



January 3, 2022

RECEIVED

By pstb.inbox at 5:47 pm, Jan 03, 2022

#3330252

Michael Boulay
New Mexico Environment Department
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505
michael.boulay@state.nm.us

**RE: WPID 4222-1 Pre-Injection Groundwater Sampling Summary Letter
Halsell's Grocery State-Lead Site, 112 School Road, Hatch, New Mexico
Facility # 6053 Release ID # 287**

Dear Mr. Boulay:

This letter summarizes the pre-injection groundwater sampling described in the workplan dated October 14, 2021. Included with this letter are field and laboratory summary tables, a graph showing the relationship between groundwater elevations and benzene concentrations for MW-1, field notes, the Hall Environmental Analysis Laboratory report, health and safety plan, and signed property access form. Historical sampling data can be found in the December 2019 Groundwater Monitoring Report by Haller & Associates, Inc.

On December 6, 2021, Souder, Miller & Associates (SMA) completed the sampling in accordance with the approved workplan. There were no significant deviations from the workplan or the standards of practice that typically govern groundwater sampling.

Depth to Water and NAPL Measurements

Average depth to groundwater was measured at 12.59 feet below ground surface, down approximately two feet since the wells were last measured in November 2019. The groundwater gradient was to the southeast at approximately 0.0018. Non-aqueous phase liquids (NAPL) were not observed in any of the monitoring wells.

Analytical Data

Key volatile organic compounds (VOCs) were not detected in any of the wells above their applicable standards (NMAC¹ 20.6.2.3103). VOCs were not detected in MW-2 and MW-3. Two VOCs were present at detectable concentrations in MW-1; ethylbenzene was detected at 24 µg/l and 1,2,4-trimethylbenzene was detected at 3.3 µg/L. This was the first sampling event since November 2002 that benzene was reported below its respective standard, however MW-1 was observed to have a hydrocarbon odor during the December 6, 2021 sampling event.

¹ NMAC-New Mexico Administrative Code

Physical and Chemical Trends

Water levels generally appear to be decreasing from 2000 to 2021. Over the same time frame there is significant variability in the water levels, which may be explained by the proximity to the Rio Grande River and river valley geology (unconsolidated, fluvially deposited, silts, sands and gravel). The combination of distance to the river and geology is likely to result in relatively rapid response times between flow in the river and water levels in the wells. However, it is important to note that the NAPL was detected in MW-1 from 2011 to 2017 when the water level was at its lowest point in 21 years.

Dissolved phase VOC concentrations do not show a clear correlation to water levels at the site.



If you have any questions with the results or site conditions, please contact Stephanie or Jay.

Sincerely,

MILLER ENGINEERS, INC. D.B.A.
SOUDER, MILLER AND ASSOCIATES

Handwritten signature of Stephanie Hinds in blue ink.

Stephanie Hinds, P.E.
Project Engineer
Stephanie.hinds@soudermiller.com

Handwritten signature of R. Jay Vanlandingham in blue ink.

R. Jay Vanlandingham, R.G.
Senior Geoscientist
jay.vanlandingham@soudermiller.com

Enc: Table 1. Groundwater Elevations
Table 2. Key VOC Concentrations
Table 3. Groundwater Field Parameters
MW-1 Groundwater Elevations and Benzene Concentrations Graph
Field Notes
Hall Environmental Analysis Laboratory Report
Health and Safety Plan
Property Access

Table 1. Groundwater Elevations

Well ID	Date	Top of Casing (ft)	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Relative Water Elevation (ft)
MW-1	12/6/2021	4054.98	--	12.67	0.00	4042.31
MW-2	12/6/2021	4054.54	--	12.60	0.00	4041.94
MW-3	12/6/2021	4054.85	--	12.50	0.00	4042.35

-- NAPL not detected

Top of casing elevation data obtained from Haller & Associates, Inc. Groundwater Monitoring Report (December 13, 2019)

Table 2. Key VOC Concentrations

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total Naphthalenes (µg/L)	1,3,5-TMB (µg/L)	1,2,4-TMB (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)
Laboratory Testing Method		EPA Method 8260B									
NMAC 20.6.2.3103 Standard		5	1000	700	620	30	No std.	No std.	100	5	0.05
MW-1	12/6/2021	<2.0	<2.0	24	<5.0	<27	<2.0	3.3	<5.0	<2.0	<2.0
MW-2	12/6/2021	<1.0	<1.0	<1.0	<1.5	<10.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-3	12/6/2021	<1.0	<1.0	<1.0	<1.5	<10.0	<1.0	<1.0	<1.0	<1.0	<1.0

