PAH - 8270C SIM <input type="checkbox"/> TPH Extractable: Diesel <input checked="" type="checkbox"/> Motor Oil <input checked="" type="checkbox"/> Other <input type="checkbox"/> w/ Si-Gel Cleanup <input checked="" type="checkbox"/> Pesticides-8081 <input type="checkbox"/> TPH as Gas/BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> by 8015M/8020 Methanol by 8015M					PCBs - 8082 <input type="checkbox"/> Other <input type="checkbox"/>			Anions: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> PH <input type="checkbox"/> TSS <input type="checkbox"/> SC <input type="checkbox"/> NO3 <input type="checkbox"/> NO2 <input type="checkbox"/> PO4 <input type="checkbox"/> Metals - Circle Below Total <input type="checkbox"/> Dissolved <input type="checkbox"/> STLC <input type="checkbox"/> TCLP <input type="checkbox"/>				
Order ID:	Lab. No.	Date	Time	Matrix															
Client ID / Field Point																			
MW-1		9-19-05	1216	GW	1	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>							45369-001			
MW-2		↓	1151	↓	1	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>							002			
MW-3		↓	1233	↓	1	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>							003			

Relinquished by: <b>J. SADEH</b>	Received by: <i>[Signature]</i>	Date: <b>9-19-05</b>	Time: <b>1700</b>	Special Instructions or Comments	<input type="checkbox"/> EDD Report
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: <b>9-20-05</b>	Time: <b>0930</b>		<input checked="" type="checkbox"/> EDF Report
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: <b>9/20/05</b>	Time: <b>0920</b>		<input type="checkbox"/> Plating <input type="checkbox"/> LUFT-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> PPM-13 <input type="checkbox"/> CAM-17

**Metals:** Al, As, Sb, Ba, Be, Bi, B, Cd, Ce, Ca, Cr, Co, Cs, Cu, Fe, Pb, Mg, Mn, Ga, Ge, Hg, In, Li, Mo, Ni, P, K, Si, Ag, Na, S, Se, Sr, Ta, Te, Tl, Sn, Ti, Zn, V, W, Zr