



July 24, 2019

Ms. Susan von Gonten, Project Manager
New Mexico Environment Department
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505

**RE: MONITORING WELL INSTALLATION REPORT,
Fairview Station, Española, New Mexico
Facility #28779 SID #4657 WPID #3997-1**

Dear Ms. von Gonten:

Souder, Miller & Associates (SMA) is submitting the attached report for soil boring drilling and monitoring well installation at the Fairview Station site. This report was prepared for submittal to the New Mexico Environment Department (NMED), Petroleum Storage Tank Bureau (PSTB) pursuant to the work plan dated July 17, 2018 and approved by the NMED PSTB on September 14, 2018 (WPID #3997-1).

Between March 12 and 19, 2019, SMA drilled and installed eight monitoring wells and advanced three soil borings. Geomechanics Southwest Inc. performed the drilling and well construction using a CME-75 hollow-stem auger drill rig. Table 1 summarizes the well screened interval and survey measurements. Table 2 summarizes the analytical laboratory results of soil samples. Figure 1 is a site map which depicts the locations of the monitoring wells and soil borings. Figure 2 depicts the total petroleum hydrocarbon analyses on the site map. Figures 3a and 3b are generalized geologic / contamination cross sections that depict the soil types observed and contamination data in cross sections. Copies of field notes, photographs and laboratory reports are also attached.

Monitoring well MW-22 was installed on the property to the south of the Fairview Station property. The well was drilled to 27 feet below ground surface (fbgs) with screen installed from 11.6 to 26.6 fbgs. Field screening results did not indicate any contamination in the well bore. However, a low concentration of benzene (0.043 mg/kg) was detected in the sample collected at 20 feet.

Monitoring well MW-23 was installed on the property to the south of the Fairview Station property near Valley Drive. The well was drilled to 27 feet below ground surface (fbgs) with screen installed from 11.6 to 26.6 fbgs. Field screening results did not indicate any contamination in the well bore. Neither of the samples collected at 15 or 20 feet contained any detectable contaminants of concern.

Monitoring well MW-26 was installed in the northeast corner of the Dairy Queen property. The well was drilled to 27 feet below ground surface (fbgs) with screen installed from 11.6 to 26.6 fbgs. Field screening results did not indicate any contamination in the well bore. Neither of the samples collected at 15 or 20 feet contained any detectable contaminants of concern.

Monitoring well MW-27 was installed in the parking lot of the Dairy Queen property south of the east side of the building. The well was drilled to 27 feet below ground surface (fbgs) with screen installed from 11 to 26 fbgs. Field screening results indicated significant contamination from 15 to 20 fbgs. Two samples were collected for laboratory analysis at 14 and 15 feet. The 14 foot sample contained 160 mg/kg gasoline range organics (GRO) and diesel range organics (DRO) below the practical quantitation limit of 9.6 mg/kg. The 15 foot sample contained 740 mg/kg GRO and 170 mg/kg DRO. Contamination was significantly higher in the 15 foot sample indicating the top of the contamination is near 14 fbgs.

Monitoring well MW-28 was installed in the parking lot of the Dairy Queen property south of the west side of the building. The well was drilled to 27 feet below ground surface (fbgs) with screen installed from 11 to 26 fbgs. Field screening results indicated significant contamination from 5 to 20 fbgs. Two samples were collected for laboratory analysis at 14 and 17 feet. The 14 foot sample contained 2,100 mg/kg GRO and 380 mg/kg DRO. The 17 foot sample contained 590 mg/kg GRO and 140 mg/kg DRO. Contamination was significantly higher in the 14 foot sample which is generally above the water table. The 17 foot sample is generally in the submerged zone. Non-aqueous phase petroleum liquid (NAPL) was observed to immediately enter MW-28 after completion.

Monitoring well MW-29 was installed on the north side of the Fairview Station property to the northeast of the former tank basin. The well was drilled to 27 feet below ground surface (fbgs) with screen installed from 11.5 to 26.5 fbgs. Field screening results indicated significant contamination from 12.5 to 20 fbgs. Two samples were collected for laboratory analysis at 12.5 and 15 feet. The 12.5 foot sample contained 310 mg/kg GRO and 96 mg/kg DRO. The 15 foot sample contained 730 mg/kg GRO and 200 mg/kg DRO. Monitoring well MW-29 was completed as a 4-inch diameter well to support the planned remediation implementation.

Monitoring well MW-30 was installed on the north side of the Fairview Station property to the north of the former tank basin. The well was drilled to 27 feet below ground surface (fbgs) with screen installed from 11.5 to 26.5 fbgs. Field screening results indicated significant contamination from 10 to 20 fbgs. Two samples were collected for laboratory analysis at 10 and 15 feet. The 10 foot sample contained 88 mg/kg GRO and 9.2 mg/kg DRO. The 15 foot sample contained 1,800 mg/kg GRO and 320 mg/kg DRO. Monitoring well MW-30 was completed as a 4-inch diameter well to support the planned remediation implementation.

Monitoring well MW-31 was installed on the north side of the Fairview Station property to the northwest of the former tank basin. The well was drilled to 27 feet below ground surface (fbgs) with screen installed from 11.5 to 26.5 fbgs. Field screening results indicated significant contamination from 15 to 20 fbgs. Two samples were collected for laboratory analysis at 15 and 20 feet. The 15 foot sample contained 42 mg/kg GRO and 86 mg/kg DRO. The 20 foot

sample contained 34 mg/kg GRO and 11 mg/kg DRO. Monitoring well MW-31 was completed as a 4-inch diameter well to support the planned remediation implementation.

Three soil borings were advanced along the approximate eastern side of the contaminant plume on the Fairview Station property. These soil borings were advanced to better define the eastern side of the soil contamination and planned excavation. Soil boring SB-1 was installed east of the former tank pit on Fairview Station between monitoring wells MW-1 and MW-4. Field screening results indicated significant contamination from 9 to 22 fbs. Two samples were collected for laboratory analysis at 10 and 15 feet. The 10 foot sample contained 41 mg/kg GRO and 92 mg/kg DRO. The 15 foot sample contained 1,500 mg/kg GRO and 190 mg/kg DRO.

Soil boring SB-2 was installed south of the former tank pit on Fairview Station and east of the former dispensers. Field screening results indicated significant contamination from 13 to 22 fbs. Two samples were collected for laboratory analysis at 9 and 15 feet. The 9 foot sample contained 5.5 mg/kg GRO and <9.5 mg/kg DRO. The 15 foot sample contained 610 mg/kg GRO and 220 mg/kg DRO.

Soil boring SB-3 was installed on the Fairview Station property between monitoring wells MW-3 and MW-16. Field screening results indicated significant contamination from 13 to 22 fbs. Two samples were collected for laboratory analysis at 11.5 and 15 feet. The 11.5 foot sample contained 280 mg/kg GRO and 37 mg/kg DRO. The 15 foot sample contained 600 mg/kg GRO and 150 mg/kg DRO.