TMB: Trimethylbenzene

MTBE: Methyl tert-butyl ether

EDC: 1,2-Dichloroethane

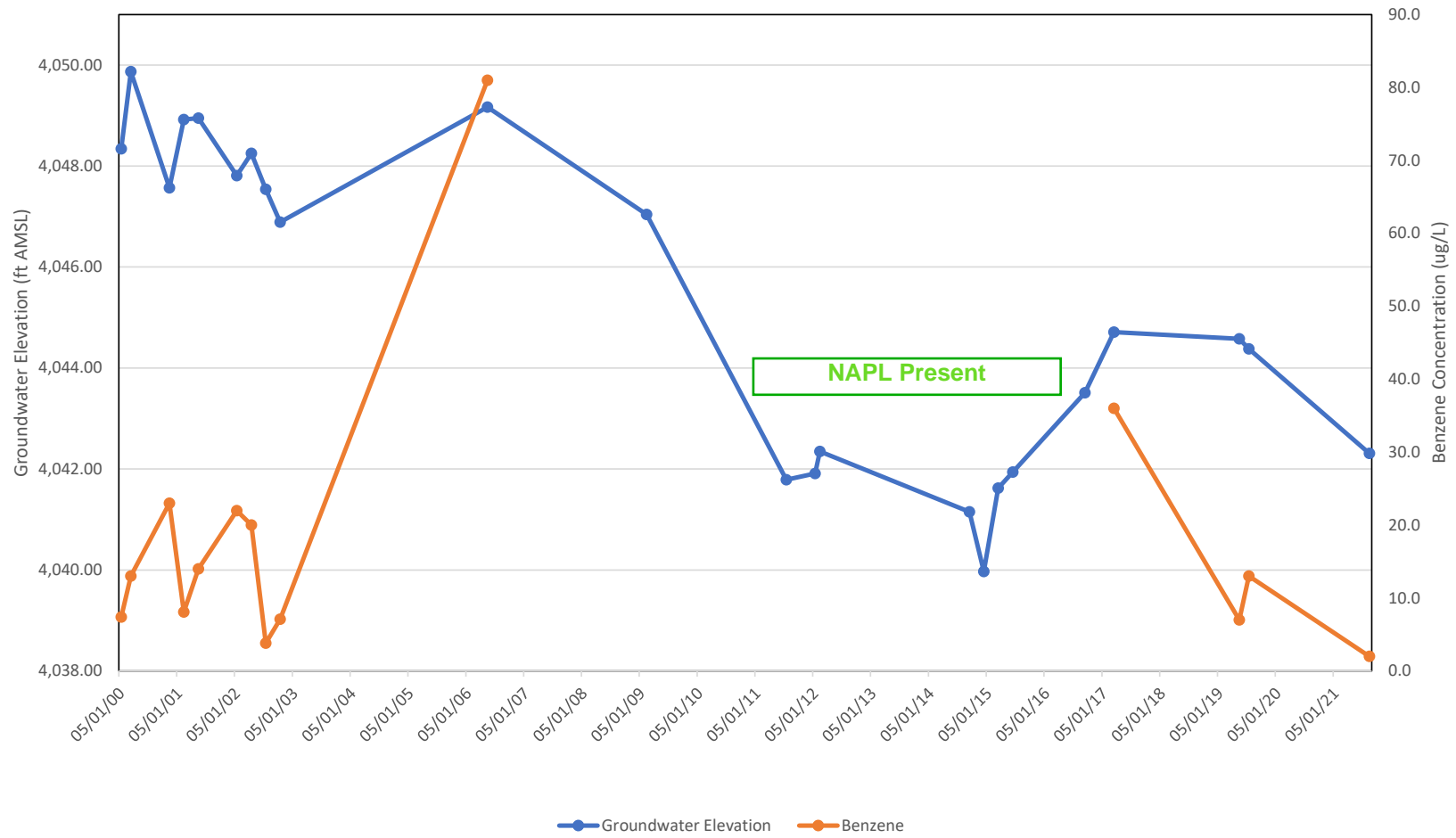
EDB: 1,2-Dibromoethane

Table 3. Groundwater Field Parameters

Well ID	Date	Final Purge Volume (gal)	Temperature (°C)	pH	Specific Conductance (µS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Color/Clarity	Other
MW-1	12/6/2021	4	23.33	7.56	1534	-252.40	1.63	clear	hydrocarbon odor
MW-2	12/6/2021	4	23.20	7.5	1555	-111.70	1.61	yellow	no odor
MW-3	12/6/2021	4	22.50	7.58	1927	-14.40	1.66	cloudy/black	no odor

Data prior to collecting sample. For additional field parameters, refer to Monitoring Well Sampling Field Form.

MW-1 Groundwater Elevations and Benzene Concentrations



Note: Benzene not analyzed during 6/02/2009 or 5/31/2012 sampling events. NAPL detected in MW-1 between 11/22/2011-1/18/2017.

Halsell's Grocery

12/6/21

Pre-injection Groundwater Monitoring
PO: 33309.52 Task 1

Personel:

Alicia A Lopez

Equipment:

Interface probe

Disposable bailer (3)

YSI multi parameter meter

Analysis:

Method 8260B - VOCs

Location:

112 School St. Hatch, NM

Facility #6053, RID #287

Safety:

Electronic JHA completed

07:00 arrive at office; gather equipment
and paperwork; mobilize to site

08:30 arrive on site; completed JHA
Began gauging wells

MW-1

DTW = 12.67

DTN = No NAPL Detected

TD = 19.68

MW-3

DTW = 12.50

No NAPL Detected

TD = 19.92

MW-2 is covered by concrete. Began
using chisel tool + hammer to uncover
well

10:30 I was able to uncover MW-2

MW-2

DTW = 12.60

No NAPL Detected

TD = 20.0

10:45 Began purging + monitoring MW-2
(See Field sheet for multiparameter readings)

-Purged a total of 4 gallons from MW-2

11:45 sample time for MW-2

-replaced missing well plug
-Samples placed in cooler with ice until shipment

-decon equipment before moving to next well

-purged water dumped on concrete in plume area

12:00 began purging + monitoring MW-3
(see field sheet)

-Purged a total of 4 gallons

1:00 sample time for MW-3

-Samples placed in cooler

-purged water disposed of on concrete away from storm drains

-decon equipment

1:30 began purging + monitoring MW-1
(see field sheet)

-purged 4 gallons

-purged water disposed of on concrete

2:20 Sample time for MW-1

-Samples placed in cooler

-Decon all equipment

-mobilize back to Las Cruces

3:15 packed cooler + filled out COC for shipment to Hall Environmental Lab

3:45 shipped cooler to HEAL via FedEx overnight.

returned to office

-upload A&E notes + meet w/PM

5:00 End of day

AAI 12/6/21



MONITORING WELL SAMPLING FIELD FORM

Well I.D.: MW-1

Project Number: 3330252 Task 1

Site: Halsell's Grocery

Time & Date gauged: 8:30 AM 12/6/21

Depth to NAPL: N/A

Depth to Water: 12.67

Height of Fluid Column: 7.01

Total Depth: 19.68

Volume in Well: 1.14

Well Diameter: 2"

3 Casing Volumes 3.42

Water Quality Measurements								
Time	Volume Purged (gal)	Temp. (°C)	pH	Conductivity (µS)	ORP (mV)	DO (mg/L)	Color / Clarity or NTU	Other
1:30	0	23.52	7.20	1529	-235.4	1.64	clear	HC odor
1:35	0.5	23.80	7.27	1535	-294.1	1.62	clear	HC odor
1:40	1	23.26	7.50	1549	-282.0	1.66	clear	HC odor
1:45	1.5	23.65	7.45	1531	-271.5	1.63	clear	HC odor
1:50	2	23.54	7.48	1527	-258.1	1.63	clear	HC odor
1:55	2.5	23.52	7.56	1536	-255.8	1.62	clear	HC odor
2:00	3	23.36	7.46	1540	-254.0	1.62	clear	HC odor
2:05	3.5	23.53	7.49	1544	-255.1	1.61	clear	HC odor
2:10	4	23.33	7.56	1534	-252.4	1.63	clear	HC odor

Sample Date/Time 2:20 12/6/21

Sampler Name Alicia Lopez

Analytes/Methods: 8260B

Equipment used: Interface probe, multiparameter DO meter, disposable bailer, mason jar

Table 1: Volume of Casing or Hole per ft (K)								
Diameter (Inches)	Gallons per ft	ft ³ per ft	Diameter (Inches)	Gallons per ft	ft ³ per ft	Diameter (Inches)	Gallons per ft	ft ³ per ft
1	0.041	0.0055	4	0.653	0.0873	8	2.611	0.3491
1 ½	0.092	0.0123	4 ½	0.826	0.1104	9	3.305	0.4418
2	0.163	0.0218	5	1.02	0.1364	10	4.08	0.5454
2 ½	0.255	0.0341	5 ½	1.234	0.165	11	4.937	0.66
3	0.367	0.0491	6	1.469	0.1963	12	5.875	0.7854
3 ½	0.5	0.0668	7	2	0.2673	14	8	1.069

