



November 13, 2009

#3116075

Ms. Lorena Goerger, Project Manager
New Mexico Environment Department
Petroleum Storage Tank Bureau
1301 Siler Road
Building B
Santa Fe, NM 87507

**RE: ANNUAL GROUND WATER MONITORING REPORT FOR CONOCO MINI
MART, 3837 HIGHWAY 64, CHAMA, NEW MEXICO
FACILITY #27498 RID #2316 WPID #3414-2**

Dear Ms. Goerger:

The following is the seventh ground water monitoring report since the UST removal and excavation at the above referenced site. The sampling event was completed on October 14, 2009.

Included with the report are the laboratory analyses for the water samples collected from the monitoring wells associated with the release site.

If you have any questions, please call our office at (505) 325-5667. Please note that Ms. Tami Ross has left Souder, Miller & Associates, and I will be the new project manager for this site.

Sincerely,

SOUDER, MILLER & ASSOCIATES

A handwritten signature in blue ink that reads "Shawna Chubbuck". The signature is written in a cursive, flowing style.

Shawna Chubbuck
Staff Scientist

NOVEMBER 2009 GROUND WATER MONITORING REPORT

For

Conoco Mini-Mart
3837 Highway 64
Chama, New Mexico
Facility #27498 RID #2316 WPID #3414-2

November 13, 2009



Prepared For:
New Mexico Environment Department
Petroleum Storage Tank Bureau



Souder, Miller & Associates
Engineering ♦ Environmental ♦ Surveying

612 E. Murray Drive ♦ Farmington, NM 87401-6624
(505) 325-5667 ♦ fax (505) 327-1496 ♦ www.soudermiller.com

**COVER PAGE
FORM 1216
QUARTERLY MONITORING REPORT**

1. Site Name:

Conoco Mini Mart

2. Responsible party:

State Lead Site

3. Responsible party mailing address (list contact person if different):

2044 Galisteo Street
Santa Fe, NM 87505

4. Facility Number:

27498

5. Address/legal description:

3837 US Hwy 64, Chama, NM

6. Author/consulting company:

Tami Ross and Souder, Miller & Associates

7. Date of report:

November 13, 2009

8. Date of confirmation of release or date PSTB was notified of release:

May 16, 1994

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.



Shawna Chubbuck
Staff Scientist



Scott A. McKittrick, P.G.
Senior Scientist

November 13, 2009

I Introduction

A. *Scope of Work:*

This report is pursuant to the September 3, 2009, work plan approved by the New Mexico Environment Department (NMED) (WPID# 3414-2). On October 14, 2009, ground water samples were collected from eight site monitoring wells: MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, and MW-12 as shown on Figure 2. The site location is illustrated in Figure 1.

B. *This quarter's highlights, if any.*

This is the seventh sampling event since the underground storage tank (UST) removal and remedial excavation on the north side of the site. The site excavation removed 1,060 cubic yards of hydrocarbon contaminated soil. UST removal, excavation, backfill, and compaction work was completed from December 11-15, 2006.

Contaminants of concern (COC) are above New Mexico Water Quality Control Commission Regulation (NMWQCCR) standards in monitoring well MW-7 only. Concentrations of COCs have generally decreased since the last sampling event on June 1, 2009. Tables 2 summarizes the ground water sample analyses for this sampling event.

Non-aqueous phase hydrocarbon liquid (NAPL) was not present in site monitoring wells.

As reported in the letter report dated November 2, 2009, monitoring well maintenance activities of MW-3 and MW-13 were also performed on October 14, 2009. Monitoring well MW-13 was determined to be not repairable and was plugged and abandoned. Monitoring well MW-3 was located and determined to be repairable; however, the well was dry.

II Activities Performed During This Sampling Event

A. *Brief description of remediation system and date installed.*

Not applicable.

B. *Description of activities performed to keep system operating properly including: inspections, maintenance procedures and modifications, if any.*

Not applicable.

C. *Monitoring activities performed.*

Volatile Organic Monitoring

Eight site monitoring wells (MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, and MW-12) at the Conoco Mini Mart were sampled on October 14, 2009 and analyzed for volatile organics by EPA Method 8260. Figures 4 – 6 are contaminant concentration contour maps. Procedures for sampling the monitoring wells are described in Appendix 1. Laboratory results are included in Appendix 3. Analytical results are provided in Tables 2 and 3.

The highest concentration of contaminants is located in the vicinity of MW-7. Based on this information, SMA believes that the car wash may be a second source for the ground water contamination plume. Concentrations of contaminants measured in MW-7 appear to be relatively stable, showing no signs of attenuation.

Non-Aqueous Phase Liquid Monitoring

No NAPL was observed in site monitoring wells during this quarterly sampling event.

Ground Water Measurements

Seven site monitoring wells were gauged for depth to water on October 14, 2009. Field notes are included in Appendix 2. The historical ground water elevation data for the site can be found in Table 1. Figure 3 is a potentiometric surface map. In general, the direction of ground water flow is to the south at a gradient of 0.032 ft/ft. The ground water flow direction and gradient are consistent with historical monitoring results. Ground water elevations have decreased an average of 1.49 feet since the June 2009 sampling event.

III Summary and Conclusions

A. *Discussion of any trends or changes noted in analytical results or site conditions.*

This report summarizes the seventh sampling event since the UST removal and excavation. Contaminants of concern (benzene, total xylenes, and naphthalene) are above the NMWQCCR standards in monitoring wells MW-7.

Over time, concentrations of COCs have not shown a defined trend, having decreased and increased in individual monitoring wells. It is not yet apparent whether the source area excavation of December 2006 has had a beneficial effect on dissolved phase contaminants of concern.

B. Ongoing assessment of remediation system.

Not applicable for this quarterly event.

C. Recommendations.

SMA recommends the following:

1. Plugging and abandoning monitoring well MW-3.
2. Due to the fact the soils remaining in place beneath the car wash are above NMED standards for BTEX components and naphthalenes, SMA recommends demolition of the car wash and removal of the soils beneath the car wash.
3. SMA recommends continued quarterly monitoring of all site monitoring wells.

Figures

1. Vicinity Map
2. Site Map
3. Potentiometric Surface Map
4. Benzene Concentration Map
5. Total Xylenes Concentration Map
6. Total Naphthalenes Concentration Map