Sincerely,
SOUDER, MILLER & ASSOCIATES



Alan Eschenbacher, P.G.
Senior Geoscientist

Enclosures:

Photolog

Table 1 – Monitoring Well Measurements

Table 2 – Summary of Soil Sample Results

Figure 1 – Site Map

Figure 2 – Soil Contamination Map

Figure 3a & 3b – Generalized Geologic / Contamination Cross Sections

Field Notes

Analytical Laboratory Reports



Photo 1 – Preparing to drill MW-22, view to southeast



Photo 2 - Drilling MW-23, view to west



Photo 3 - Drilling MW-26, view to northeast



Photo 4 - Drilling MW-27, view to southwest

TABLE 1. MONITORING WELL MEASUREMENTS
 FAIRVIEW STATION, ESPANOLA, NEW MEXICO

Well	Well Diameter	Screen Interval (Feet below ground)	Northing (US survey foot)	Easting (US Survey foot)	Elevation (US Survey Foot)
MW-22	2"	11.6 - 26.6	1825211.34	1695459.32	5622
MW-23	2"	11.6 - 26.6	1825114.11	1695365.28	5622.19
MW-26	2"	11.6 - 26.6	1825588.7	1695540.52	5623.98
MW-27	2"	11 - 26	1825499.30	1695479.40	5622.82
MW-28	2"	11 - 26	1825501.44	1695410.30	5622.75
MW-29	4"	11.5 - 26.5	1825419.60	1695450.93	5622.37
MW-30	4"	11.5 - 26.5	1825419.30	1695421.00	5621.87
MW-31	4"	11.5 - 26.5	1825420.28	1695388.56	5621.95

TABLE 2. SUMMARY OF SOIL SAMPLE RESULTS
FAIRVIEW STATION, ESPANOLA, NEW MEXICO

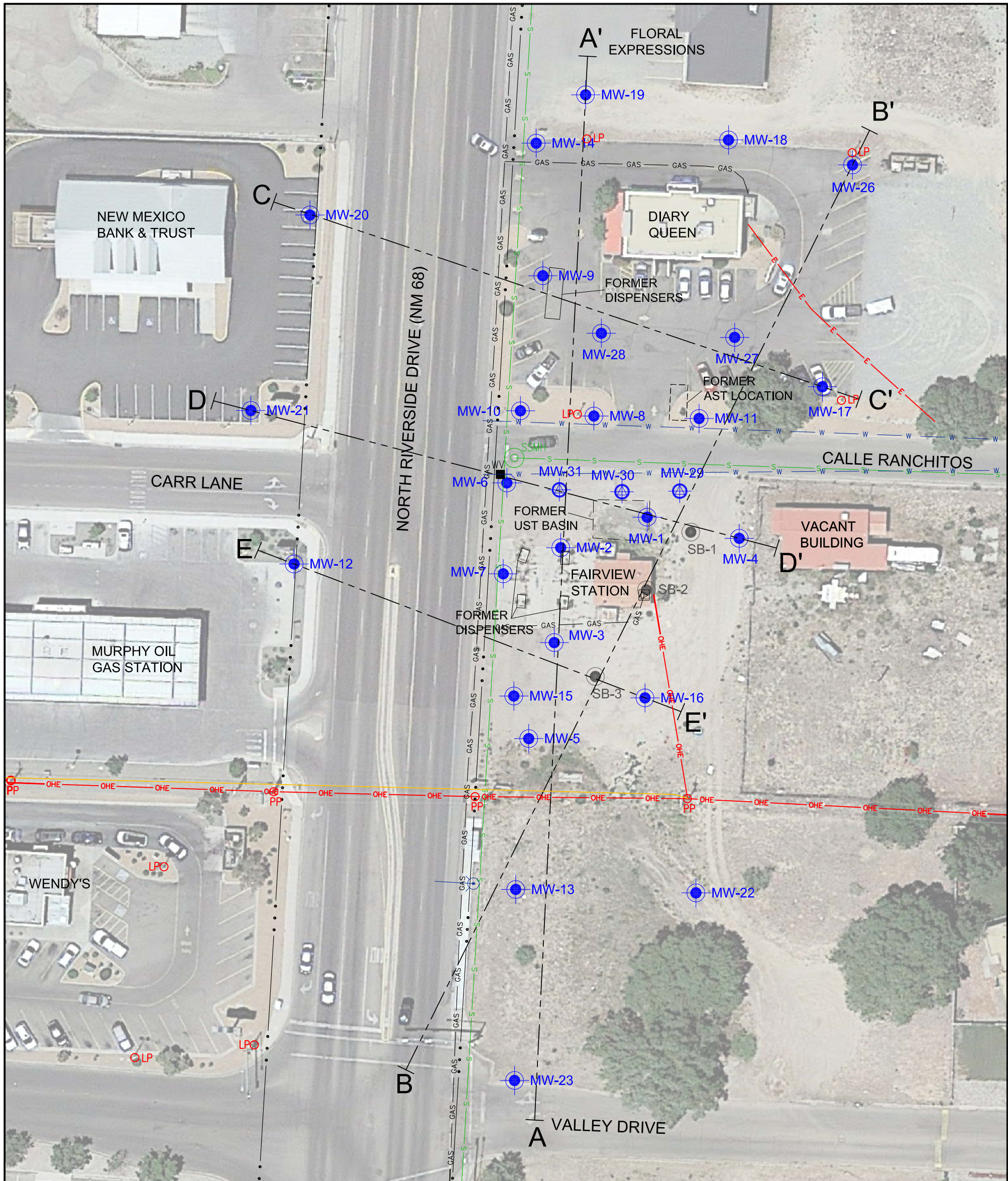
Boring I.D.	Date	Depth (feet)	PID Result (ppm)	Method 8260B						Method 8015B	
				Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	Total Naphthalenes	GRO	DRO
MW-22	03/12/19	15	0.0	<0.018	<0.036	<0.036	<0.072	<0.036	<0.35	<3.6	<9.3
	03/12/19	20	0.0	0.043	<0.032	<0.032	<0.063	<0.032	<0.32	<3.2	<9.3
MW-23	03/12/19	15	0.0	<0.015	<0.030	<0.030	<0.060	<0.030	<0.30	<3.0	<9.7
	03/12/19	20	0.1	<0.016	<0.031	<0.031	<0.063	<0.031	<0.32	<3.1	<9.6
MW-26	03/13/19	15	0.7	<0.019	<0.038	<0.038	<0.075	<0.038	<0.30	<3.8	<9.5
	03/13/19	20	0.1	<0.018	<0.035	<0.035	<0.070	<0.035	<0.35	<3.5	<9.4
MW-27	03/14/19	14	0.9	1.0	<0.17	2.2	2.7	<0.17	3.6	160	<9.6
	03/14/19	15	1,044	2.6	2.7	8.7	19	<0.37	9.5	740	170
MW-28	03/13/19	14	>5000	12	24	33	130	<0.39	28.6	2,100	380
	03/13/19	17	>5000	3.6	4.3	8.6	33	<0.27	18.7	590	140
MW-29	03/12/19	12.5	208.2	3.3	0.99	4.9	5.3	0.16	3.99	310	96
	03/12/19	15	>5000	6.3	15	11	45	<0.36	11.2	730	200
MW-30	03/12/19	10	327.9	<0.015	<0.030	0.42	<0.060	<0.030	<0.69	88	9.2
	03/12/19	15	>5000	14	30	33	110	<0.68	22.3	1,800	320
MW-31	03/12/19	15	4,392	1.1	1.4	1.3	5.0	0.54	1.75	42	86
	03/12/19	20	485.4	0.17	0.72	0.51	2.1	0.052	0.34	34	11
SB-1	03/12/19	10	1,704	0.28	0.18	2.4	0.81	<0.052	6.8	41	92
	03/12/19	15	3,242	4.1	0.60	27	27	<0.40	26.3	1,500	190
SB-2	03/14/19	9	23.7	<0.014	<0.027	0.039	<0.054	<0.027	0.12	5.5	<9.5
	03/14/19	15	>5000	2.1	12	10	32	<0.031	10.5	610	220
SB-3	03/12/19	11.5	848.3	2.1	7.2	4.4	18	0.62	2.4	280	37
	03/12/19	15	>5000	8.0	25	8.5	37	0.30	8.5	600	150

NOTES:

All concentrations in milligrams per kilogram (mg/kg) which is equivalent to parts per million (ppm)