1 gal = 3.785 L

1 yd³ soil = 1.5 tons

1 m = 3.281 ft

55-gal drum loose soil = 7.26 ft³ = .27 yd³ = 0.4 tons

1 gal = 8.33 lbs = 3.785 kg

Loose soil volume = 1.4 x borehole volume

1 ft Water = .433 psi

55-gal drum loose soil = 7.26 ft³ = .27 yd³ = 0.4 tons

1 gal/ft = 12.419 L/ft

Loose soil volume = 1.4 x borehole volume

1 gal/m = 12.419 x 10⁻³ m³/m



MONITORING WELL SAMPLING FIELD FORM

Well I.D.: MW-2

Project Number: 3330252 Task 1

Site: Halsell's Grocery

Time & Date gauged: 10:30 am 12/6/21

Depth to NAPL: N/A

Depth to Water: 12.60

Height of Fluid Column: 7.40

Total Depth: 20.00

Volume in Well: 1.20

Well Diameter: 2"

3 Casing Volumes 3.60

Water Quality Measurements								
Time	Volume Purged (gal)	Temp. (°C)	pH	Conductivity (µS)	ORP (mV)	DO (mg/L)	Color / Clarity or NTU	Other
11:00	0	22.89	7.17	1588	34.3	1.62	Yellow	No odor
11:05	.5	23.32	7.28	1568	-45.4	1.60	Yellow	No odor
11:10	1	23.39	7.45	1559	-90.0	1.60	Yellow	No odor
11:15	1.5	23.50	7.48	1558	-106.5	1.60	Yellow	No odor
11:20	2	23.17	7.50	1558	-104.6	1.60	Yellow	No odor
11:25	2.5	23.03	7.47	1558	-102.8	1.60	Yellow	No odor
11:30	3	23.39	7.48	1558	-109.0	1.59	Yellow	No odor
11:35	3.5	23.28	7.51	1560	-111.1	1.60	Yellow	No odor
11:40	4	23.20	7.50	1555	-111.7	1.61	Yellow	No odor

Sample Date/Time: 11:45 am 12/6/21

Sampler Name: Alicia A. Lopez

Analytes/Methods: 8260B (VOCs)

Equipment used: interface probe, disposable bailer, mason jar, multi-parameter meter

Table 1: Volume of Casing or Hole per ft (K)								
Diameter (Inches)	Gallons per ft	ft ³ per ft	Diameter (Inches)	Gallons per ft	ft ³ per ft	Diameter (Inches)	Gallons per ft	ft ³ per ft
1	0.041	0.0055	4	0.653	0.0873	8	2.611	0.3491
1 ½	0.092	0.0123	4 ½	0.826	0.1104	9	3.305	0.4418
2	0.163	0.0218	5	1.02	0.1364	10	4.08	0.5454
2 ½	0.255	0.0341	5 ½	1.234	0.165	11	4.937	0.66
3	0.367	0.0491	6	1.469	0.1963	12	5.875	0.7854
3 ½	0.5	0.0668	7	2	0.2673	14	8	1.069

1 gal = 3.785 L

1 yd³ soil = 1.5 tons

1 m = 3.281 ft

55-gal drum loose soil = 7.26 ft³ = .27 yd³ = 0.4 tons

1 gal = 8.33 lbs = 3.785 kg

Loose soil volume = 1.4 x borehole volume

1 ft Water = .433 psi

55-gal drum loose soil = 7.26 ft³ = .27 yd³ = 0.4 tons

1 gal/ft = 12.419 L/ft

Loose soil volume = 1.4 x borehole volume

1 gal/m = 12.419 x 10⁻³ m³/m



MONITORING WELL SAMPLING FIELD FORM

Well I.D.: MW-3

Project Number: 3330252 Task 1

Site: Halsell's Grocery

Time & Date gauged: 8:30am 12/6/21

Depth to NAPL: N/A

Depth to Water: 12.50

Height of Fluid Column: 7.42

Total Depth: 19.92

Volume in Well: 1.20

Well Diameter: 2"

3 Casing Volumes 3.60

Water Quality Measurements								
Time	Volume Purged (gal)	Temp. (°C)	pH	Conductivity (µS)	ORP (mV)	DO (mg/L)	Color / Clarity or NTU	Other
12:10	0	23.10	7.47	1876	40.5	1.64	clear	No odor
12:15	.5	22.80	7.64	1874	19.1	1.68	cloudy / Black	No odor
12:20	1	22.75	7.74	1872	39.6	1.73	cloudy / Black	No odor
12:25	1.5	23.04	7.53	1911	7.3	1.65	cloudy / Black	No odor
12:30	2	23.03	7.65	1903	-25.9	1.67	cloudy / Black	No odor
12:35	2.5	22.27	7.63	1907	-2.6	1.67	cloudy / Black	No odor
12:40	3	22.72	7.60	1899	-16.6	1.65	cloudy / Black	No odor
12:45	3.5	22.71	7.67	1903	-16.7	1.66	cloudy / Black	No odor
12:50	4	22.50	7.58	1927	-14.4	1.66	cloudy / Black	No odor

Sample Date/Time: 1:00 12/6/21

Sampler Name: Alicia Lopez

Analytes/Methods: 8260B

Equipment used: Interface probe, disposable bailer, Multi parameter meter

Table 1: Volume of Casing or Hole per ft (K)								
Diameter (Inches)	Gallons per ft	ft ³ per ft	Diameter (Inches)	Gallons per ft	ft ³ per ft	Diameter (Inches)	Gallons per ft	ft ³ per ft
1	0.041	0.0055	4	0.653	0.0873	8	2.611	0.3491
1½	0.092	0.0123	4½	0.826	0.1104	9	3.305	0.4418
2	0.163	0.0218	5	1.02	0.1364	10	4.08	0.5454
2½	0.255	0.0341	5½	1.234	0.165	11	4.937	0.66
3	0.367	0.0491	6	1.469	0.1963	12	5.875	0.7854
3½	0.5	0.0668	7	2	0.2673	14	8	1.069

1 gal = 3.785 L

1 yd³ soil = 1.5 tons

1 m = 3.281 ft

55-gal drum loose soil = 7.26 ft³ = .27 yd³ = 0.4 tons

1 gal = 8.33 lbs = 3.785 kg

Loose soil volume = 1.4 x borehole volume

1 ft Water = .433 psi

55-gal drum loose soil = 7.26 ft³ = .27 yd³ = 0.4 tons

1 gal/ft = 12.419 L/ft

Loose soil volume = 1.4 x borehole volume

1 gal/m = 12.419 x 10⁻³ m³/m



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

December 14, 2021

Jay Vanlandingham
Souder, Miller & Associates
3500 Sedona Hills Parkway
Las Cruces, NM 88011-4344
TEL: (575) 647-0799
FAX: (575) 647-0680

RE: Halsells Grocery

OrderNo.: 2112456

Dear Jay Vanlandingham:

Hall Environmental Analysis Laboratory received 4 sample(s) on 12/7/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2112456