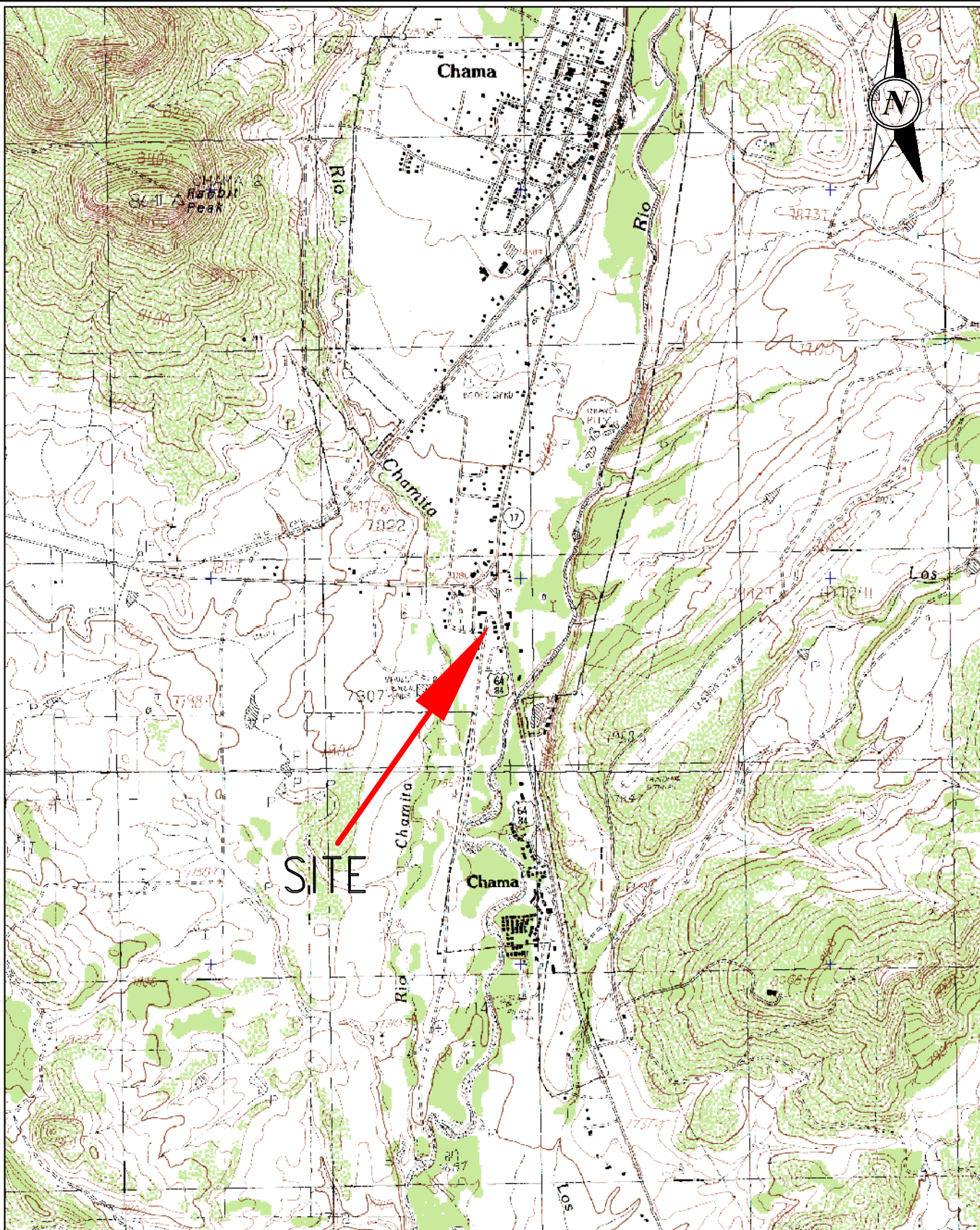
Tables

1. Summary of Ground Water Elevation Results
2. Summary of Ground Water Sample Analysis (8260)

Appendices

1. Sampling protocol
2. Field notes
3. Laboratory results

Figures



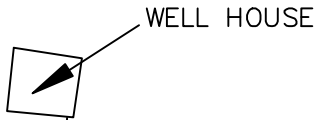
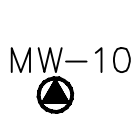
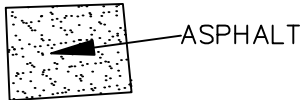
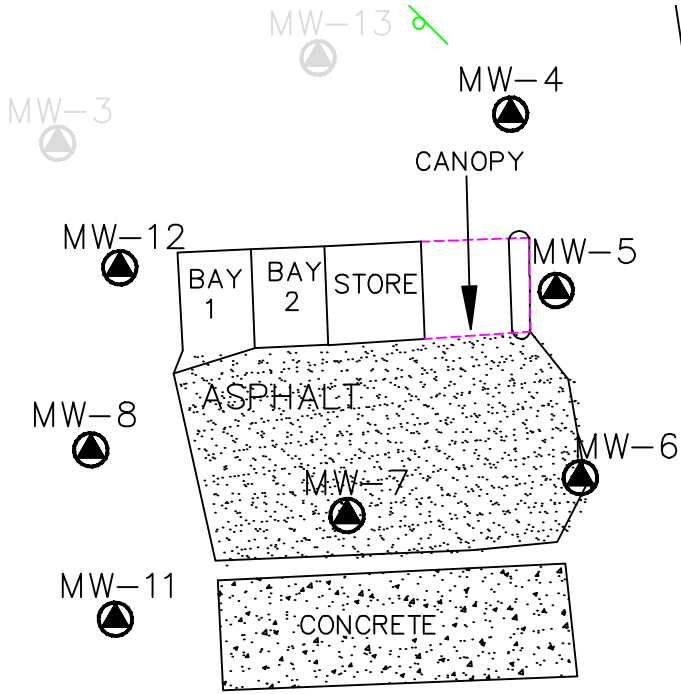
3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 700 ft Scale: 1: 24,000 Detail: 13-0 Datum: WGS84



612 E. Murray Drive
 Farmington, New Mexico 87401
 (505) 325-5667
 Santa Fe - Farmington
 Albuquerque - Las Cruces




APPROVED: RCA	DATE: 8/8/06
DRAWN BY: TROSS	DATE: 8/8/06
REVISIONS BY:	DATE:
PROJECT NO: 3116075	FIGURE: 1

VICINITY MAP
 CONOCO MINI MART
 3837 HWY 64
 CHAMA, NEW MEXICO

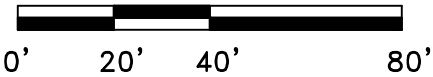


U.S. HIGHWAY 64/84

LEGEND:

- MW-11  - MONITORING WELL LOCATION
-  - SIGN
- MW-13  - UNABLE TO LOCATE/DESTROYED

SCALE

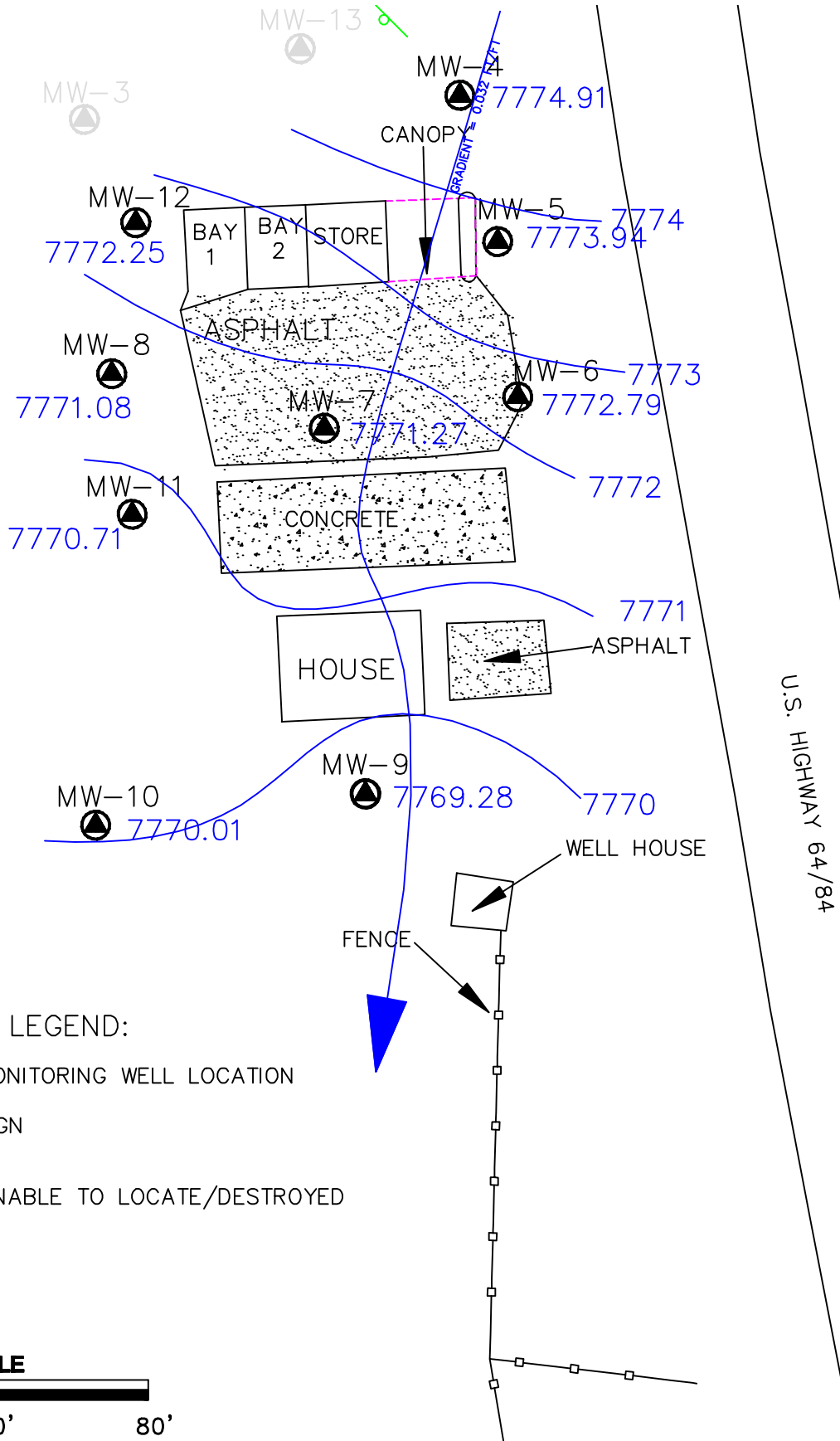


REVISED BY: TCR	DATE: 11/19/07
DRAWN BY: TLONG	DATE: 4/25/07
APPROVED: RSA	DATE: 4/25/07
PROJECT NO. 3116075	FIGURE: 2

SITE MAP

**CONOCO MINI MART
CHAMA, NEW MEXICO**

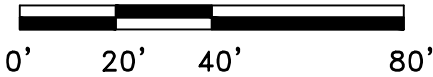




LEGEND:

- MW-11 - MONITORING WELL LOCATION
- SIGN
- MW-13 - UNABLE TO LOCATE/DESTROYED

SCALE



REVISED BY: SCHUBBUCK

DATE: 11/06/09

DRAWN BY: TLONG

DATE: 4/25/07

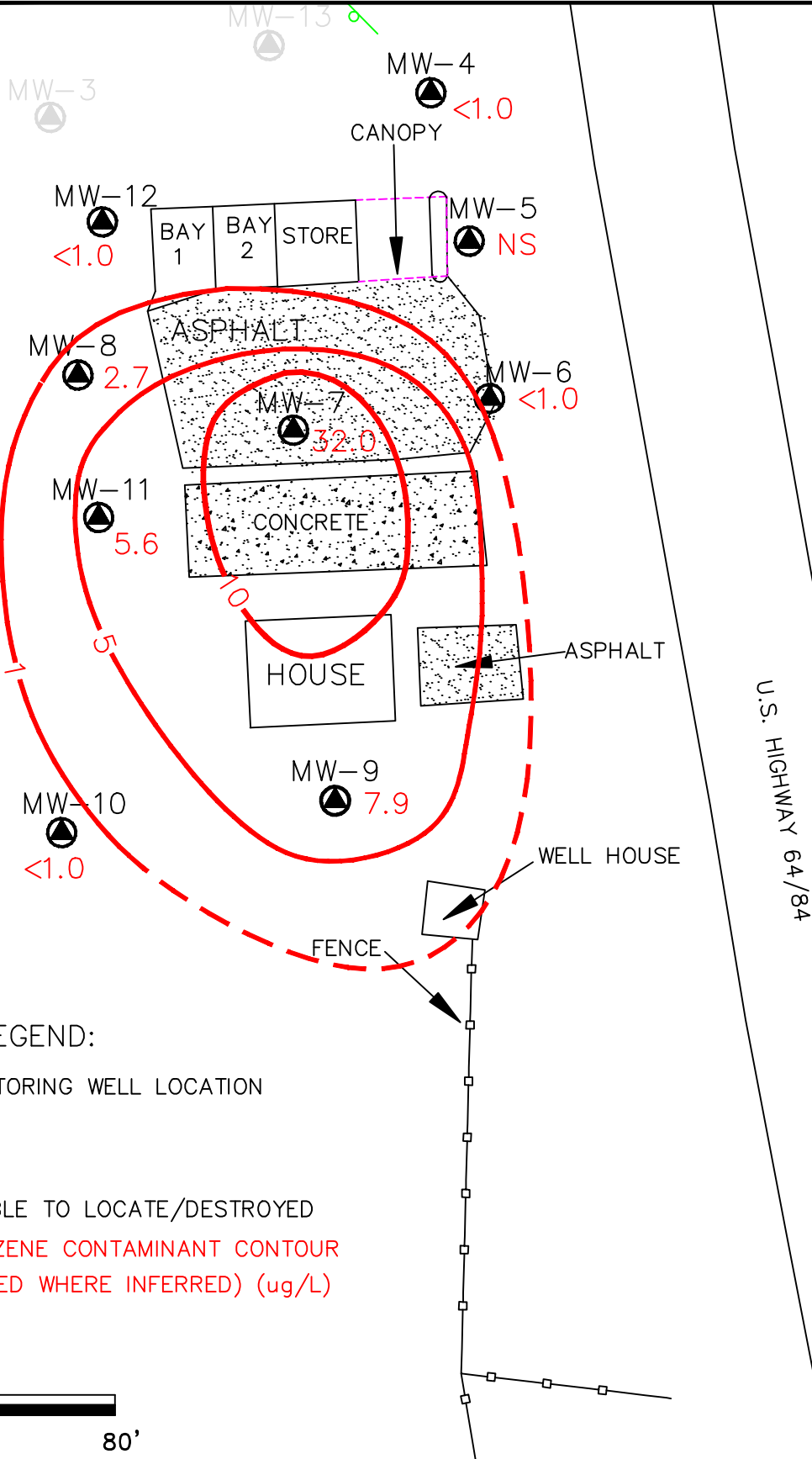
APPROVED: RSA

DATE: 07/18/08

PROJECT NO: 3116075

FIGURE: 3

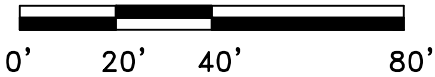
**POTENTIOMETRIC SURFACE
MAP
OCTOBER 14, 2009
CONOCO MINI MART
CHAMA, NEW MEXICO**



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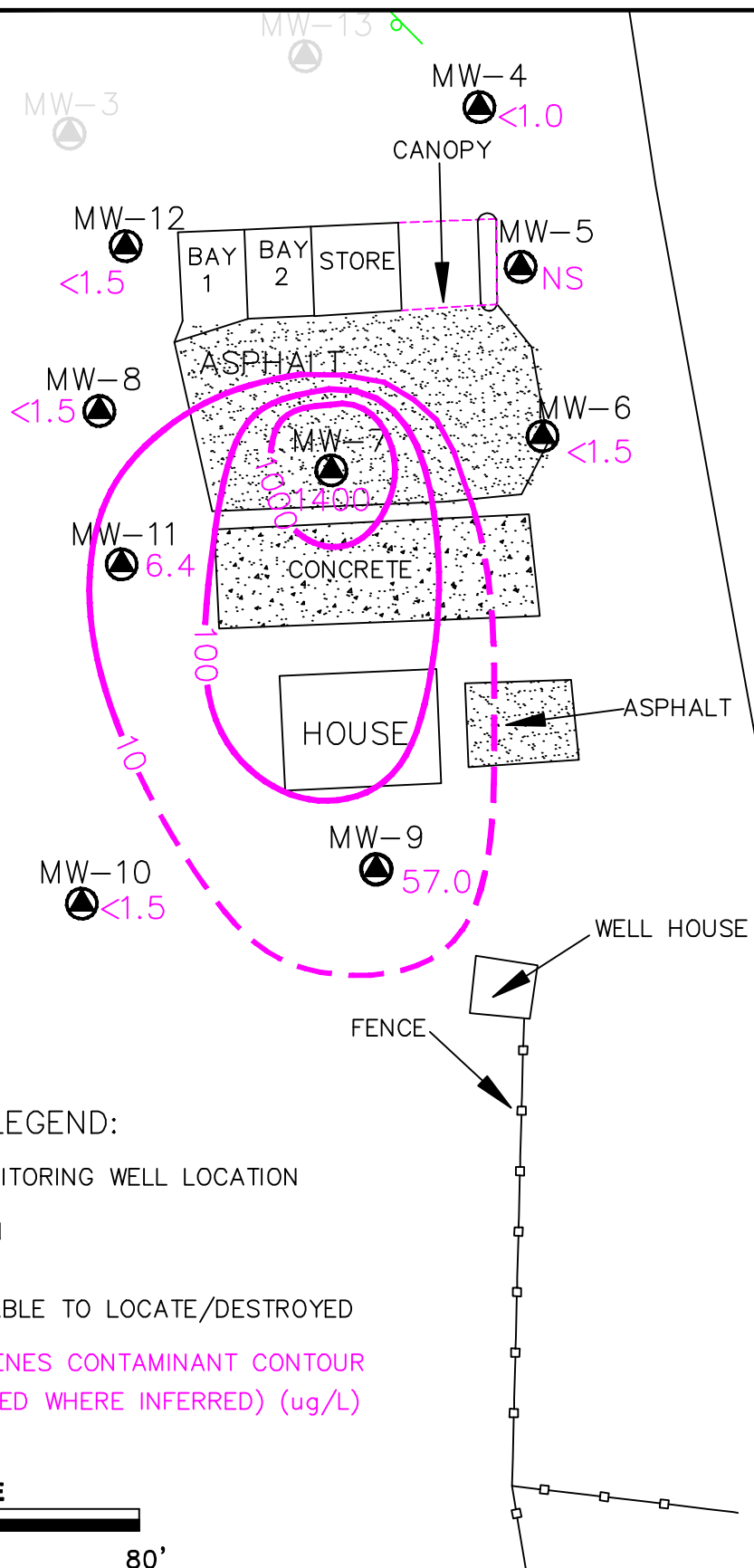
- MW-11 - MONITORING WELL LOCATION
- SIGN
- MW-13 - UNABLE TO LOCATE/DESTROYED
- BENZENE CONTAMINANT CONTOUR (DASHED WHERE INFERRED) (ug/L)

SCALE







REVISED BY: SCHUBBUCK	DATE: 11/06/09
DRAWN BY: TLONG	DATE: 4/25/07
APPROVED: RSA	DATE: 07/18/08
PROJECT NO: 3116075	FIGURE: 4

**BENZENE CONTAMINANT
CONCENTRATION MAP
OCTOBER 14, 2009
CONOCO MINI MART
CHAMA, NEW MEXICO**

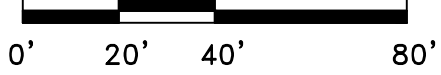


U.S. HIGHWAY 64/84

LEGEND:

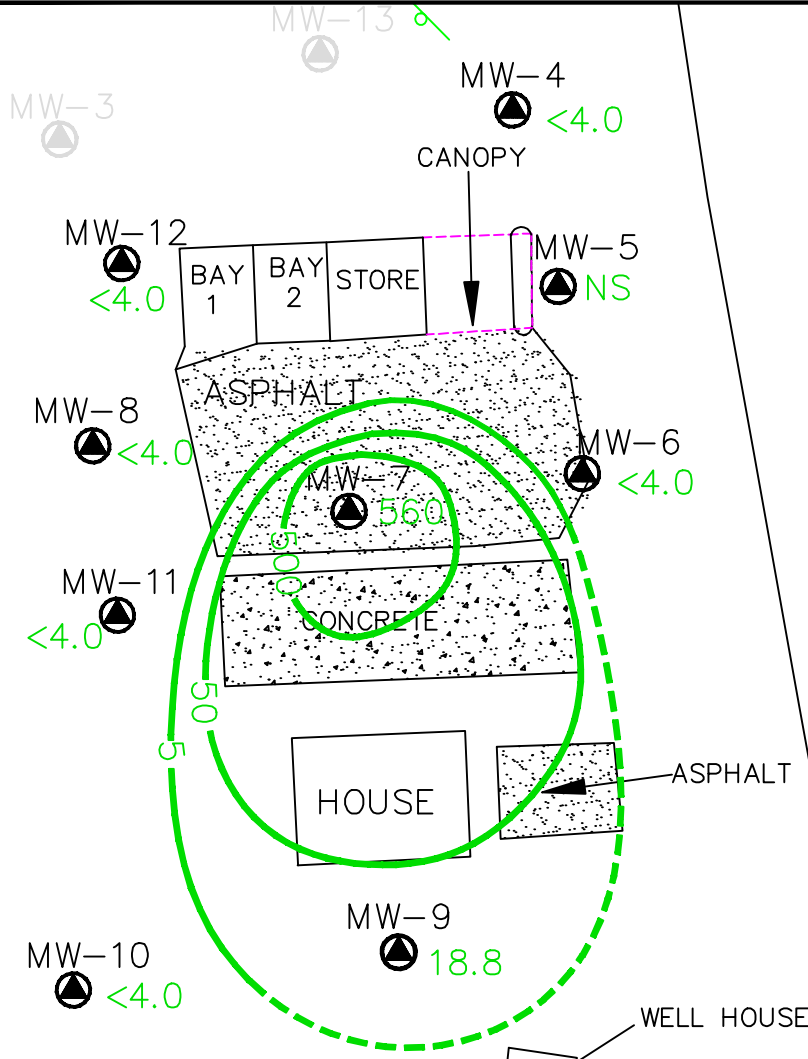
- MW-11  - MONITORING WELL LOCATION
-  - SIGN
- MW-13  - UNABLE TO LOCATE/DESTROYED
-  - XYLENES CONTAMINANT CONTOUR (DASHED WHERE INFERRED) (ug/L)

SCALE



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APPROVED: RSA	DATE: 11/19/07
PROJECT NO: 3116075	FIGURE: 5

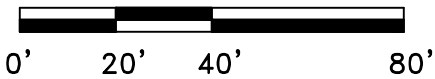
**TOTAL XYLENES CONTAMINANT
CONCENTRATION MAP
OCTOBER 14, 2009
CONOCO MINI MART
CHAMA, NEW MEXICO**



LEGEND:

- MW-11 - MONITORING WELL LOCATION
- SIGN
- MW-13 - UNABLE TO LOCATE/DESTROYED
- NAPHTHALENE ISO-CONCENTRATION CONTOUR (DASHED WHERE INFERRED (ug/L))

SCALE



REVISED BY: SCHUBBUCK	DATE: 11/06/09
DRAWN BY: TLONG	DATE: 4/25/07
APPROVED: RSA	DATE: 07/18/08
PROJECT NO: 3116075	FIGURE: 6

**TOTAL NAPHTHALENES
CONCENTRATION MAP
OCTOBER 14, 2009
CONOCO MINI MART
CHAMA, NEW MEXICO**

Tables

Table 1
Summary of Groundwater Elevation Results
Conoco Mini Mart
Chama, New Mexico

(Feet)

Monitoring Well Identification	Date	Total Depth of Well	Top of Casing	Depth to Water	Relative Water Elevation
MW-3	7/8/2005	15.50	7780.16	5.76	7774.40
	7/10/2006	15.00		6.21	7773.95
	4/4/2007	UNABLE TO LOCATE			
	10/25/2007	NOT MEASURED			
	6/1/2009	UNABLE TO LOCATE			
	10/14/2009	WELL DAMAGED, NO WATER			
MW-4	7/8/2005	15.50	7779.55	4.40	7775.15
	7/10/2006	14.94		4.58	7774.97
	4/4/2007	14.09		2.96	7776.59
	10/25/2007	NOT MEASURED			
	4/1/2008	NOT MEASURED			
	6/27/2008	NOT MEASURED			
	10/1/2008	NOT MEASURED			
	6/1/2009	NOT MEASURED			
	10/14/2009	14.85		4.64	7774.91
MW-5	7/8/2005	15.00	7779.02	5.76	7773.26
	7/10/2006	14.60		5.93	7773.09
	4/4/2007	14.65		3.39	7775.63
	10/25/2007	NOT MEASURED			
	4/1/2008	NOT MEASURED			
	6/27/2008	NOT MEASURED			
	10/1/2008	NOT MEASURED			
	6/1/2009	NOT MEASURED			
	10/14/2009	14.82		5.08	7773.94
MW-6	7/8/2005	12.00	7778.61	5.63	7772.98
	7/10/2006	11.30		5.90	7772.71
	4/4/2007	11.30		3.74	7774.87
	10/25/2007	11.29		5.31	7773.30
	4/1/2008	11.34		2.40	7776.21
	6/27/2008	11.45		5.22	7773.39
	10/1/2008	11.42		5.65	7772.96
	6/1/2009	11.50		4.81	7773.80
	10/14/2009	11.48		5.82	7772.79
MW-7	7/8/2005	12.50	7779.28	6.84	7772.44
	7/10/2006	11.90		6.59	7772.69
	4/4/2007	12.00		4.79	7774.49
	10/25/2007	11.95		7.33	7771.95
	4/1/2008	12.13		3.61	7775.67
	6/27/2008	12.12		6.96	7772.32
	10/1/2008	12.14		7.83	7771.45
	6/1/2009	12.10		6.41	7772.87
	10/14/2009	12.15		8.01	7771.27
MW-8	7/8/2005	15.00	7779.64	7.76	7771.88
	7/10/2006	14.85		7.91	7771.73
	4/4/2007	14.95		6.71	7772.93
	10/25/2007	NOT MEASURED			
	4/1/2008	NOT MEASURED			
	6/27/2008	NOT MEASURED			
	10/1/2008	NOT MEASURED			
	6/1/2009	15.00		7.15	7772.49
	10/14/2009	15.03		8.56	7771.08
MW-9	4/4/2007	11.30	7777.49	4.92	7772.57
	10/25/2007	10.52		7.26	7770.23
	4/1/2008	13.14		3.23	7774.26
	6/27/2008	12.86		6.95	7770.54
	10/1/2008	12.96		7.72	7769.77
	6/1/2009	13.65		6.23	7771.26
MW-10	10/14/2009	13.35		8.21	7769.28
	4/4/2007	13.30	7777.61	4.88	7772.73
	10/25/2007	13.17		6.75	7770.86
	4/1/2008	13.40		2.68	7774.93
	6/27/2008	13.40		6.51	7771.10
	10/1/2008	13.40		7.06	7770.55
MW-11	6/1/2009	13.40		5.83	7771.78
	10/14/2009	13.43		7.60	7770.01
	4/4/2007	12.00	7778.53	4.74	7773.79
	10/25/2007	14.81		7.83	7770.70
	4/1/2008	11.40		3.04	7775.49
	6/27/2008	11.44		6.76	7771.77
MW-12	10/1/2008	11.30		7.31	7771.22
	6/1/2009	11.60		6.19	7772.34
	10/14/2009	11.46		7.82	7770.71
	4/4/2007	13.55	7780.28	5.75	7774.53
	10/25/2007	12.84		7.60	7772.68
	4/1/2008	12.97		3.93	7776.35
	6/27/2008	13.00		7.38	7772.90
MW-13	10/1/2008	12.95		7.81	7772.47
	6/1/2009	13.00		6.98	7773.30
	10/14/2009	13.05		8.03	7772.25
	4/4/2007	13.55	7780.47	5.99	7774.48
	10/25/2007	14.51		7.57	7772.90
	4/1/2008	13.67		3.54	7776.93
	6/27/2008	13.69		7.10	7773.37
10/1/2008	13.69		7.69	7772.78	
6/1/2009	UNABLE TO LOCATE				
10/14/2009	NOT MEASURED				
AVERAGE DEPTH TO GROUNDWATER	7.09 FEET				
AVERAGE INCREASE IN ELEVATION	-1.49 FEET				

Table 2
 Summary of Groundwater Sample Analytical Results
 US EPA Method 8260
 Conoco Mini Mart
 Chama, New Mexico

Monitoring Well Identification	Method 8021/8260 (beginning October 2009)							
	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	Total Naphthalenes
MW-3	7/8/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	7/10/2006	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	
	4/4/2007	UNABLE TO LOCATE						
	10/25/2007	NOT SAMPLED						
	4/1/2008	NOT SAMPLED						
	6/27/2008	NOT SAMPLED						
	10/1/2008	NOT SAMPLED						
	6/1/2009	UNABLE TO LOCATE						
	10/14/2009	NOT SAMPLED						
NMWQCC and 20		10.0	750.0	750.0	620.0		100.0	30.00