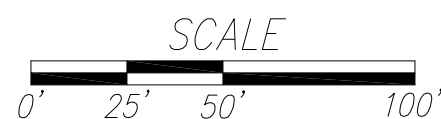
MTBE = Methyl tertiary butyl ether

NA = Not analyzed



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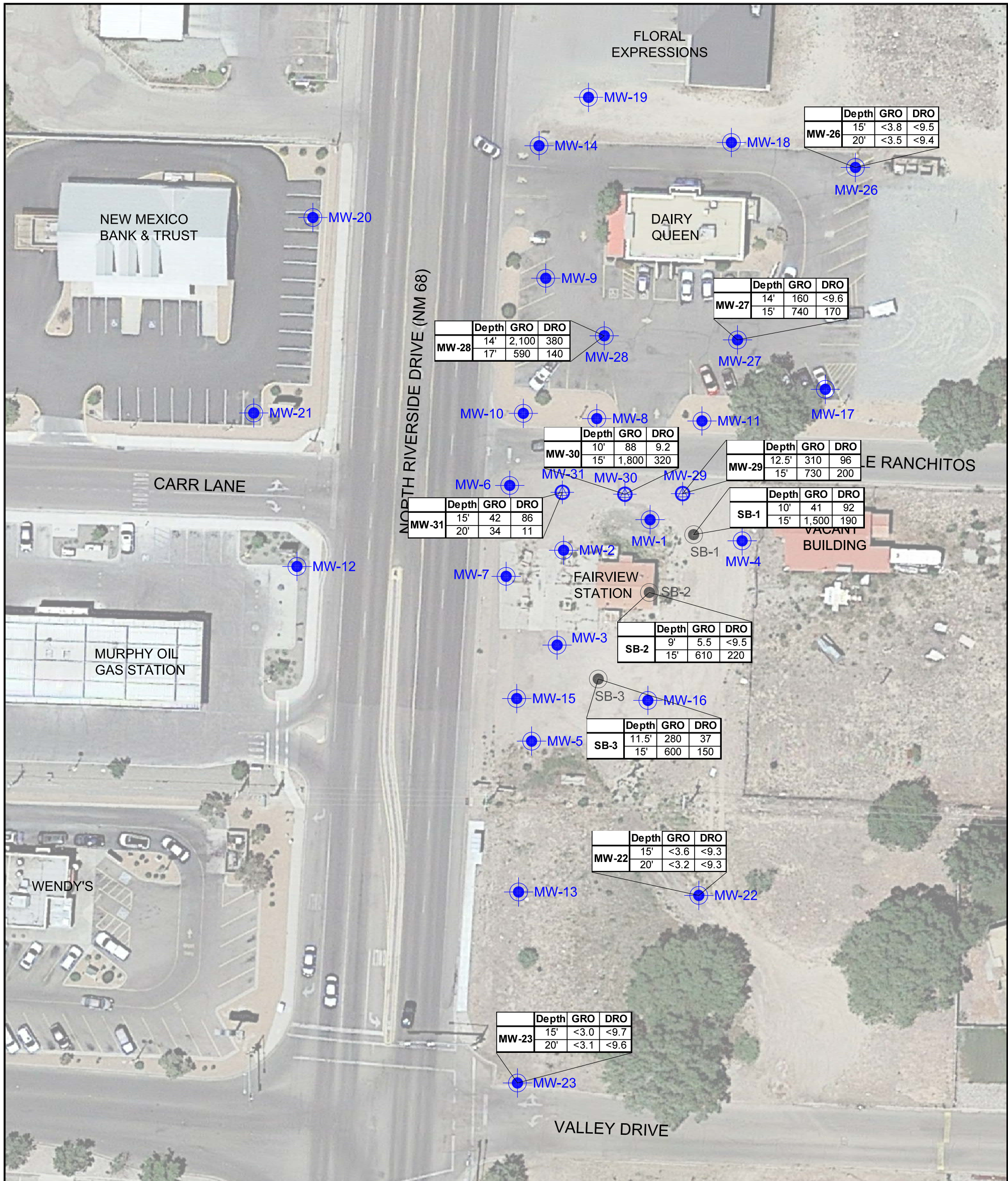
- | | | |
|----------|--|---------------------------|
| MW-7 | | 2" MONITORING WELL |
| MW-30 | | 4" MONITORING WELL |
| SB-1 | | SOIL BORING LOCATION |
| SSMH | | SANITARY SEWER MAN HOLE |
| WV | | WATER VALVE |
| | | FIRE HYDRANT |
| | | NATURAL GAS METER |
| PPO | | POWER POLE |
| LPO | | LIGHT POLE |
| A-----A' | | LINE OF CROSS SECTION |
| | | WATER LINE |
| | | FIBER OPTIC LINE |
| | | OVERHEAD ELECTRIC LINE |
| | | UNDERGROUND ELECTRIC LINE |
| | | SEWER PIPE |
| | | NATURAL GAS LINE |
| | | NMDOT RIGHT-OF-WAY |



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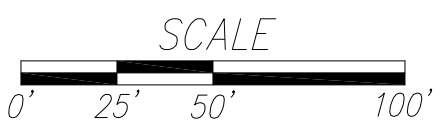
**SITE MAP
 FAIRVIEW STATION
 ESPAÑOLA, NEW MEXICO**

Designed AJE	Drawn AJE	Checked SAM
Date: JUNE, 2019		
Scale: Horiz: 1" = 50' Vert: N/A		
Project No:		
Sheet: Figure 1		



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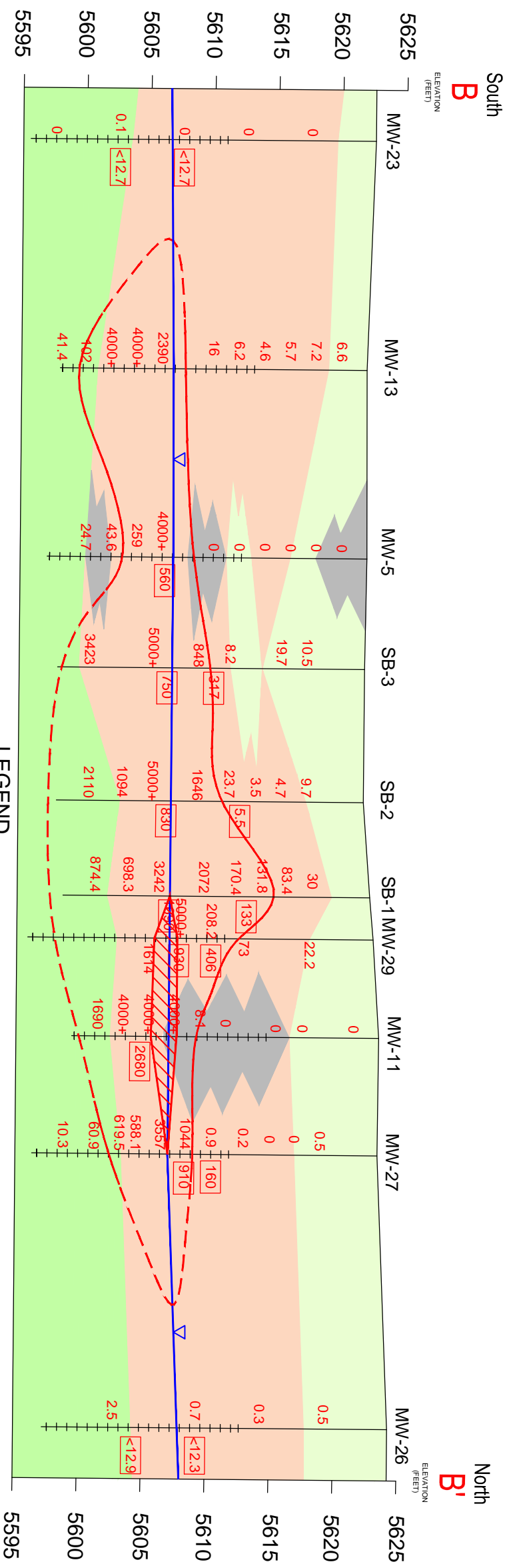
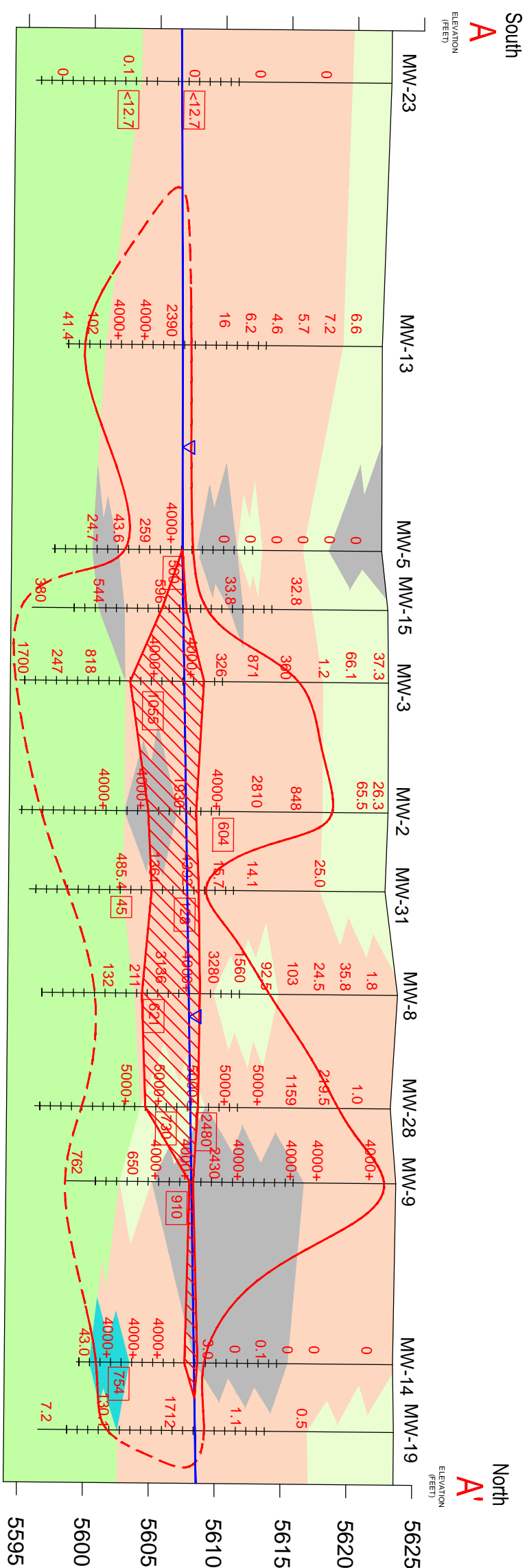
- MW-7 2" MONITORING WELL
- MW-30 4" MONITORING WELL
- SB-1 SOIL BORING LOCATION
- GRO = TOTAL PETROLEUM HYDROCARBONS, GASOLINE RANGE ORGANICS CONCENTRATION IN mg/kg
- DRO = TOTAL PETROLEUM HYDROCARBONS, DIESEL RANGE ORGANICS CONCENTRATION IN mg/kg
- < ANALYTICAL LABORATORY RESULT BELOW PRACTICAL QUANTITATION LIMIT