Date Reported: 12/14/2021

CLIENT: Souder, Miller & Associates

Client Sample ID: MW-1

Project: Halsells Grocery

Collection Date: 12/6/2021 2:20:00 PM

Lab ID: 2112456-001

Matrix: AQUEOUS

Received Date: 12/7/2021 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JR
Benzene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Toluene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Ethylbenzene	24	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,2,4-Trimethylbenzene	3.3	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,3,5-Trimethylbenzene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Naphthalene	7.0	5.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1-Methylnaphthalene	ND	10		µg/L	5	12/10/2021 4:30:34 AM	R84427
2-Methylnaphthalene	ND	10		µg/L	5	12/10/2021 4:30:34 AM	R84427
Acetone	ND	25		µg/L	5	12/10/2021 4:30:34 AM	R84427
Bromobenzene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Bromodichloromethane	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Bromoform	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Bromomethane	ND	7.5		µg/L	5	12/10/2021 4:30:34 AM	R84427
2-Butanone	ND	25		µg/L	5	12/10/2021 4:30:34 AM	R84427
Carbon disulfide	ND	25		µg/L	5	12/10/2021 4:30:34 AM	R84427
Carbon Tetrachloride	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Chlorobenzene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Chloroethane	ND	5.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Chloroform	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Chloromethane	ND	7.5		µg/L	5	12/10/2021 4:30:34 AM	R84427
2-Chlorotoluene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
4-Chlorotoluene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
cis-1,2-DCE	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
cis-1,3-Dichloropropene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Dibromochloromethane	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Dibromomethane	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,2-Dichlorobenzene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,3-Dichlorobenzene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,4-Dichlorobenzene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Dichlorodifluoromethane	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,1-Dichloroethane	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,1-Dichloroethene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,2-Dichloropropane	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,3-Dichloropropane	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
2,2-Dichloropropane	ND	5.0		µg/L	5	12/10/2021 4:30:34 AM	R84427

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2112456

Date Reported: 12/14/2021

CLIENT: Souder, Miller & Associates

Client Sample ID: MW-1

Project: Halsells Grocery

Collection Date: 12/6/2021 2:20:00 PM

Lab ID: 2112456-001

Matrix: AQUEOUS

Received Date: 12/7/2021 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JR
1,1-Dichloropropene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Hexachlorobutadiene	ND	5.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
2-Hexanone	ND	25		µg/L	5	12/10/2021 4:30:34 AM	R84427
Isopropylbenzene	14	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
4-Isopropyltoluene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
4-Methyl-2-pentanone	ND	25		µg/L	5	12/10/2021 4:30:34 AM	R84427
Methylene Chloride	ND	7.5		µg/L	5	12/10/2021 4:30:34 AM	R84427
n-Butylbenzene	ND	7.5		µg/L	5	12/10/2021 4:30:34 AM	R84427
n-Propylbenzene	28	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
sec-Butylbenzene	4.4	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Styrene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
tert-Butylbenzene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Tetrachloroethene (PCE)	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
trans-1,2-DCE	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
trans-1,3-Dichloropropene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,2,3-Trichlorobenzene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,2,4-Trichlorobenzene	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,1,1-Trichloroethane	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,1,2-Trichloroethane	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Trichloroethene (TCE)	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Trichlorofluoromethane	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
1,2,3-Trichloropropane	ND	5.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Vinyl chloride	ND	2.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Xylenes, Total	ND	5.0		µg/L	5	12/10/2021 4:30:34 AM	R84427
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	5	12/10/2021 4:30:34 AM	R84427
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	5	12/10/2021 4:30:34 AM	R84427
Surr: Dibromofluoromethane	94.4	70-130		%Rec	5	12/10/2021 4:30:34 AM	R84427
Surr: Toluene-d8	102	70-130		%Rec	5	12/10/2021 4:30:34 AM	R84427

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2112456

Date Reported: 12/14/2021

CLIENT: Souder, Miller & Associates

Client Sample ID: MW-2

Project: Halsells Grocery

Collection Date: 12/6/2021 11:45:00 AM

Lab ID: 2112456-002

Matrix: AQUEOUS

Received Date: 12/7/2021 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JR
Benzene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Toluene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Ethylbenzene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Naphthalene	ND	2.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Acetone	ND	10		µg/L	1	12/10/2021 5:56:37 AM	R84427
Bromobenzene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Bromoform	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Bromomethane	ND	3.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
2-Butanone	ND	10		µg/L	1	12/10/2021 5:56:37 AM	R84427
Carbon disulfide	ND	10		µg/L	1	12/10/2021 5:56:37 AM	R84427
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Chlorobenzene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Chloroethane	ND	2.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Chloroform	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Chloromethane	ND	3.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
cis-1,2-DCE	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Dibromomethane	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2021 5:56:37 AM	R84427

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2112456

Date Reported: 12/14/2021

CLIENT: Souder, Miller & Associates

Client Sample ID: MW-2

Project: Halsells Grocery

Collection Date: 12/6/2021 11:45:00 AM

Lab ID: 2112456-002

Matrix: AQUEOUS

Received Date: 12/7/2021 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JR
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
2-Hexanone	ND	10		µg/L	1	12/10/2021 5:56:37 AM	R84427
Isopropylbenzene	4.2	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2021 5:56:37 AM	R84427
Methylene Chloride	ND	3.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
sec-Butylbenzene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Styrene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
trans-1,2-DCE	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Vinyl chloride	ND	1.0		µg/L	1	12/10/2021 5:56:37 AM	R84427
Xylenes, Total	ND	1.5		µg/L	1	12/10/2021 5:56:37 AM	R84427
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	12/10/2021 5:56:37 AM	R84427
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	12/10/2021 5:56:37 AM	R84427
Surr: Dibromofluoromethane	98.5	70-130		%Rec	1	12/10/2021 5:56:37 AM	R84427
Surr: Toluene-d8	100	70-130		%Rec	1	12/10/2021 5:56:37 AM	R84427

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2112456

Date Reported: 12/14/2021

CLIENT: Souder, Miller & Associates

Client Sample ID: MW-3

Project: Halsells Grocery

Collection Date: 12/6/2021 1:00:00 PM

Lab ID: 2112456-003

Matrix: AQUEOUS

Received Date: 12/7/2021 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JR
Benzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Toluene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Ethylbenzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Naphthalene	ND	2.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Acetone	ND	10		µg/L	1	12/10/2021 6:25:14 AM	R84427
Bromobenzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Bromoform	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Bromomethane	ND	3.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
2-Butanone	ND	10		µg/L	1	12/10/2021 6:25:14 AM	R84427
Carbon disulfide	ND	10		µg/L	1	12/10/2021 6:25:14 AM	R84427
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Chlorobenzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Chloroethane	ND	2.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Chloroform	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Chloromethane	ND	3.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
cis-1,2-DCE	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Dibromomethane	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2021 6:25:14 AM	R84427