Monitoring Well Identification	Method 8021/8260 (beginning October 2009)							
	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	Total Naphthalenes
MW-4	7/8/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	7/10/2006	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	
	4/4/2007	<2.5	<2.5	<2.5	<5.0	<5.0	<5.0	
	10/25/2007	NOT SAMPLED						
	4/1/2008	NOT SAMPLED						
	6/27/2008	NOT SAMPLED						
	10/1/2008	NOT SAMPLED						
	6/1/2009	NOT SAMPLED						
	10/14/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0
NMWQCC and 20		10.0	750.0	750.0	620.0		100.0	30.00

Monitoring Well Identification	Method 8021/8260 (beginning October 2009)							
	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	Total Naphthalenes
MW-5	7/8/2005	<1.0	4.8	210.0	940.0	1154.8	<1.0	
	7/10/2006	<0.5	1.9	142.0	255.5	399.4	1.7	
	4/4/2007	1.9	0.49	195.0	282.9	478.4	<1.0	
	10/25/2007	NOT SAMPLED						
	4/1/2008	NOT SAMPLED						
	6/27/2008	NOT SAMPLED						
	10/1/2008	NOT SAMPLED						
	6/1/2009	NOT SAMPLED						
	10/14/2009	NOT SAMPLED						
NMWQCC and 20		10.0	750.0	750.0	620.0		100.0	30.00

Monitoring Well Identification	Method 8021/8260 (beginning October 2009)							
	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	Total Naphthalenes
MW-6	7/8/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
	7/10/2006	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<0.943
	4/4/2007	<2.5	<2.5	<2.5	0.87	0.87	<5.0	<0.980
	10/25/2007	<1.0	<1.0	<1.0	<2.0	<1.0	<2.5	<6.0
	4/1/2008	<1.0	<1.0	<1.0	<2.0	<1.0	<2.5	<2.0
	6/27/2008	<1.0	<1.0	<1.0	<2.0	<1.0	<2.5	<2.0
	10/1/2008	<1.0	<1.0	<1.0	<2.0	<1.0	<2.5	<2.2
	6/1/2009	<1.0	<1.0	<1.0	<1.5	<1.5	<1.0	<2.0
	10/14/2009	<1.0	<1.0	<1.0	<1.5	<1.5	<1.0	<4.0
NMWQCC and 20		10.0	750.0	750.0	620.0		100.0	30.00

Monitoring Well Identification	Method 8021/8260 (beginning October 2009)							
	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	Total Naphthalenes
MW-7	7/8/2005	700.0	86.0	530.0	1300.0	2616.0	<10	
	7/10/2006	50.0	21.7	399.0	1264.0	1734.7	17.5	427.6
	4/4/2007	62.6	12.00	508.0	1655.00	2237.60	23.3	488.5
	10/25/2007	36.0	19.00	480.0	1400.00	1935.00	<25	220.0
	4/1/2008	48.0	18.00	530.0	1500.00	2096.00	<25	326.0
	6/27/2008	49.0	17.00	680.0	2500.00	3246.00	<25	163.0
	10/1/2008	44.0	15.00	590.0	1500.00	2149.00	<25	348.00
	6/1/2009	40.0	16.00	550.0	1500.00	2106.00	<10	214.00
	10/14/2009	32.0	14.00	610.0	1400.00	2056.00	<5.0	560.00
NMWQCC and 20		10.0	750.0	750.0	620.0		100.0	30.00

Table 2
Summary of Groundwater Sample Analytical Results
US EPA Method 8260
Conoco Mini Mart
Chama, New Mexico

Monitoring Well Identification	Method 8021/8260 (beginning October 2009)							
	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	Total Naphthalenes
MW-8	7/8/2005	49.0	42.0	600.0	1600.0	2291.0	<10	
	7/10/2006	75.8	3.7	425.0	503.0	1007.5	44.3	74.1
	4/4/2007	49.7	7.96	570.0	1126.90	1754.56	80.9	233.70
	10/25/2007	NOT SAMPLED						
	4/1/2008	NOT SAMPLED						
	6/27/2008	NOT SAMPLED						
	10/1/2008	NOT SAMPLED						
	6/1/2009	4.6	<1.0	34.0	10.00	48.60	<1.0	<2.0
10/14/2009	2.7	<1.0	1.8	<1.5	4.50	<1.0	<4.0	
NMWQCC and 20		10.0	750.0	750.0	620.0		100.0	30.00

Monitoring Well Identification	Method 8021/8260 (beginning October 2009)							
	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	Total Naphthalenes
MW-9	4/4/2007	<2.5	<2.5	<2.5	<5.0	<5.0	<5.0	<0.971
	10/25/2007	<1.0	<1.0	<1.0	<2.0	<1.0	<2.5	<6.0
	4/1/2008	<1.0	<1.0	<1.0	<2.0	<1.0	<2.5	<2.0
	6/27/2008	8.2	3.9	50.0	<2.0	62.10	<2.5	5.00
	10/1/2008	11.0	7.5	58.0	61.0	137.50	<2.5	<10
	6/1/2009	<1.0	<1.0	1.8	1.7	3.50	<1.0	<2.0
	10/14/2009	7.9	9.2	56.0	57.0	130.10	<1.0	18.8
NMWQCC and 20		10.0	750.0	750.0	620.0		100.0	30.00

Monitoring Well Identification	Method 8021/8260 (beginning October 2009)							
	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	Total Naphthalenes
MW-10	4/4/2007	<2.5	<2.5	<2.5	<5.0	<5.0	<5.0	<0.971
	10/25/2007	<1.0	<1.0	<1.0	<2.0	<1.0	<2.5	<6.0
	4/1/2008	<1.0	<1.0	<1.0	<2.0	<1.0	<2.5	<2.0
	6/27/2008	<1.0	<1.0	<1.0	<2.0	<1.0	<2.5	<2.0
	10/1/2008	<1.0	<1.0	<1.0	<2.0	<1.0	<2.5	<2.2
	6/1/2009	<1.0	<1.0	<1.0	<2.0	<1.0	<2.5	<2.0
	10/14/2009	<1.0	<1.0	<1.0	<1.5	<1.5	<1.0	<4.0
NMWQCC and 20		10.0	750.0	750.0	620.0		100.0	30.00

Monitoring Well Identification	Method 8021/8260 (beginning October 2009)							
	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	Total Naphthalenes
MW-11	4/4/2007	31.1	16.1	138.0	70.98	256.2	<5.0	52.8
	10/25/2007	21.0	5.4	280.0	13.00	319.4	17.0	14.9
	4/1/2008	11.0	<1.0	24.0	9.10	44.1	<2.5	3.1
	6/27/2008	18.0	<1.0	130.0	8.80	156.8	<2.5	5.5
	10/1/2008	9.2	<1.0	47.0	5.20	61.4	<2.5	<2.2
	6/1/2009	10.0	<1.0	24.0	5.00	39.0	<1.0	<2.0
	10/14/2009	5.6	<1.0	21.0	6.40	33.0	<1.0	<4.0
NMWQCC and 20		10.0	750.0	750.0	620.0		100.0	30.00

Monitoring Well Identification	Method 8021/8260 (beginning October 2009)							
	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	Total Naphthalenes
MW-12	4/4/2007	10.9	<2.5	43.5	129.00	183.4	<5.0	39.98
	10/25/2007	1.9	<1.0	35.0	76.00	112.9	2.7	2.1
	4/1/2008	3.2	11.0	150.0	750.00	914.2	2.5	12.0
	6/27/2008	<1.0	1.2	78.0	420.00	499.2	2.5	62.00
	10/1/2008	<1.0	<1.0	12.0	32.00	44.0	<2.5	<10
	6/1/2009	<5.0	<5.0	69.0	200.00	269.0	<5.0	30.30
	10/14/2009	<1.0	<1.0	1.8	<1.5	1.8	<1.0	<4.0
NMWQCC and 20		10.0	750.0	750.0	620.0		100.0	30.00

Monitoring Well Identification	Method 8021/8260 (beginning October 2009)							
	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	Total Naphthalenes
MW-13	4/4/2007	19.7	8.36	193.0	380.60	601.7	19.7	
	10/25/2007	1.7	<1.0	36.0	13.00	50.7	<2.5	
	4/1/2008	1.6	<1.0	32.0	89.00	122.6	<2.5	
	6/27/2008	1.5	<1.0	47.0	16.00	64.5	<2.5	
	10/1/2008	1.2	<1.0	21.0	<2.0	22.2	<2.5	
	6/1/2009	UNABLE TO LOCATE						
	10/14/2009	ABANDONED						
NMWQCC and 20		10.0	750.0	750.0	620.0		100.0	30.00

Notes:

Results in ug/L
 MTBE = Methyl Tertiary Butyl Ether
 Red indicates concentration exceeds standard
 NA = Not Analyzed

Appendix 1
Sampling Protocol

Ground water samples were collected as established in the New Mexico Underground Storage Tank Bureau Guidelines for Corrective Action promulgated March 2000.

Water levels were measured prior to sample collection using a cleaned water level probe beginning with least contaminated, or clean monitoring wells to the most contaminated monitoring wells. Water levels of each monitoring well were recorded in field form. The water level probe was rinsed three times with distilled water prior to measuring water level in each monitoring well.