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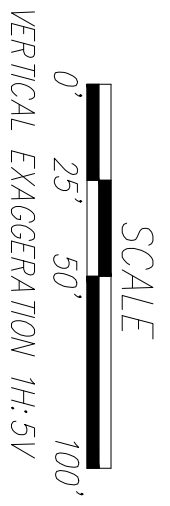
SOIL CONTAMINATION MAP - MARCH 2019 DATA
FAIRVIEW STATION
ESPAÑOLA, NEW MEXICO

Designed AJE	Drawn AJE	Checked SAM
Date: JUNE, 2019		
Scale: Horiz: 1" = 50' Vert: N/A		
Project No:		
Sheet: Figure 2		



- LEGEND**
- Predominantly Clay
 - Predominantly Sand
 - Predominantly Silt
 - Predominantly Sand and Gravel
 - Sediment with Caliche Cement

- Total petroleum hydrocarbon concentration (GRO and DRO)(mg/kg)
- Field headspace measurement by photo-ionization detector (ppm)
- Approximate extent of non-aqueous phase liquid
- Approximate extent of soil contamination
- Approximate potentiometric surface elevation

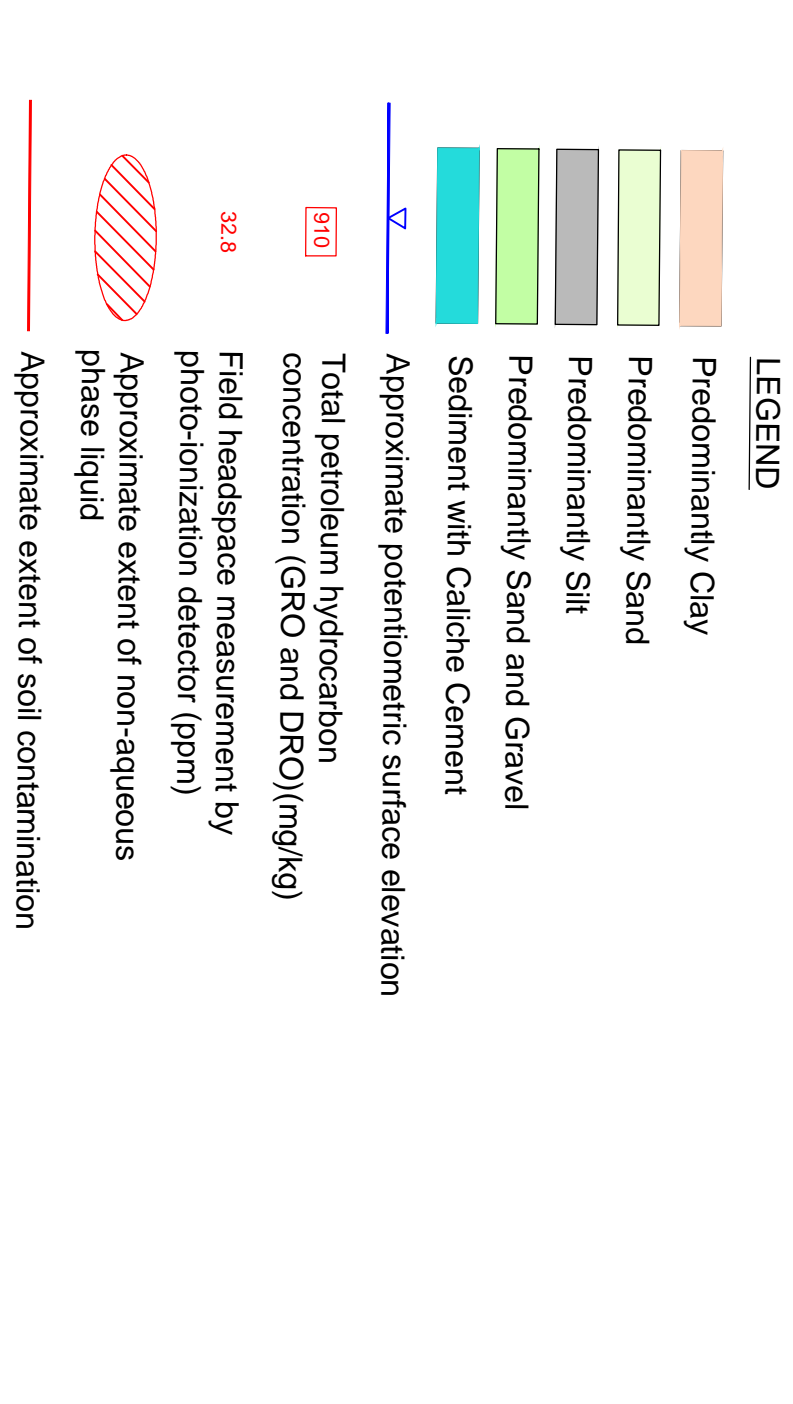
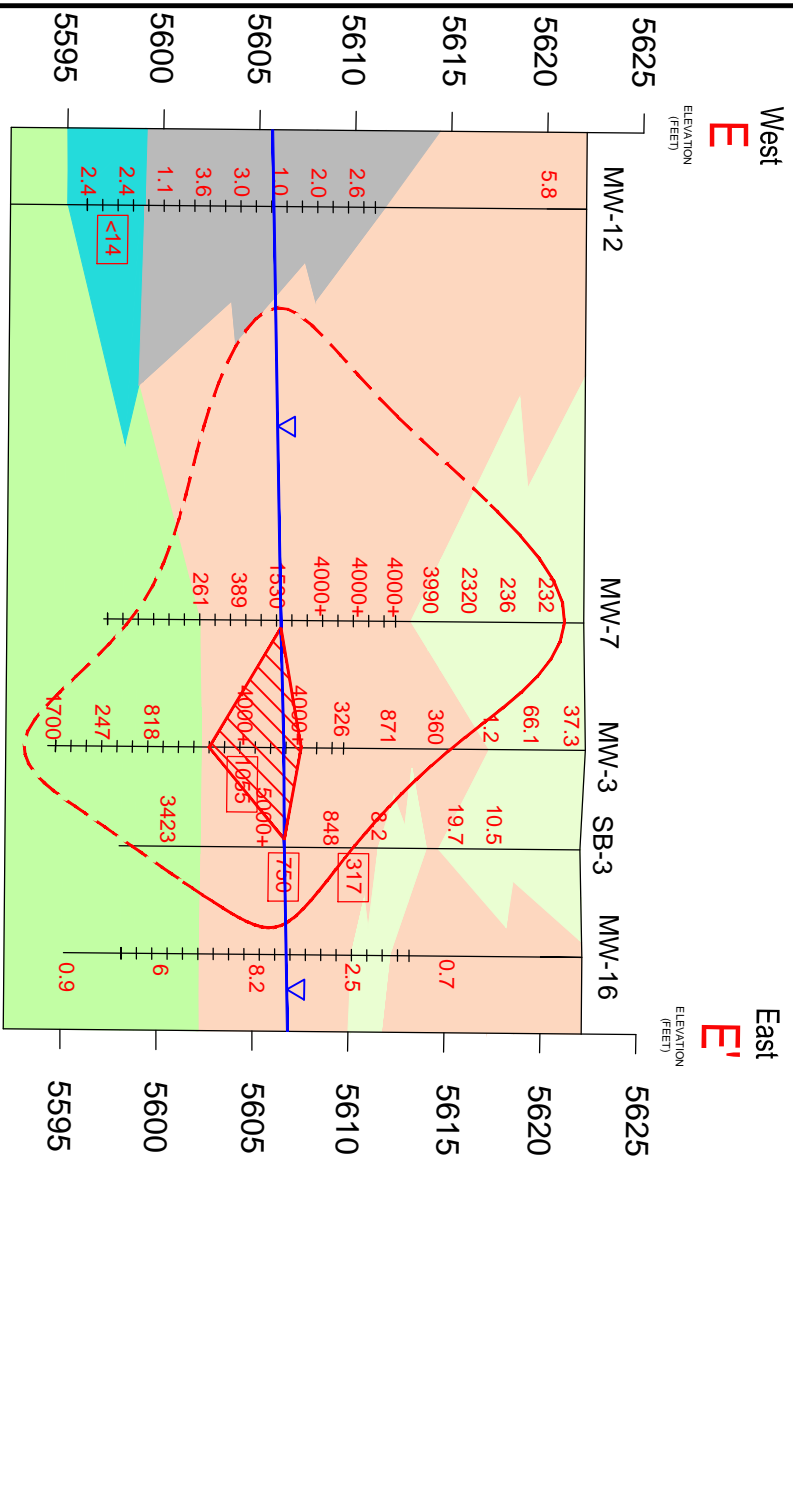
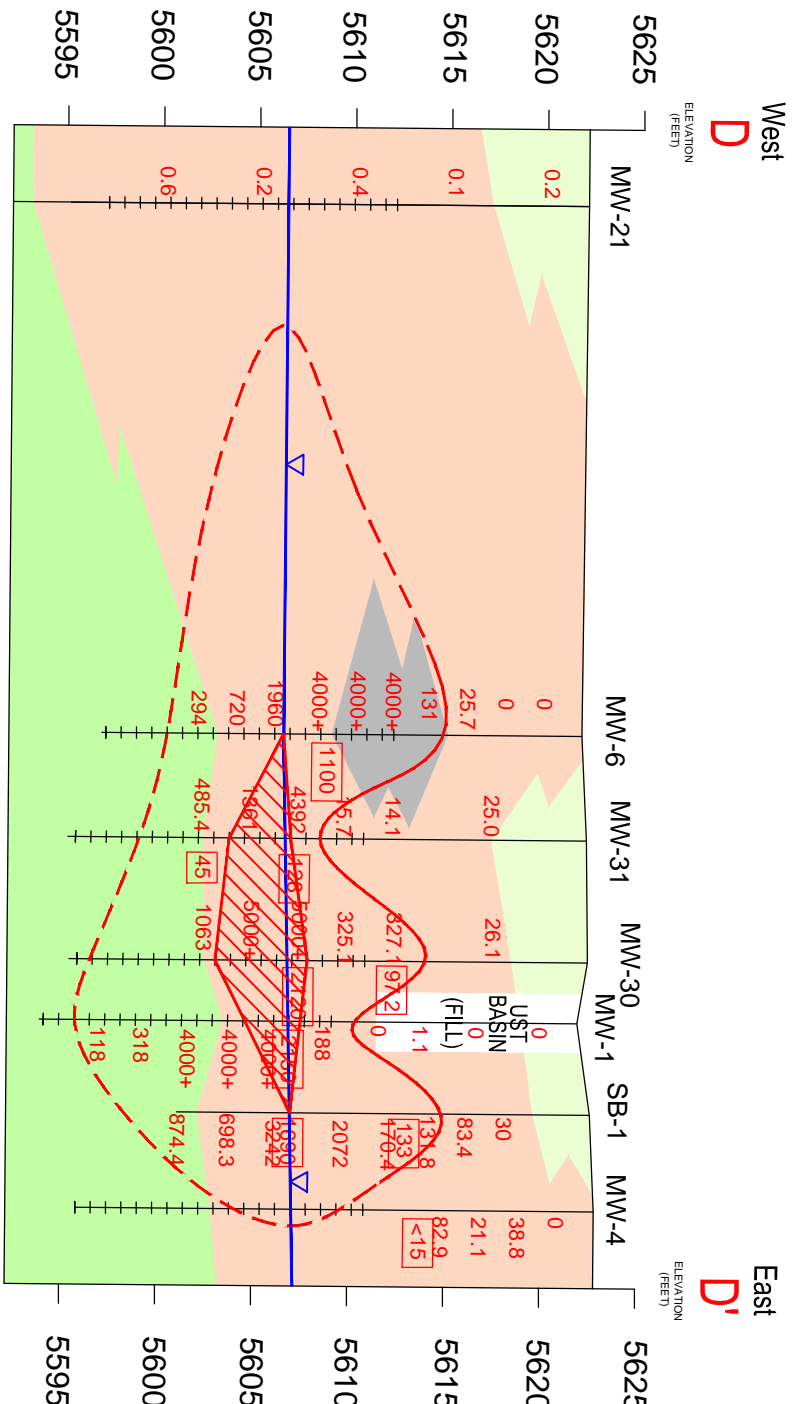
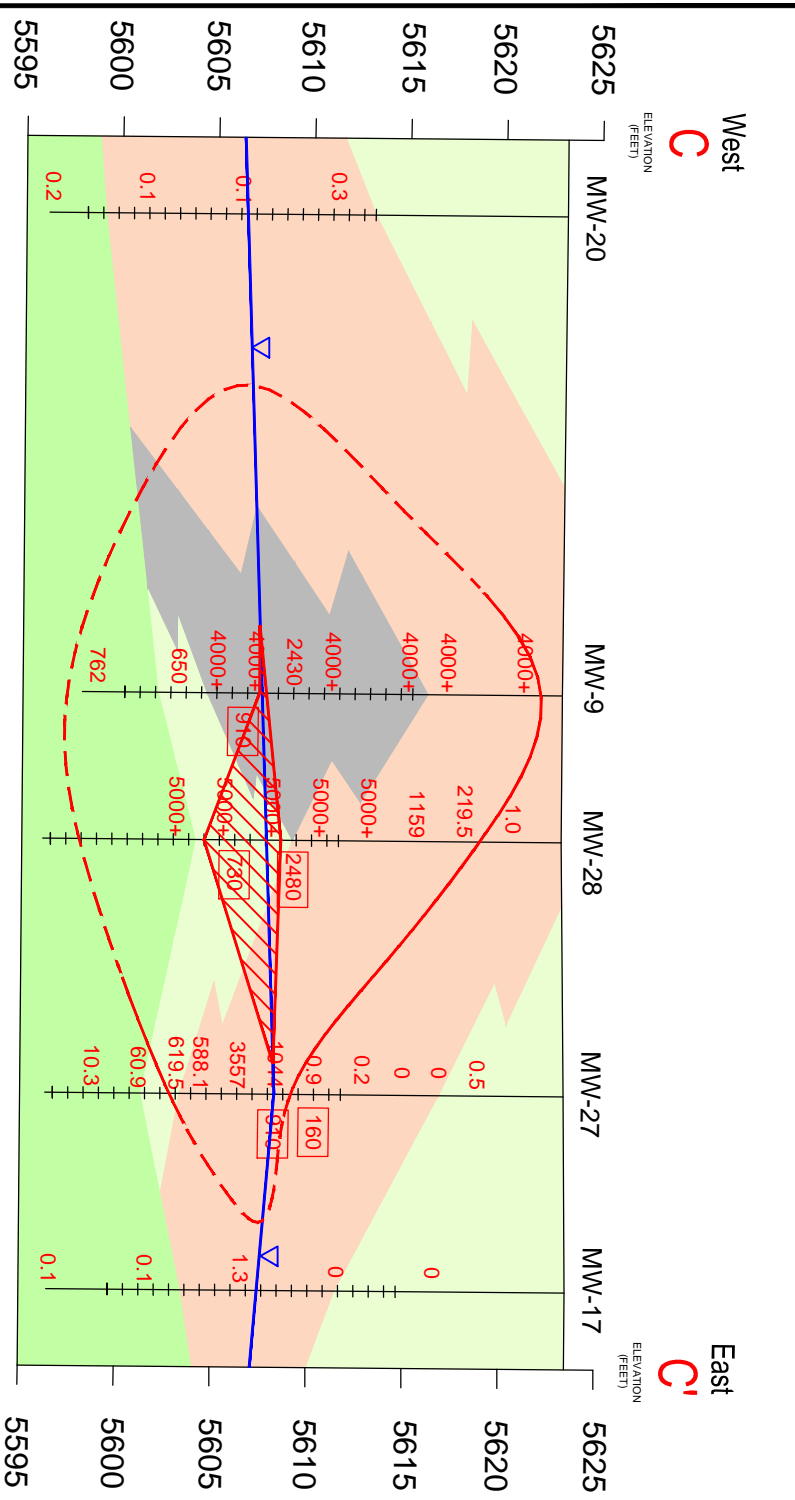