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2112456

Date Reported: 12/14/2021

CLIENT: Souder, Miller & Associates

Client Sample ID: MW-3

Project: Halsells Grocery

Collection Date: 12/6/2021 1:00:00 PM

Lab ID: 2112456-003

Matrix: AQUEOUS

Received Date: 12/7/2021 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JR
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
2-Hexanone	ND	10		µg/L	1	12/10/2021 6:25:14 AM	R84427
Isopropylbenzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2021 6:25:14 AM	R84427
Methylene Chloride	ND	3.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
sec-Butylbenzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Styrene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
trans-1,2-DCE	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Vinyl chloride	ND	1.0		µg/L	1	12/10/2021 6:25:14 AM	R84427
Xylenes, Total	ND	1.5		µg/L	1	12/10/2021 6:25:14 AM	R84427
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	12/10/2021 6:25:14 AM	R84427
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	12/10/2021 6:25:14 AM	R84427
Surr: Dibromofluoromethane	97.6	70-130		%Rec	1	12/10/2021 6:25:14 AM	R84427
Surr: Toluene-d8	98.6	70-130		%Rec	1	12/10/2021 6:25:14 AM	R84427

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2112456

Date Reported: 12/14/2021

CLIENT: Souder, Miller & Associates

Client Sample ID: Trip Blank

Project: Halsells Grocery

Collection Date:

Lab ID: 2112456-004

Matrix: TRIP BLANK

Received Date: 12/7/2021 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JR
Benzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Toluene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Ethylbenzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Naphthalene	ND	2.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Acetone	ND	10		µg/L	1	12/10/2021 6:53:52 AM	R84427
Bromobenzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Bromoform	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Bromomethane	ND	3.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
2-Butanone	ND	10		µg/L	1	12/10/2021 6:53:52 AM	R84427
Carbon disulfide	ND	10		µg/L	1	12/10/2021 6:53:52 AM	R84427
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Chlorobenzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Chloroethane	ND	2.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Chloroform	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Chloromethane	ND	3.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
cis-1,2-DCE	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Dibromomethane	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2021 6:53:52 AM	R84427

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2112456

Date Reported: 12/14/2021

CLIENT: Souder, Miller & Associates

Client Sample ID: Trip Blank

Project: Halsells Grocery

Collection Date:

Lab ID: 2112456-004

Matrix: TRIP BLANK

Received Date: 12/7/2021 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JR
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
2-Hexanone	ND	10		µg/L	1	12/10/2021 6:53:52 AM	R84427
Isopropylbenzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2021 6:53:52 AM	R84427
Methylene Chloride	ND	3.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
sec-Butylbenzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Styrene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
trans-1,2-DCE	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Vinyl chloride	ND	1.0		µg/L	1	12/10/2021 6:53:52 AM	R84427
Xylenes, Total	ND	1.5		µg/L	1	12/10/2021 6:53:52 AM	R84427
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	12/10/2021 6:53:52 AM	R84427
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	12/10/2021 6:53:52 AM	R84427
Surr: Dibromofluoromethane	95.8	70-130		%Rec	1	12/10/2021 6:53:52 AM	R84427
Surr: Toluene-d8	98.8	70-130		%Rec	1	12/10/2021 6:53:52 AM	R84427

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2112456

14-Dec-21

Client: Souder, Miller & Associates

Project: Halsells Grocery

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES								
Client ID: LCSW	Batch ID: R84427	RunNo: 84427								
Prep Date:	Analysis Date: 12/9/2021	SeqNo: 2965783 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	70	130			
Toluene	21	1.0	20.00	0	103	70	130			
Chlorobenzene	20	1.0	20.00	0	102	70	130			
1,1-Dichloroethene	21	1.0	20.00	0	103	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	92.9	70	130			
Surr: 1,2-Dichloroethane-d4	9.9		10.00		99.1	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.6	70	130			
Surr: Dibromofluoromethane	9.5		10.00		95.2	70	130			
Surr: Toluene-d8	10		10.00		99.8	70	130			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: R84427	RunNo: 84427								
Prep Date:	Analysis Date: 12/9/2021	SeqNo: 2965808 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2112456

14-Dec-21

Client: Souder, Miller & Associates

Project: Halsells Grocery

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: R84427	RunNo: 84427								
Prep Date:	Analysis Date: 12/9/2021	SeqNo: 2965808	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2112456

14-Dec-21

Client: Souder, Miller & Associates

Project: Halsells Grocery

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: R84427	RunNo: 84427								
Prep Date:	Analysis Date: 12/9/2021	SeqNo: 2965808	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.9	70	130			
Surr: Dibromofluoromethane	9.6		10.00		96.2	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID: 100ng lcs2	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES								
Client ID: LCSW	Batch ID: R84427	RunNo: 84427								
Prep Date:	Analysis Date: 12/10/2021	SeqNo: 2965810	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	106	70	130			
Toluene	21	1.0	20.00	0	104	70	130			
Chlorobenzene	21	1.0	20.00	0	105	70	130			
1,1-Dichloroethene	21	1.0	20.00	0	104	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	96.2	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.0	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.7	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID: 2112456-001a ms	SampType: MS	TestCode: EPA Method 8260B: VOLATILES								
Client ID: MW-1	Batch ID: R84427	RunNo: 84427								
Prep Date:	Analysis Date: 12/10/2021	SeqNo: 2965817	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	100	5.0	100.0	1.237	102	70	130			
Toluene	100	5.0	100.0	0	101	70	130			
Chlorobenzene	100	5.0	100.0	0	102	70	130			
1,1-Dichloroethene	97	5.0	100.0	0	96.9	70	130			
Trichloroethene (TCE)	93	5.0	100.0	0	92.8	70	130			
Surr: 1,2-Dichloroethane-d4	49		50.00		98.3	70	130			
Surr: 4-Bromofluorobenzene	49		50.00		97.7	70	130			
Surr: Dibromofluoromethane	48		50.00		96.0	70	130			
Surr: Toluene-d8	51		50.00		103	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2112456

14-Dec-21

Client: Souder, Miller & Associates

Project: Halsells Grocery

Sample ID: 2112456-001a msd		SampType: MSD		TestCode: EPA Method 8260B: VOLATILES						
Client ID: MW-1		Batch ID: R84427		RunNo: 84427						
Prep Date:		Analysis Date: 12/10/2021		SeqNo: 2965818			Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	97	5.0	100.0	1.237	95.4	70	130	6.74	20	
Toluene	95	5.0	100.0	0	95.1	70	130	5.80	20	
Chlorobenzene	94	5.0	100.0	0	93.7	70	130	8.79	20	
1,1-Dichloroethene	92	5.0	100.0	0	92.4	70	130	4.67	20	
Trichloroethene (TCE)	89	5.0	100.0	0	88.9	70	130	4.28	20	
Surr: 1,2-Dichloroethane-d4	49		50.00		97.2	70	130	0	0	
Surr: 4-Bromofluorobenzene	47		50.00		94.5	70	130	0	0	
Surr: Dibromofluoromethane	50		50.00		99.3	70	130	0	0	
Surr: Toluene-d8	50		50.00		99.1	70	130	0	0	

Sample ID: mb2		SampType: MBLK		TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW		Batch ID: R84427		RunNo: 84427						
Prep Date:		Analysis Date: 12/10/2021		SeqNo: 2965822			Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2112456