Monitoring wells were purged of three well bore volumes or until the well went dry prior to sampling. Samples collected for Method 8260 were collected in 40 ml vials, preserved with mercuric chloride, labeled with the date, time, monitoring well number, and the name of the sampler, and stored on ice. Samples collected for Method 8310 were collected in 1 L amber bottles, labeled with the date, time, monitoring well number and the name of the sampler, and stored on ice. Samples collected for Method 6010 were collected in 125 mL polypropylene bottles, labeled with the date, time, monitoring well number and the name of the sampler, and stored on ice.

Sample numbers were recorded on chain of custody forms and field notebook prior to delivery to the analyzing laboratory.

Appendix 2
Field Notes, Copies

Appendix 3
Laboratory Results

COVER LETTER

Wednesday, October 21, 2009

Tami Ross
Souder, Miller and Associates
612 E Murray Dr.
Farmington, NM 87401

TEL: (505) 325-5667

FAX (505) 327-1496

RE: Mini Mart

Order No.: 0910318

Dear Tami Ross:


Hall Environmental Analysis Laboratory, Inc. received 8 sample(s) on 10/16/2009 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,



Andy Freeman, Laboratory Manager

NM Lab # NM9425

AZ license # AZ0682

ORELAP Lab # NM100001

Texas Lab# T104704424-08-TX



CLIENT: Souder, Miller and Associates
Project: Mini Mart
Lab Order: 0910318

CASE NARRATIVE

Analytical Comments for METHOD 8260_W, SAMPLE 0910318-01a: pH=7.0

Analytical Comments for METHOD 8260_W, SAMPLE 0910318-07a: pH=3.5

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
Lab Order: 0910318
Project: Mini Mart
Lab ID: 0910318-01

Client Sample ID: MW-12
Collection Date: 10/14/2009 1:21:00 PM
Date Received: 10/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Toluene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Ethylbenzene	1.8	1.0		µg/L	1	10/20/2009 8:33:43 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,2,4-Trimethylbenzene	1.7	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Naphthalene	ND	2.0		µg/L	1	10/20/2009 8:33:43 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/20/2009 8:33:43 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/20/2009 8:33:43 AM
Acetone	ND	10		µg/L	1	10/20/2009 8:33:43 AM
Bromobenzene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Bromoform	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Bromomethane	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
2-Butanone	ND	10		µg/L	1	10/20/2009 8:33:43 AM
Carbon disulfide	ND	10		µg/L	1	10/20/2009 8:33:43 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Chlorobenzene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Chloroethane	ND	2.0		µg/L	1	10/20/2009 8:33:43 AM
Chloroform	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Chloromethane	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/20/2009 8:33:43 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Dibromomethane	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/20/2009 8:33:43 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
2-Hexanone	ND	10		µg/L	1	10/20/2009 8:33:43 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
Lab Order: 0910318
Project: Mini Mart
Lab ID: 0910318-01

Client Sample ID: MW-12
Collection Date: 10/14/2009 1:21:00 PM
Date Received: 10/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: HL
EPA METHOD 8260B: VOLATILES						
Isopropylbenzene	1.0	1.0		µg/L	1	10/20/2009 8:33:43 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/20/2009 8:33:43 AM
Methylene Chloride	ND	3.0		µg/L	1	10/20/2009 8:33:43 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
n-Propylbenzene	1.8	1.0		µg/L	1	10/20/2009 8:33:43 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Styrene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/20/2009 8:33:43 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/20/2009 8:33:43 AM
Vinyl chloride	ND	1.0		µg/L	1	10/20/2009 8:33:43 AM
Xylenes, Total	ND	1.5		µg/L	1	10/20/2009 8:33:43 AM
Surr: 1,2-Dichloroethane-d4	95.2	54.6-141		%REC	1	10/20/2009 8:33:43 AM
Surr: 4-Bromofluorobenzene	94.2	60.1-133		%REC	1	10/20/2009 8:33:43 AM
Surr: Dibromofluoromethane	93.2	78.5-130		%REC	1	10/20/2009 8:33:43 AM
Surr: Toluene-d8	96.2	79.5-126		%REC	1	10/20/2009 8:33:43 AM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
Lab Order: 0910318
Project: Mini Mart
Lab ID: 0910318-02

Client Sample ID: MW-9
Collection Date: 10/14/2009 2:35:00 PM
Date Received: 10/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	7.9	1.0		µg/L	1	10/20/2009 9:01:30 AM
Toluene	9.2	1.0		µg/L	1	10/20/2009 9:01:30 AM
Ethylbenzene	56	1.0		µg/L	1	10/20/2009 9:01:30 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,2,4-Trimethylbenzene	43	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,3,5-Trimethylbenzene	18	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
Naphthalene	14	2.0		µg/L	1	10/20/2009 9:01:30 AM
1-Methylnaphthalene	4.8	4.0		µg/L	1	10/20/2009 9:01:30 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/20/2009 9:01:30 AM
Acetone	ND	10		µg/L	1	10/20/2009 9:01:30 AM
Bromobenzene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
Bromoform	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
Bromomethane	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
2-Butanone	ND	10		µg/L	1	10/20/2009 9:01:30 AM
Carbon disulfide	ND	10		µg/L	1	10/20/2009 9:01:30 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
Chlorobenzene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
Chloroethane	ND	2.0		µg/L	1	10/20/2009 9:01:30 AM
Chloroform	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
Chloromethane	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/20/2009 9:01:30 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
Dibromomethane	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/20/2009 9:01:30 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
2-Hexanone	ND	10		µg/L	1	10/20/2009 9:01:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
 Lab Order: 0910318
 Project: Mini Mart
 Lab ID: 0910318-02

Client Sample ID: MW-9
 Collection Date: 10/14/2009 2:35:00 PM
 Date Received: 10/16/2009
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: HL
EPA METHOD 8260B: VOLATILES						
Isopropylbenzene	9.1	1.0		µg/L	1	10/20/2009 9:01:30 AM
4-Isopropyltoluene	1.6	1.0		µg/L	1	10/20/2009 9:01:30 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/20/2009 9:01:30 AM
Methylene Chloride	ND	3.0		µg/L	1	10/20/2009 9:01:30 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
n-Propylbenzene	13	1.0		µg/L	1	10/20/2009 9:01:30 AM
sec-Butylbenzene	2.7	1.0		µg/L	1	10/20/2009 9:01:30 AM
Styrene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
tert-Butylbenzene	1.1	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/20/2009 9:01:30 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/20/2009 9:01:30 AM
Vinyl chloride	ND	1.0		µg/L	1	10/20/2009 9:01:30 AM
Xylenes, Total	57	1.5		µg/L	1	10/20/2009 9:01:30 AM
Surr: 1,2-Dichloroethane-d4	99.5	54.6-141		%REC	1	10/20/2009 9:01:30 AM
Surr: 4-Bromofluorobenzene	86.7	60.1-133		%REC	1	10/20/2009 9:01:30 AM
Surr: Dibromofluoromethane	95.4	78.5-130		%REC	1	10/20/2009 9:01:30 AM
Surr: Toluene-d8	101	79.5-126		%REC	1	10/20/2009 9:01:30 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Estimated value
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
Lab Order: 0910318
Project: Mini Mart
Lab ID: 0910318-03

Client Sample ID: MW-6
Collection Date: 10/14/2009 2:53:00 PM
Date Received: 10/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						
Benzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Toluene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Ethylbenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Naphthalene	ND	2.0		µg/L	1	10/20/2009 5:47:21 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/20/2009 5:47:21 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/20/2009 5:47:21 AM
Acetone	ND	10		µg/L	1	10/20/2009 5:47:21 AM
Bromobenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Bromoform	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Bromomethane	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
2-Butanone	ND	10		µg/L	1	10/20/2009 5:47:21 AM
Carbon disulfide	ND	10		µg/L	1	10/20/2009 5:47:21 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Chlorobenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Chloroethane	ND	2.0		µg/L	1	10/20/2009 5:47:21 AM
Chloroform	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Chloromethane	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/20/2009 5:47:21 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Dibromomethane	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/20/2009 5:47:21 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
2-Hexanone	ND	10		µg/L	1	10/20/2009 5:47:21 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
Lab Order: 0910318
Project: Mini Mart
Lab ID: 0910318-03

Client Sample ID: MW-6
Collection Date: 10/14/2009 2:53:00 PM
Date Received: 10/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						
Isopropylbenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/20/2009 5:47:21 AM
Methylene Chloride	ND	3.0		µg/L	1	10/20/2009 5:47:21 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Styrene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/20/2009 5:47:21 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/20/2009 5:47:21 AM
Vinyl chloride	ND	1.0		µg/L	1	10/20/2009 5:47:21 AM
Xylenes, Total	ND	1.5		µg/L	1	10/20/2009 5:47:21 AM
Surr: 1,2-Dichloroethane-d4	95.7	54.6-141		%REC	1	10/20/2009 5:47:21 AM
Surr: 4-Bromofluorobenzene	98.4	60.1-133		%REC	1	10/20/2009 5:47:21 AM
Surr: Dibromofluoromethane	94.4	78.5-130		%REC	1	10/20/2009 5:47:21 AM
Surr: Toluene-d8	96.3	79.5-126		%REC	1	10/20/2009 5:47:21 AM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
 Lab Order: 0910318
 Project: Mini Mart
 Lab ID: 0910318-04