Designed AJE	Drawn AJE	Checked SAM
Date: JUNE 2019		
Scale: Horiz: 1" = 100' Vert: 1" = 100'		
Project No:		
Sheet Figure 3a		

GENERALIZED GEOLOGIC / CONTAMINATION CROSS SECTIONS
FAIRVIEW STATION
ESPAÑOLA, NEW MEXICO

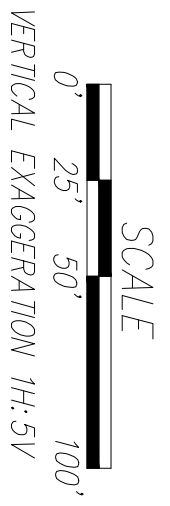
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LEGEND

- Predominantly Clay
- Predominantly Sand
- Predominantly Silt
- Predominantly Sand and Gravel
- Sediment with Caliche Cement
- Approximate potentiometric surface elevation
- Total petroleum hydrocarbon concentration (GRO and DRO)(mg/kg)
- Field headspace measurement by photo-ionization detector (ppm)
- Approximate extent of non-aqueous phase liquid
- Approximate extent of soil contamination



GENERALIZED GEOLOGIC / CONTAMINATION CROSS SECTIONS
FAIRVIEW STATION
ESPAÑOLA, NEW MEXICO

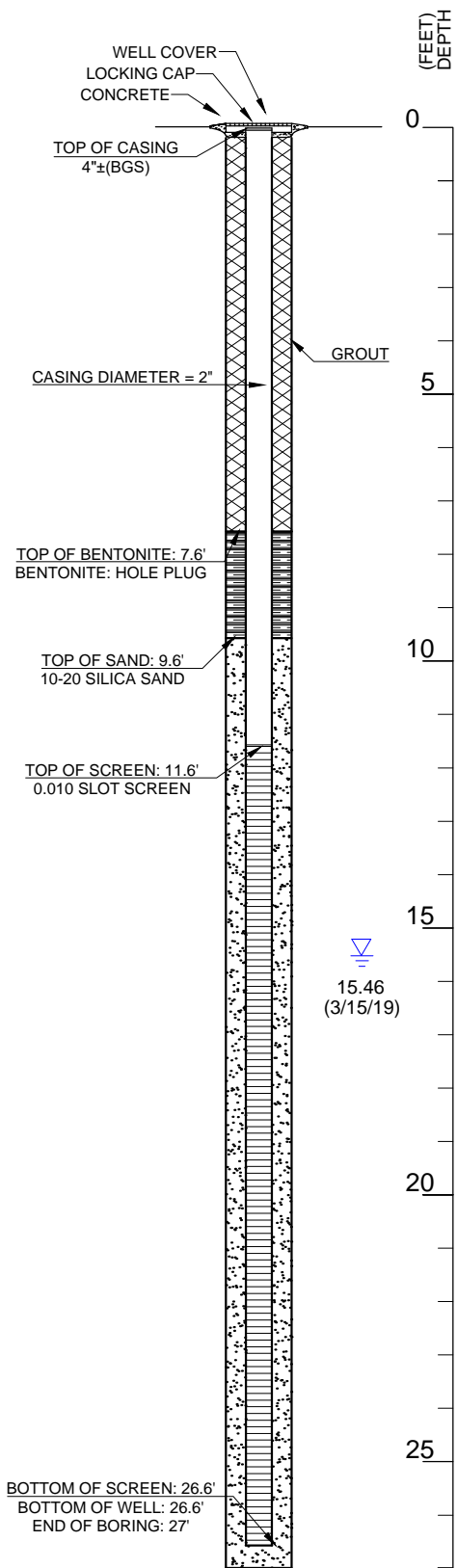
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Date: JUNE 2019		
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Project No:		
Sheet Figure 3b		



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THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS STAMPED, SIGNED AND DATED.