14-Dec-21

Client: Souder, Miller & Associates

Project: Halsells Grocery

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: mb2	SampType: MBLK		TestCode: EPA Method 8260B: VOLATILES							
Client ID: PBW	Batch ID: R84427		RunNo: 84427							
Prep Date:	Analysis Date: 12/10/2021		SeqNo: 2965822		Units: µg/L					
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2112456

14-Dec-21

Client: Souder, Miller & Associates

Project: Halsells Grocery

Sample ID: mb2	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: R84427	RunNo: 84427								
Prep Date:	Analysis Date: 12/10/2021	SeqNo: 2965822			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.2	70	130			
Surr: Dibromofluoromethane	9.7		10.00		97.0	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Sample Log-In Check List

Client Name: **Souder, Miller & Associates**

Work Order Number: **2112456**

RcptNo: 1

Received By: **Sean Livingston** 12/7/2021 10:10:00 AM

Completed By: **Desiree Dominguez** 12/8/2021 7:55:24 AM

Reviewed By: *jr 12/8/21*

Sean Livingston
DD

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Samples not frozen
Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? Yes No NA
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
10. Were any sample containers received broken? Yes No
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: *CDW 12/8/21*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	-2.0	Good				

**SOUDER, MILLER & ASSOCIATES
SITE-SPECIFIC HEALTH & SAFETY PLAN
29 CFR 1910.120 (b)(2)(4)**

1.0 INTRODUCTION

This document is the site-specific health and safety plan for Souder, Miller & Associates (SMA) with specific reference to the Halsell's Grocery State-Lead petroleum storage tank (PST) release site, located at 112 School Road, Hatch, New Mexico. This document cannot list all hazardous activities or materials that may be encountered at the work site, however it does provide a framework for operating under generally accepted health and safety methods.

2.0 OBJECTIVES

It is the intention of this plan to itemize the minimum health and safety requirements for SMA personnel, for subcontractors under direct supervision by SMA, and for site visitors. This plan is devised with due consideration of regulations and performance requirements of various state agencies regarding the health and safety of the surrounding population. It is also the purpose of this plan to reduce or eliminate the potential for injury.

2.1 Work Tasks and Objectives

29 CFR 1910.120 (b)(3)(ii)

SMA will be conducting investigative and/or remedial activities related to a release of hydrocarbons from an underground storage tank (UST) system. These activities include groundwater sampling from monitoring wells and observation of in-situ treatment (injection) of an activated carbon-based solution (COGAC™).

2.2 Effectiveness

29 CFR 1910.120 (b)(2)(4)(iv)

Inspections shall be conducted by the SMA site health and safety supervisor, or his/her representative, to determine the effectiveness of the site health and safety plan. Any deficiencies in the effectiveness of the site health and safety plan shall be corrected by SMA.

2.3 Location of Health and Safety Plan

29 CFR 1910.120 (b)(2)(4)(i)

The site health and safety plan will be kept on site accessible to personnel in the SMA vehicle at all times, unless a specific centralized location is designated by the employees, contractors, and subcontractors working on site.

2.4 Pre-Entry Briefing

29 CFR 1910.120 (b)(2)(4)(iii)

A health and safety briefing will be conducted for all site personnel prior to initiating site activity, and at such other times as necessary to ensure that SMA employees, contractors, and subcontractors are apprised of the site health and safety plan.

The information contained in this site health and safety plan is compiled from data obtained from site

characterization and analysis work.

3.0 PROJECT ORGANIZATION

SMA Project Manager: Ms. Stephanie Hinds, Project Engineer, (505) 793-7079
SMA Senior Manager: Mr. Jay Vanlandingham, P.G. (575) 449-2966

4.0 AGENCY COORDINATION

NMED Project Manager: Mr. Michael Boulay, Geoscientist, (505) 372-8331

5.0 SITE DESCRIPTION

29 CFR 1910.120 (c)(4)

SITE NAME: Halsell's Grocery State-Lead Site

LOCATION: 112 School Road, Hatch, NM 87937

CURRENT ON-SITE ACTIVITIES: Grocery store with parking lot

TOPOGRAPHY: flat, paved parking lot with sidewalks and roadways along property perimeter

SURROUNDING POPULATION: within Town of Hatch town limits, mix of commercial, residential, and light industrial properties

EXPECTED WEATHER CONDITIONS: TBD but potentially (likely) cool/cold, breezy (winter time-frame)

ACCESSIBILITY OF SITE: easily accessible, no fencing or gates

6.0 SITE WORK PLAN

6.1 Description of Job Tasks

29 CFR 1910.120 (c)(4)(ii)

SMA will sample from three groundwater monitoring wells using disposable bailers. SMA will also be on site to observe injection of a chemically oxygenated active carbon solution, performed by Remington Technologies, Inc. Heavy equipment, including a Geoprobe 7822DT direct push rig and mixing tanks will be on site. Hydrocarbon impacted groundwater may be encountered.

6.2 Site Cleanup

29 CFR 1910.120 (b)(3)(i)

The site will be cleared of hazards and injection debris and restored to pre-injection site conditions.

7.0 SITE CONTROL

Site control will consist of traffic cones, flagging, safety vests, and consultation with Town of Hatch for a

traffic control plan. These measures are meant to prevent non-essential personnel from getting inside of the work area. The size of the work area will be determined by site specific parameters but will encompass an area of no greater than 5,000 square feet.

7.1 Pre-Emergency Planning

29 CFR 1910.120 (I)(2)(i)

All on-site personnel and visitors will be required to attend a safety meeting discussing elements of this site-specific health and safety plan. The plan will be discussed with all personnel involved with site work prior to work initiation. Site characterization, expected hazards, and emergency response actions will be covered in the pre-emergency meeting. Additional safety meetings will be held when conditions such as weather, scope of work, or unanticipated hazards change substantially.

Monitoring for possible exposure to hazardous substances or health and safety hazards will be performed by the site health and safety officer during the execution of work tasks.

All site personnel must be aware of anticipated potential hazards and actively take steps to avoid or reduce the risk of such potential hazards. The site health and safety officer must be informed if unanticipated health and safety hazards are observed.

8.0 SITE CHARACTERIZATION 29 CFR 1910.120 (c)

8.1 Preliminary Evaluation

29 CFR 1910.120 (c)(2)

A preliminary evaluation of site characteristics has been performed prior to site entry by the project manager.

EMPLOYEE PROTECTION Level D personal protective equipment (PPE), including steel-toed boots, gloves, eye protection, ear protection (as applicable), and hard hats (as applicable) must be worn by all personnel within the work area.

ENGINEERING CONTROLS Personnel should, whenever possible, work on the upwind side of injection points. Subsurface contamination should not be encountered during system construction, however, should air quality monitoring indicate elevated levels of hazardous vapors, the work area will be evacuated and reassessed prior to re-entrance. An evaluation of increased level of protection (e.g., respiratory protection) will be performed prior to work area re-entry.

8.2 Anticipated Safety and Health Hazards

29 CFR 1910.120 (c)(4)(v)

SAFETY HAZARDS: Traffic, noise, heavy equipment operation, heat or cold stress, slips/trips/falls, pinch points, sharp tools.