Client Sample ID: MW-10
 Collection Date: 10/14/2009 2:19:00 PM
 Date Received: 10/16/2009
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: HL
EPA METHOD 8260B: VOLATILES						
Benzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Toluene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Ethylbenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Naphthalene	ND	2.0		µg/L	1	10/20/2009 6:15:04 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/20/2009 6:15:04 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/20/2009 6:15:04 AM
Acetone	ND	10		µg/L	1	10/20/2009 6:15:04 AM
Bromobenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Bromoform	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Bromomethane	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
2-Butanone	ND	10		µg/L	1	10/20/2009 6:15:04 AM
Carbon disulfide	ND	10		µg/L	1	10/20/2009 6:15:04 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Chlorobenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Chloroethane	ND	2.0		µg/L	1	10/20/2009 6:15:04 AM
Chloroform	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Chloromethane	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/20/2009 6:15:04 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Dibromomethane	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/20/2009 6:15:04 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
2-Hexanone	ND	10		µg/L	1	10/20/2009 6:15:04 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Estimated value
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
Lab Order: 0910318
Project: Mini Mart
Lab ID: 0910318-04

Client Sample ID: MW-10
Collection Date: 10/14/2009 2:19:00 PM
Date Received: 10/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						
Isopropylbenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/20/2009 6:15:04 AM
Methylene Chloride	ND	3.0		µg/L	1	10/20/2009 6:15:04 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Styrene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/20/2009 6:15:04 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/20/2009 6:15:04 AM
Vinyl chloride	ND	1.0		µg/L	1	10/20/2009 6:15:04 AM
Xylenes, Total	ND	1.5		µg/L	1	10/20/2009 6:15:04 AM
Surr: 1,2-Dichloroethane-d4	95.7	54.6-141		%REC	1	10/20/2009 6:15:04 AM
Surr: 4-Bromofluorobenzene	98.6	60.1-133		%REC	1	10/20/2009 6:15:04 AM
Surr: Dibromofluoromethane	97.9	78.5-130		%REC	1	10/20/2009 6:15:04 AM
Surr: Toluene-d8	93.1	79.5-126		%REC	1	10/20/2009 6:15:04 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
Lab Order: 0910318
Project: Mini Mart
Lab ID: 0910318-05

Client Sample ID: MW-8
Collection Date: 10/14/2009 1:42:00 PM
Date Received: 10/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	2.7	1.0		µg/L	1	10/20/2009 9:29:17 AM
Toluene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
Ethylbenzene	1.8	1.0		µg/L	1	10/20/2009 9:29:17 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
Naphthalene	ND	2.0		µg/L	1	10/20/2009 9:29:17 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/20/2009 9:29:17 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/20/2009 9:29:17 AM
Acetone	ND	10		µg/L	1	10/20/2009 9:29:17 AM
Bromobenzene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
Bromoform	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
Bromomethane	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
2-Butanone	ND	10		µg/L	1	10/20/2009 9:29:17 AM
Carbon disulfide	ND	10		µg/L	1	10/20/2009 9:29:17 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
Chlorobenzene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
Chloroethane	ND	2.0		µg/L	1	10/20/2009 9:29:17 AM
Chloroform	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
Chloromethane	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/20/2009 9:29:17 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
Dibromomethane	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/20/2009 9:29:17 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
2-Hexanone	ND	10		µg/L	1	10/20/2009 9:29:17 AM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
Lab Order: 0910318
Project: Mini Mart
Lab ID: 0910318-05

Client Sample ID: MW-8
Collection Date: 10/14/2009 1:42:00 PM
Date Received: 10/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: HL
EPA METHOD 8260B: VOLATILES						
Isopropylbenzene	5.1	1.0		µg/L	1	10/20/2009 9:29:17 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/20/2009 9:29:17 AM
Methylene Chloride	ND	3.0		µg/L	1	10/20/2009 9:29:17 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
n-Propylbenzene	2.5	1.0		µg/L	1	10/20/2009 9:29:17 AM
sec-Butylbenzene	4.2	1.0		µg/L	1	10/20/2009 9:29:17 AM
Styrene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/20/2009 9:29:17 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/20/2009 9:29:17 AM
Vinyl chloride	ND	1.0		µg/L	1	10/20/2009 9:29:17 AM
Xylenes, Total	ND	1.5		µg/L	1	10/20/2009 9:29:17 AM
Surr: 1,2-Dichloroethane-d4	97.3	54.6-141		%REC	1	10/20/2009 9:29:17 AM
Surr: 4-Bromofluorobenzene	106	60.1-133		%REC	1	10/20/2009 9:29:17 AM
Surr: Dibromofluoromethane	97.8	78.5-130		%REC	1	10/20/2009 9:29:17 AM
Surr: Toluene-d8	99.3	79.5-126		%REC	1	10/20/2009 9:29:17 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
 Lab Order: 0910318
 Project: Mini Mart
 Lab ID: 0910318-06

Client Sample ID: MW-4
 Collection Date: 10/14/2009 3:12:00 PM
 Date Received: 10/16/2009
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES					
Benzene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
Toluene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
Ethylbenzene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
Naphthalene	ND	2.0	µg/L	1	10/20/2009 7:10:27 AM
1-Methylnaphthalene	ND	4.0	µg/L	1	10/20/2009 7:10:27 AM
2-Methylnaphthalene	ND	4.0	µg/L	1	10/20/2009 7:10:27 AM
Acetone	ND	10	µg/L	1	10/20/2009 7:10:27 AM
Bromobenzene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
Bromodichloromethane	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
Bromoform	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
Bromomethane	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
2-Butanone	ND	10	µg/L	1	10/20/2009 7:10:27 AM
Carbon disulfide	ND	10	µg/L	1	10/20/2009 7:10:27 AM
Carbon Tetrachloride	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
Chlorobenzene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
Chloroethane	ND	2.0	µg/L	1	10/20/2009 7:10:27 AM
Chloroform	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
Chloromethane	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
2-Chlorotoluene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
4-Chlorotoluene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
cis-1,2-DCE	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	10/20/2009 7:10:27 AM
Dibromochloromethane	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
Dibromomethane	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
1,2-Dichlorobenzene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
1,3-Dichlorobenzene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
1,4-Dichlorobenzene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
Dichlorodifluoromethane	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
1,1-Dichloroethane	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
1,1-Dichloroethene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
1,2-Dichloropropane	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
1,3-Dichloropropane	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
2,2-Dichloropropane	ND	2.0	µg/L	1	10/20/2009 7:10:27 AM
1,1-Dichloropropene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
Hexachlorobutadiene	ND	1.0	µg/L	1	10/20/2009 7:10:27 AM
2-Hexanone	ND	10	µg/L	1	10/20/2009 7:10:27 AM

Analyst: HL

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Estimated value
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
Lab Order: 0910318
Project: Mini Mart
Lab ID: 0910318-06

Client Sample ID: MW-4
Collection Date: 10/14/2009 3:12:00 PM
Date Received: 10/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: HL
EPA METHOD 8260B: VOLATILES						
Isopropylbenzene	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/20/2009 7:10:27 AM
Methylene Chloride	ND	3.0		µg/L	1	10/20/2009 7:10:27 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
Styrene	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/20/2009 7:10:27 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/20/2009 7:10:27 AM
Vinyl chloride	ND	1.0		µg/L	1	10/20/2009 7:10:27 AM
Xylenes, Total	ND	1.5		µg/L	1	10/20/2009 7:10:27 AM
Surr: 1,2-Dichloroethane-d4	95.4	54.6-141		%REC	1	10/20/2009 7:10:27 AM
Surr: 4-Bromofluorobenzene	88.0	60.1-133		%REC	1	10/20/2009 7:10:27 AM
Surr: Dibromofluoromethane	94.5	78.5-130		%REC	1	10/20/2009 7:10:27 AM
Surr: Toluene-d8	95.9	79.5-126		%REC	1	10/20/2009 7:10:27 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
Lab Order: 0910318
Project: Mini Mart
Lab ID: 0910318-07

Client Sample ID: MW-11
Collection Date: 10/14/2009 2:00:00 PM
Date Received: 10/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: HL
EPA METHOD 8260B: VOLATILES						
Benzene	5.6	1.0		µg/L	1	10/20/2009 7:38:08 AM
Toluene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
Ethylbenzene	21	1.0		µg/L	1	10/20/2009 7:38:08 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
Naphthalene	ND	2.0		µg/L	1	10/20/2009 7:38:08 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/20/2009 7:38:08 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/20/2009 7:38:08 AM
Acetone	ND	10		µg/L	1	10/20/2009 7:38:08 AM
Bromobenzene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
Bromoform	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
Bromomethane	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
2-Butanone	ND	10		µg/L	1	10/20/2009 7:38:08 AM
Carbon disulfide	ND	10		µg/L	1	10/20/2009 7:38:08 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
Chlorobenzene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
Chloroethane	ND	2.0		µg/L	1	10/20/2009 7:38:08 AM
Chloroform	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
Chloromethane	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/20/2009 7:38:08 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
Dibromomethane	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/20/2009 7:38:08 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
2-Hexanone	ND	10		µg/L	1	10/20/2009 7:38:08 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
 Lab Order: 0910318
 Project: Mini Mart
 Lab ID: 0910318-07