WELL COMPLETION DIAGRAM



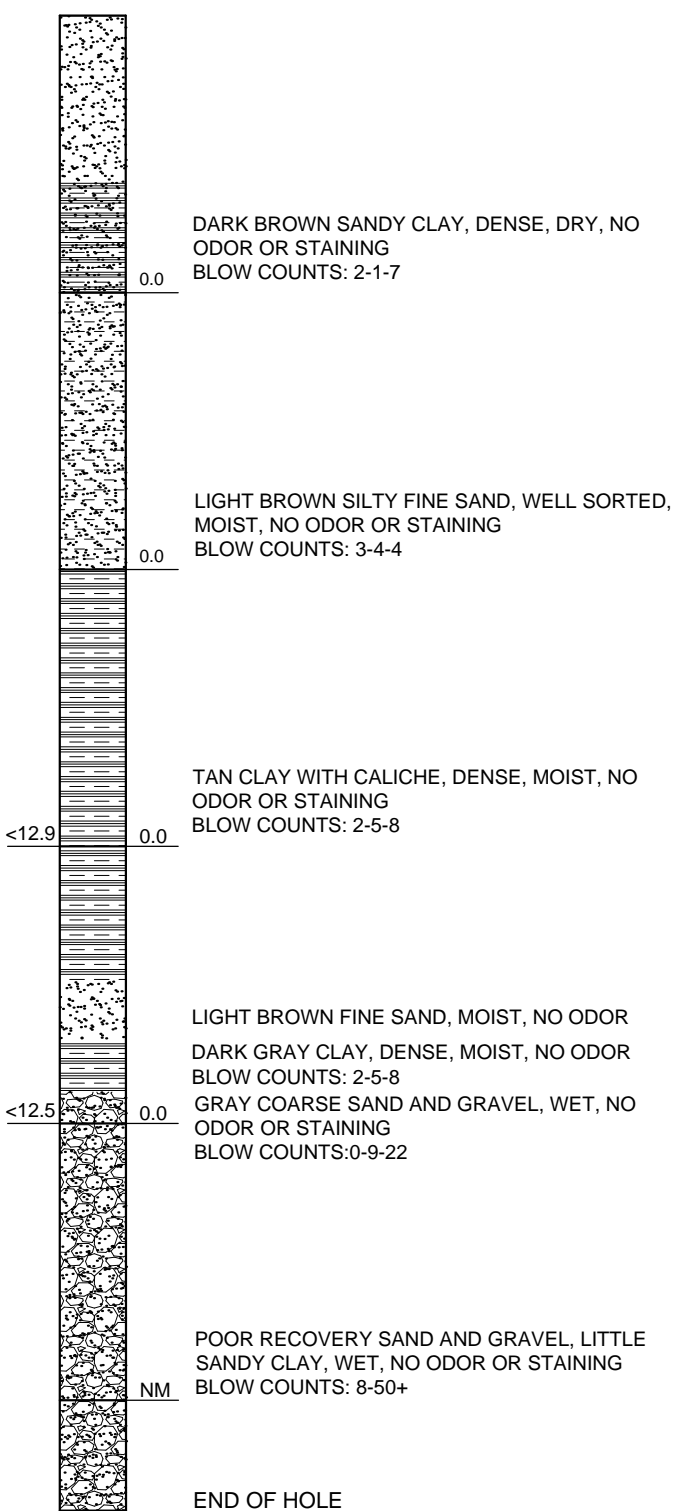
DRILLER: GEOMECHANICS SOUTHWEST INC.
 DATE COMPLETED: MARCH 12, 2018
 BOREHOLE DIAMETER: 8" O.D.
 SAMPLER TYPE: SPLIT SPOON
 DRILLING METHOD: HOLLOW STEM AUGER
 DEPTH TO WATER: 15.46' (3/15/2019)
 TOTAL BORING DEPTH: 27 FT
 LOGGED BY: CASSIE PARKER

EPA 8015 TPH
 GRO + DRO (mg/kg)

SOIL TYPE
 FIELD HEADSPACE RESULTS (ppm)

SOIL BORING LOG

SAMPLE DESCRIPTION



LOG LEGEND

	CLAY		GRAVEL
	SILT		SAND

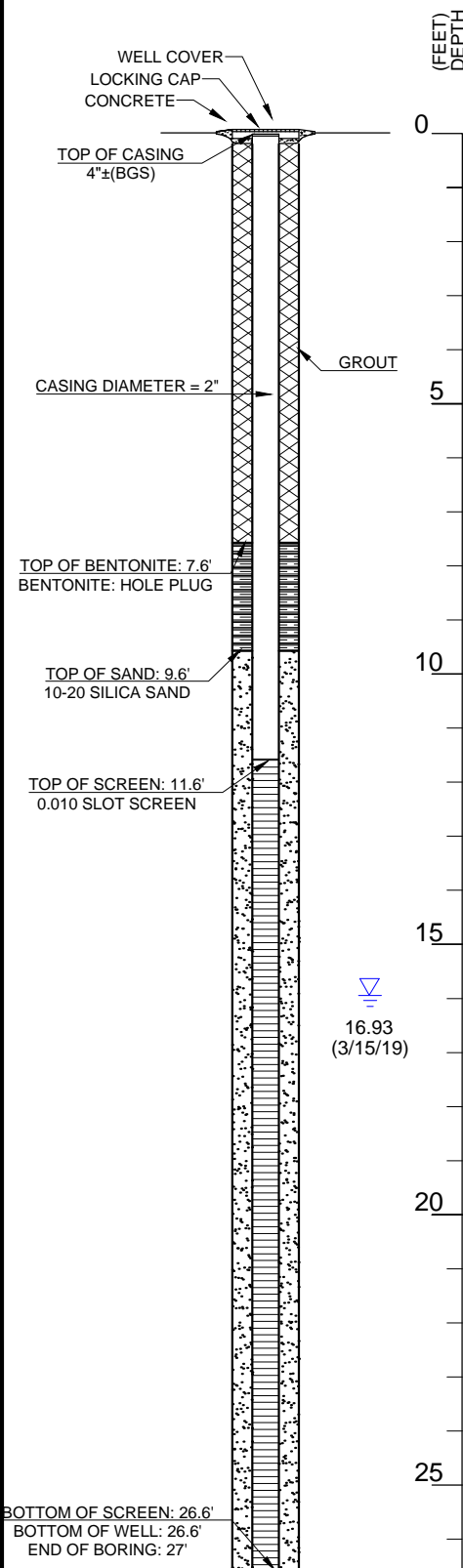
Drawn AJE	Checked SAM	Approved SAM
Date: MAY, 2019	Project No: 3426622	
Scale: Horiz: NA Vert: NA	Sheet: MW-22	

MW-22 WELL COMPLETION AND LITHOLOGICAL LOG
FAIRVIEW STATION UST RELEASE SITE
 1626 N. RIVERSIDE DRIVE, ESPAÑOLA, NEW MEXICO

SOUDER, MILLER & ASSOCIATES

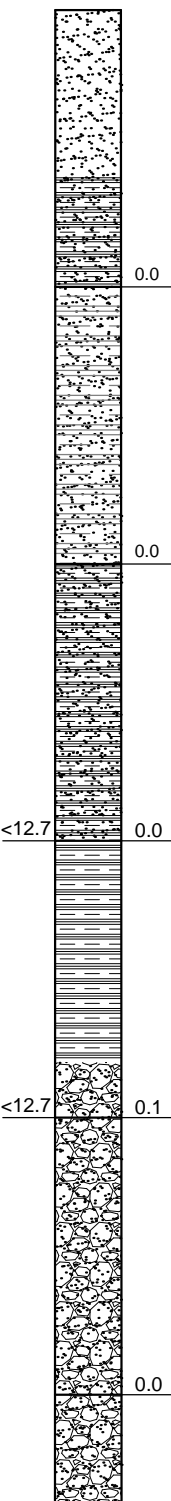
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WELL COMPLETION DIAGRAM



DRILLER: GEOMECHANICS SOUTHWEST INC.
 DATE COMPLETED: MARCH 12, 2018
 BOREHOLE DIAMETER: 8" O.D.
 SAMPLER TYPE: SPLIT SPOON
 DRILLING METHOD: HOLLOW STEM AUGER
 DEPTH TO WATER: 15.93' (3/15/2019)
 TOTAL BORING DEPTH: 27 FT
 LOGGED BY: CASSIE PARKER

EPA 8015 TPH
 GRO + DRO (mg/kg)
 SOIL TYPE
 FIELD HEADSPACE RESULTS (ppm)