HEALTH HAZARDS: Soil and/or groundwater contaminated with petroleum hydrocarbons (benzene) and elevated dissolved metals (iron, manganese), volatile organic vapors, possible free phase petroleum hydrocarbons.

8.3 Hazard Identification

29 CFR 1910.120 (c)(3)

Chemical Hazard	Pathways for Exposure Risk Identification 29 CFR 1910.120 (c)(4)(vi) 29 CFR 1910.120 (c)(7)			Exposure Limits
Petroleum Hydrocarbons	Skin Contact, Eye Irritation	Inhalation	Ingestion	Cal/ OSHA PEL
Engineering Controls for Exposure Minimization	<p>Wear protective gloves and clothing while handling soils and water.</p> <p>Petroleum hydrocarbon is an eye and throat irritant at levels around the PEL.</p>	<p>Stay upwind whenever possible while working with or near equipment. If engineering control is insufficient to minimize risk of inhalation, respirators will be worn.</p>	<p>No eating, drinking, or application of cosmetics in the work zone. Decontaminate prior to leaving work area. Wash hands prior to eating, drinking or the application of cosmetics.</p>	300 ppm
Effects of Contaminant	<p>Petroleum hydrocarbons are an eye and throat irritant at levels around the Permissible Exposure Limit (PEL), and causes narcotic effects (with symptoms including headache, nausea, dizziness, and blurred vision) at higher levels. Long term exposure can affect liver and kidney function. Some studies indicate a potential for petroleum hydrocarbons to be an animal carcinogen, but this has not been fully established. Because petroleum hydrocarbon is a mixture of varying proportions of dozens of hydrocarbons, a mean odor threshold has not been determined.</p>			

Physical Hazard	Engineering Controls to Minimize Risks
Noise	Wear earplugs when in noisy areas that have sound levels such that interfere with normal conversation.
Traffic	Inspect and maintain traffic safety cones and/or flagging to keep automobile traffic away from work area.
Heat or Cold Stress	Monitor individuals for signs of stress if air temperature exceeds 85°F or drops below 40°F. Provide frequent breaks to cool down or warm up. Have fluids available.
Heavy Equipment Operation	Be visible to operator when approaching heavy equipment. Do not operate equipment and walk away.

8.4 Safety and Health Risk/Hazard Analysis

29 CFR 1910.120 (b)(2)(4)(ii)(a)

Work will be performed outdoors. Engineering controls, such as working upwind as much as is practicable, will help minimize risk to exposure. Should PID readings exceed normal background levels anywhere in the work area, the work area will be evacuated, and the risks re-evaluated.

IDLH Concentrations

29 CFR 1910.120 (c)(7)(ii)

The work area will be evacuated before personnel exposure to IDLH concentrations of contaminants.

Explosion Sensitivity and Flammability Ranges

29 CFR 1910.120 (c)(7)(iv)

If levels of contaminants reach explosive levels at the site location, work will cease and the injection boreholes will be abandoned as described in work tasks. The SMA on-site representative will monitor for potentially explosive conditions.

Oxygen deficiency

29 CFR 1910.120 (c)(7)(v)

Not applicable

9.0 DECONTAMINATION PROCEDURES

29 CFR 1910.120 (k)

All employees leaving the work area shall remove and discard disposable gloves and earplugs, wash personal protective equipment (such as rinsing off boots, cleaning eye protection, etc.) as necessary, and wash hands prior to leaving the work area.

Decontamination shall be performed in an area that will minimize the employee exposure. All equipment used for decontamination shall also be decontaminated or disposed of properly.

10.0 EMERGENCY RESPONSE PLAN

29 CFR 1910.120 (I)

10.1 Response Activities

29 CFR 1910.120 (c)(4)(ii)

Determine the nature of the emergency (release of hazardous substances, injury or unconsciousness from hazardous substance, injury from physical hazard, etc.)

FIRST AID KIT AND FIRE EXTINGUISHER:

An emergency first aid kit and the fire extinguisher are located in the SMA vehicle.

MINOR INJURY:

If the injury or illness is minor, full decontamination may be completed and first aid administered prior to transport. If the patient's condition is serious, medical assistance should be summoned immediately.

SEVERE INJURY:

If personal injury has occurred resulting from hazardous substance exposure, call for emergency medical attention. Do not enter work area if risk of injury from hazardous substance exposure exists.

If personal injury has occurred, call for emergency medical attention.

TELEPHONE:

Each SMA employee on site has a mobile phone that can be used for emergency calls.

VEHICLE ACCIDENT:

If no personal injury, notify police and treat as traffic mishap. Record name of person(s) involved, telephone number(s), license number(s), insurance company name(s). Photograph vehicle damage, skid marks, property damage, etc.

FIRE OR EXPLOSION:

A fire extinguisher is available in the SMA vehicle. In the event a fire cannot be extinguished, or the fighting of fire poses a safety and/or health risk, call the local fire department immediately.

NOTIFICATION OF SITE PERSONNEL:

Three long beeps on support vehicle horn. Site personnel meet at a designated rally point upwind of incident outside of work area. Alert fire department.

11.0 TRAINING AND MEDICAL SURVEILLANCE

11.1 Training

29 CFR 1910.120 (b)(2)(4)(ii)(b)

All on site personnel have been trained as specified in SMA's health and safety program.

11.2 Medical Surveillance

29 CFR 1910.120 (f)

All site personnel certify that they are under a medical surveillance program as described in SMA's health and safety program.

12.0 TRAFFIC SAFETY PLAN

SMA will consult with Town of Hatch if they recommend a traffic control plan. Though site work is to take place on private property, adjacent public roadways and sidewalk may be affected during injection. Safety cones and markers will be utilized to alert non-essential personnel of site work, heavy equipment, operators, SMA employees, and subcontractors.