Client Sample ID: MW-11
 Collection Date: 10/14/2009 2:00:00 PM
 Date Received: 10/16/2009
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: HL
EPA METHOD 8260B: VOLATILES						
Isopropylbenzene	3.1	1.0		µg/L	1	10/20/2009 7:38:08 AM
4-isopropyltoluene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/20/2009 7:38:08 AM
Methylene Chloride	ND	3.0		µg/L	1	10/20/2009 7:38:08 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
n-Propylbenzene	4.4	1.0		µg/L	1	10/20/2009 7:38:08 AM
sec-Butylbenzene	1.8	1.0		µg/L	1	10/20/2009 7:38:08 AM
Styrene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/20/2009 7:38:08 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/20/2009 7:38:08 AM
Vinyl chloride	ND	1.0		µg/L	1	10/20/2009 7:38:08 AM
Xylenes, Total	6.4	1.5		µg/L	1	10/20/2009 7:38:08 AM
Surr: 1,2-Dichloroethane-d4	98.9	54.6-141		%REC	1	10/20/2009 7:38:08 AM
Surr: 4-Bromofluorobenzene	102	60.1-133		%REC	1	10/20/2009 7:38:08 AM
Surr: Dibromofluoromethane	99.3	78.5-130		%REC	1	10/20/2009 7:38:08 AM
Surr: Toluene-d8	95.8	79.5-126		%REC	1	10/20/2009 7:38:08 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Estimated value
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
 Lab Order: 0910318
 Project: Mini Mart
 Lab ID: 0910318-08

Client Sample ID: MW-7
 Collection Date: 10/14/2009 3:30:00 PM
 Date Received: 10/16/2009
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: HL
EPA METHOD 8260B: VOLATILES						
Benzene	32	5.0		µg/L	5	10/20/2009 9:57:05 AM
Toluene	14	5.0		µg/L	5	10/20/2009 9:57:05 AM
Ethylbenzene	610	100		µg/L	100	10/20/2009 8:05:55 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,2,4-Trimethylbenzene	750	100		µg/L	100	10/20/2009 8:05:55 AM
1,3,5-Trimethylbenzene	300	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
Naphthalene	300	10		µg/L	5	10/20/2009 9:57:05 AM
1-Methylnaphthalene	80	20		µg/L	5	10/20/2009 9:57:05 AM
2-Methylnaphthalene	180	20		µg/L	5	10/20/2009 9:57:05 AM
Acetone	ND	50		µg/L	5	10/20/2009 9:57:05 AM
Bromobenzene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
Bromodichloromethane	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
Bromoform	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
Bromomethane	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
2-Butanone	ND	50		µg/L	5	10/20/2009 9:57:05 AM
Carbon disulfide	ND	50		µg/L	5	10/20/2009 9:57:05 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
Chlorobenzene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
Chloroethane	ND	10		µg/L	5	10/20/2009 9:57:05 AM
Chloroform	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
Chloromethane	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
2-Chlorotoluene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
4-Chlorotoluene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
cis-1,2-DCE	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	10/20/2009 9:57:05 AM
Dibromochloromethane	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
Dibromomethane	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
2,2-Dichloropropane	ND	10		µg/L	5	10/20/2009 9:57:05 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
2-Hexanone	ND	50		µg/L	5	10/20/2009 9:57:05 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Estimated value
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-09

CLIENT: Souder, Miller and Associates
 Lab Order: 0910318
 Project: Mini Mart
 Lab ID: 0910318-08

Client Sample ID: MW-7
 Collection Date: 10/14/2009 3:30:00 PM
 Date Received: 10/16/2009
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: HL
EPA METHOD 8260B: VOLATILES						
Isopropylbenzene	43	5.0		µg/L	5	10/20/2009 9:57:05 AM
4-Isopropyltoluene	26	5.0		µg/L	5	10/20/2009 9:57:05 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	10/20/2009 9:57:05 AM
Methylene Chloride	ND	15		µg/L	5	10/20/2009 9:57:05 AM
n-Butylbenzene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
n-Propylbenzene	80	5.0		µg/L	5	10/20/2009 9:57:05 AM
sec-Butylbenzene	12	5.0		µg/L	5	10/20/2009 9:57:05 AM
Styrene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
tert-Butylbenzene	6.4	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	10/20/2009 9:57:05 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
trans-1,2-DCE	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	10/20/2009 9:57:05 AM
Vinyl chloride	ND	5.0		µg/L	5	10/20/2009 9:57:05 AM
Xylenes, Total	1400	150		µg/L	100	10/20/2009 8:05:55 AM
Surr: 1,2-Dichloroethane-d4	95.4	54.6-141		%REC	5	10/20/2009 9:57:05 AM
Surr: 4-Bromofluorobenzene	73.0	60.1-133		%REC	5	10/20/2009 9:57:05 AM
Surr: Dibromofluoromethane	95.7	78.5-130		%REC	5	10/20/2009 9:57:05 AM
Surr: Toluene-d8	95.1	79.5-126		%REC	5	10/20/2009 9:57:05 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

QA/QC SUMMARY REPORT

Client: Souder, Miller and Associates
 Project: Mini Mart

Work Order: 0910318

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb

MBLK

Batch ID: R35790 Analysis Date: 10/19/2009 8:59:35 AM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	1.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0
Chloromethane	ND	µg/L	1.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0

Qualifiers:

E Estimated value
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Page 1

QA/QC SUMMARY REPORT

Client: Souder, Miller and Associates
 Project: Mini Mart

Work Order: 0910318

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb

MBLK

Batch ID: R35790 Analysis Date: 10/19/2009 8:59:35 AM

4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0
Trichloroethene (TCE)	ND	µg/L	1.0
Trichlorofluoromethane	ND	µg/L	1.0
1,2,3-Trichloropropane	ND	µg/L	2.0
Vinyl chloride	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	1.5

Batch ID: R35790 Analysis Date: 10/20/2009 12:15:04 AM

Sample ID: b6

MBLK

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	1.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0

Qualifiers:

E Estimated value
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Souder, Miller and Associates
 Project: Mini Mart

Work Order: 0910318

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Batch ID: R35790 Analysis Date: 10/20/2009 12:15:04 AM

Sample ID: b6

MBLK

Chloromethane	ND	µg/L	1.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0
4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0
Trichloroethene (TCE)	ND	µg/L	1.0
Trichlorofluoromethane	ND	µg/L	1.0
1,2,3-Trichloropropane	ND	µg/L	2.0
Vinyl chloride	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	1.5

Sample ID: 100ng lcs

LCS

Batch ID: R35790 Analysis Date: 10/19/2009 1:04:50 PM

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Souder, Miller and Associates
Project: Mini Mart

Work Order: 0910318

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 100ng lcs	<i>LCS</i>					Batch ID: R35790	Analysis Date: 10/19/2009 1:04:50 PM
Benzene	19.60	µg/L	1.0	20	0	98.0	76.7 114
Toluene	21.47	µg/L	1.0	20	0	107	78.4 117
Chlorobenzene	20.91	µg/L	1.0	20	0	105	80.7 127
1,1-Dichloroethene	21.91	µg/L	1.0	20	0	110	80.2 128
Trichloroethene (TCE)	19.77	µg/L	1.0	20	0	98.8	77.4 115

Sample ID: 100ng lcs_b	<i>LCS</i>					Batch ID: R35790	Analysis Date: 10/20/2009 1:10:28 AM
Benzene	18.88	µg/L	1.0	20	0	94.4	76.7 114
Toluene	20.53	µg/L	1.0	20	0	103	78.4 117
Chlorobenzene	19.99	µg/L	1.0	20	0	99.9	80.7 127
1,1-Dichloroethene	20.99	µg/L	1.0	20	0	105	80.2 128
Trichloroethene (TCE)	16.66	µg/L	1.0	20	0	83.3	77.4 115

Qualifiers:

- | | |
|--|--|
| E Estimated value | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| R RPD outside accepted recovery limits | S Spike recovery outside accepted recovery limits |

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **SMA-FARM**

Date Received:

10/16/2009

Work Order Number **0910318**

Received by: **TLS**

Checklist completed by: _____

Signature

Date

Sample ID labels checked by: _____

Initials

Matrix:

Carrier name: Greyhound

- | | | | | |
|---|---|---|---|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | Not Shipped <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input checked="" type="checkbox"/> | | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | Number of preserved bottles checked for pH: _____ |
| Water - VOA vials have zero headspace? | No VOA vials submitted <input type="checkbox"/> | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Water - Preservation labels on bottle and cap match? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | <2 >12 unless noted below. |
| Container/Temp Blank temperature? | 6.3° | <6° C Acceptable
If given sufficient time to cool. | | |

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: head #8 had 2 broken voa vials upon arrival, TS 10/16/09

Corrective Action _____