13.0 RECORD KEEPING

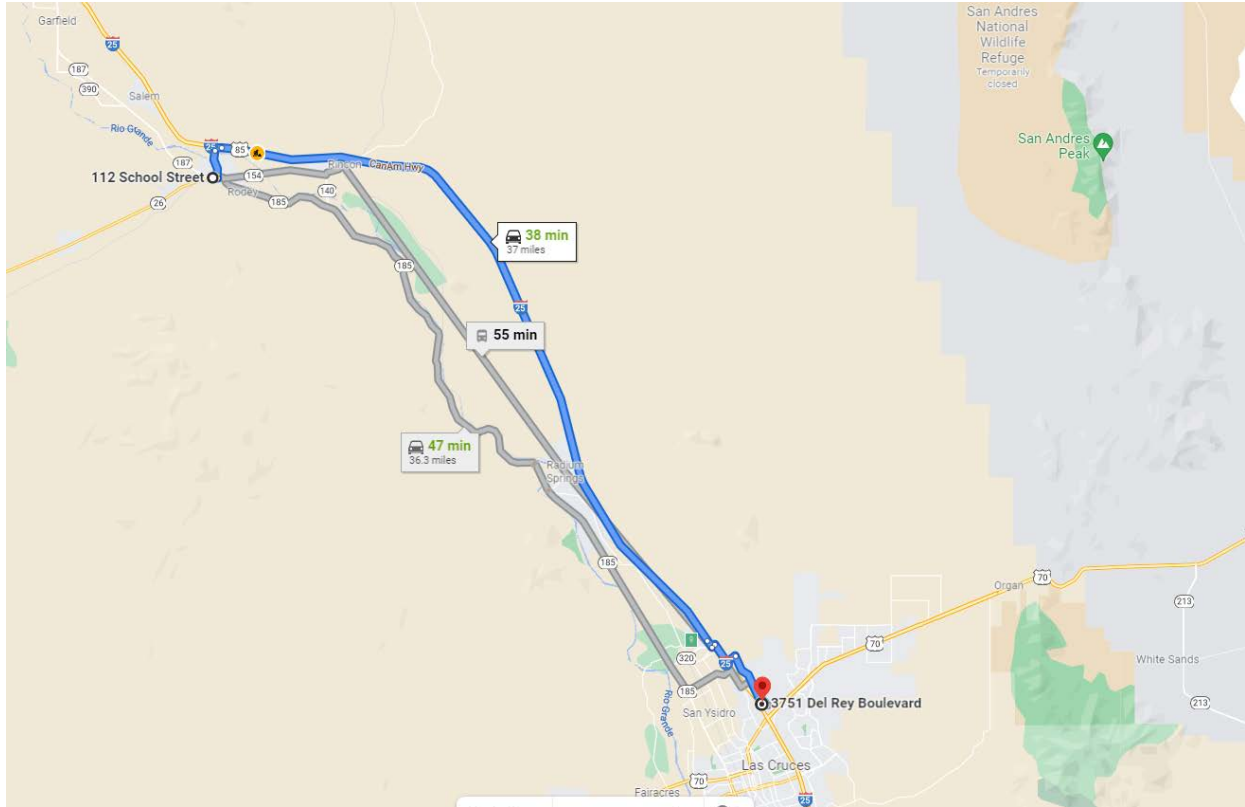
A daily log of site activities will be kept by the on-site SMA representative during work progression. All activities will be noted.

EMERGENCY TELEPHONE NUMBERS

AGENCY	TELEPHONE NUMBER
Emergency	911
Fire and Rescue	911
Police or Sheriff	911
Poison Control	1-800-432-6866
EPA Emergency Response Team	908-321-6660
National Response Center	800-424-8802
Center for Disease Control	404-488-4100
Chemtrec	800-424-9555
One Call	811
NOTIFICATION OF SMA	575-647-0680 (Las Cruces Office) 505-793-7079 (S. Hinds, SMA Project Manager) 575-449-2966 (J. Vanlandingham, SMA Sr. Project Manager)

*Call SMA's Farmington Office at **575-647-0680** after notification of emergency assistance. Inform office of the name of injured party or the nature of the incident. If injured worker is a contractor or subcontractor, instruct SMA personnel to inform contractor or subcontractor of the incident.*

Hospital Information:
Mesilla Valley Hospital
3751 Del Rey Blvd.
Las Cruces, NM 88012
911 or (575) 382-3500



38 min (37.0 miles)



via I-25 S

Fastest route, the usual traffic

112 School St

Hatch, NM 87937

- > Get on I-25 S from NM-26 N
4 min (1.7 mi)
- > Follow I-25 S to Co Rd D036/NM-320 E in Doña Ana.
Take exit 9 from I-25 S
27 min (31.4 mi)
- > Follow Del Rey Blvd to your destination in Las Cruces
7 min (3.9 mi)

3751 Del Rey Blvd

Las Cruces, NM 88012

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

CONSENTIMIENTO PARA EL ACCESO A LA PROPIEDAD

Nombre del propietario: Jose Guadalupe y Antonia Banuelos

Ubicación de la propiedad: 112 School Street, Hatch, NM 87937

Este es mi consentimiento para que el Departamento de Medio Ambiente de Nuevo México (Departamento) y sus funcionarios, empleados, contratistas y representantes autorizados tengan acceso a la Propiedad descrita anteriormente para llevar a cabo acciones correctivas de acuerdo con los requisitos de 20.5.119 NMAC y aprobados por el Departamento. Las actividades pueden incluir, entre otras, las siguientes:

- Inyección de compuestos químicos para remediar la contaminación del suelo y las aguas subterráneas por la liberación de petróleo
- Monitoreo de las aguas subterráneas
- Inspección
- Reparación de terminaciones superficiales de pozos de monitoreo
- Utilización de equipos móviles para extraer vapores de petróleo y aguas subterráneas de los pozos de monitoreo
- Todos los trabajos se llevarán a cabo de manera eficiente y cortés y con un mínimo de interrupciones y molestias para los clientes, empleados, agentes y representantes del Propietario.

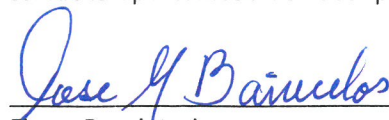
El Departamento y sus funcionarios, empleados, contratistas y representantes autorizados proporcionarán al Propietario un aviso por escrito o un aviso verbal antes de cada entrada en la Propiedad. Este aviso se entregará a:

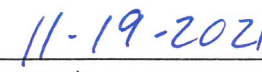
Propietario: José G o Antonia Banuelos
Dirección del Propietario: P.O. Box 1110, Hatch, NM 87937
Teléfono: (575) 644-444 (575) 644-4441
Correo electrónico: jgbanuelos@gmail.com

Es posible que el Propietario pueda observar las actividades en la Propiedad; sin embargo, todas las operaciones se llevarán a cabo de acuerdo con las Regulaciones de Salud y Seguridad Ocupacional (ver 29 CFR § 1910.120) y en caso de que se identifique cualquier riesgo potencial de incendio, explosión, salud, seguridad u otros peligros de la operación de residuos peligrosos, el Propietario no podrá observar. En caso de que el Propietario decida que se recojan y analicen muestras divididas, será responsable de organizar por adelantado el suministro y los costes asociados a cualquier equipo, accesorios y costes de laboratorio necesarios para dichas muestras divididas.

Se colocarán instalaciones en la propiedad de forma que se minimicen las interferencias con el movimiento de vehículos y las actividades habituales en la Propiedad. Tras la finalización del proyecto, el Departamento y sus funcionarios, empleados, contratistas y representantes autorizados abandonarán adecuadamente todos los pozos, retirarán el equipo, todos los materiales, la basura, las vallas y otros elementos asociados. El Departamento y sus funcionarios, empleados, contratistas y representantes autorizados devolverán la propiedad lo más cerca posible de la condición previa a la entrada.

Este permiso lo doy voluntariamente con conocimiento de mi derecho a negarme y sin coacción. He tenido la oportunidad de hacer preguntas y todas mis preguntas han sido contestadas a mi satisfacción.


Firma-Propietario


Fecha