SAMPLE DESCRIPTION

0.0 - DARK BROWN SANDY CLAY, DENSE, DRY, NO ODOR OR STAINING
 BLOW COUNTS: 10-9-9

0.0 - BROWN CLAYEY FINE SAND, DRY, NO ODOR OR STAINING
 BLOW COUNTS: 4-6-7

0.0 - BROWN SANDY CLAY, DENSE, MOIST, NO ODOR OR STAINING
 BLOW COUNTS: 4-6-7

0.1 - BROWN CLAY, DENSE, MOIST, NO ODOR
 DARK BROWN FINE TO MEDIUM SAND AND GRAVEL, POORLY SORTED, WET, NO ODOR OR STAINING
 BLOW COUNTS: 2-7-20

0.0 - DARK GRAY SAND AND GRAVEL, LITTLE SANDY CLAY, WET, NO ODOR OR STAINING
 BLOW COUNTS: NOT RECORDED

END OF HOLE



SOIL BORING LOG

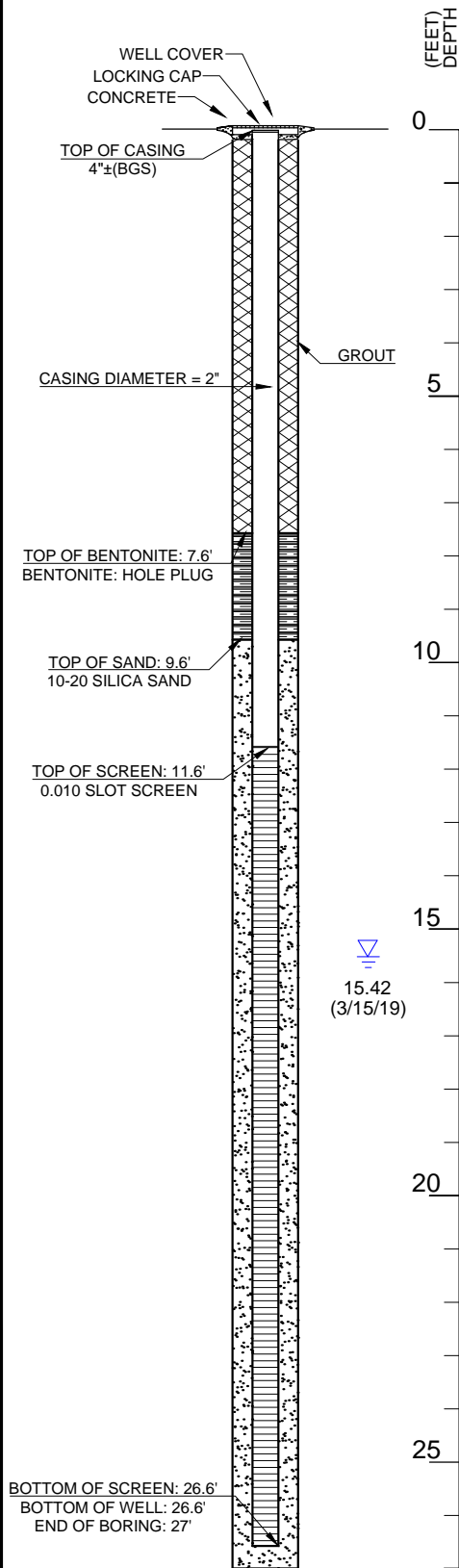
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Date: MAY, 2019	Project No: 3426622	
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MW-23 WELL COMPLETION AND LITHOLOGICAL LOG
FAIRVIEW STATION UST RELEASE SITE
 1626 N. RIVERSIDE DRIVE, ESPAÑOLA, NEW MEXICO

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WELL COMPLETION DIAGRAM



DRILLER: GEOMECHANICS SOUTHWEST INC.
DATE COMPLETED: MARCH 13, 2018
BOREHOLE DIAMETER: 8" O.D.
SAMPLER TYPE: SPLIT SPOON
DRILLING METHOD: HOLLOW STEM AUGER
DEPTH TO WATER: 16.42' (3/15/2019)
TOTAL BORING DEPTH: 27 FT
LOGGED BY: CASSIE PARKER

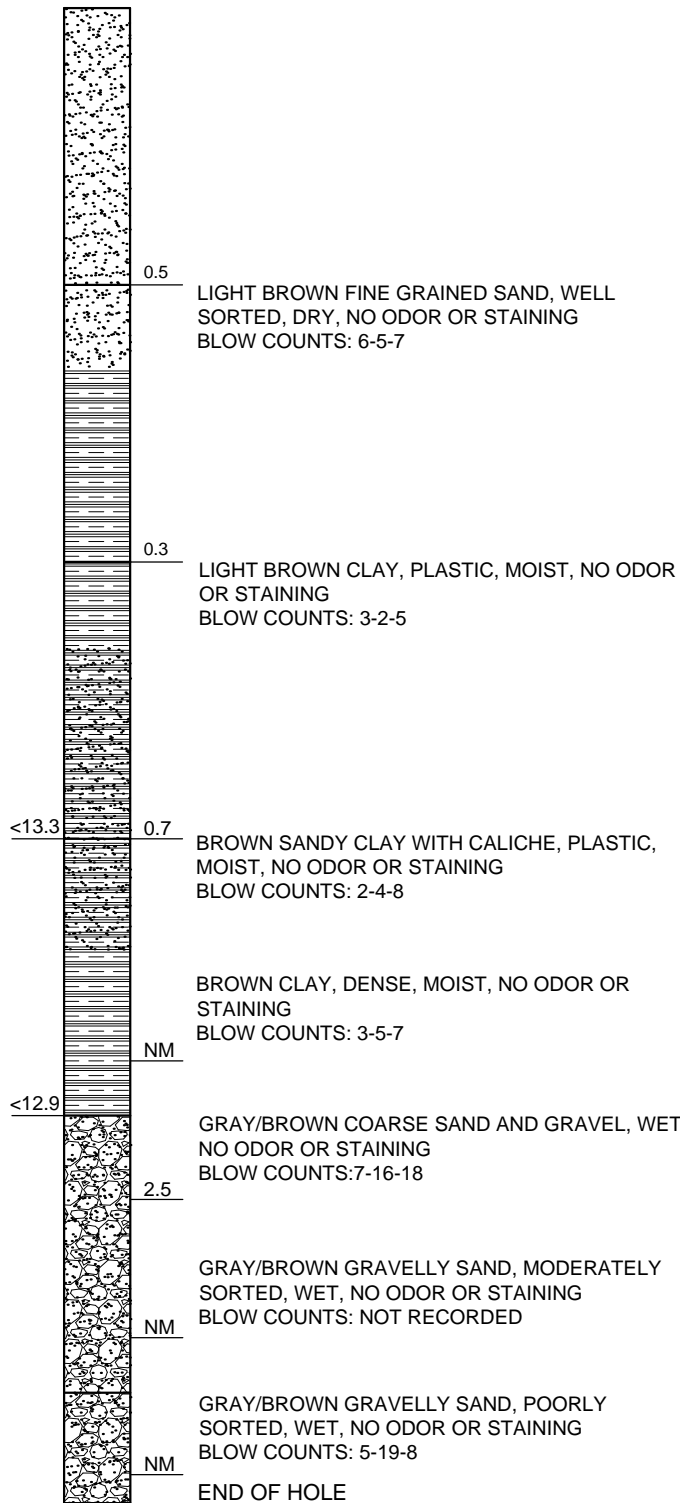
EPA 8015 TPH
GRO + DRO (mg/kg)

SOIL
TYPE

FIELD HEADSPACE
RESULTS (ppm)

SOIL BORING LOG

SAMPLE DESCRIPTION



LOG LEGEND



Drawn AJE	Checked SAM	Approved SAM
Date: MAY, 2019	Project No: 3426622	
Scale: Horiz: NA Vert: NA	Sheet: MW-26	

MW-26 WELL COMPLETION AND LITHOLOGICAL LOG
FAIRVIEW STATION UST RELEASE SITE
1626 N. RIVERSIDE DRIVE, ESPAÑOLA, NEW MEXICO

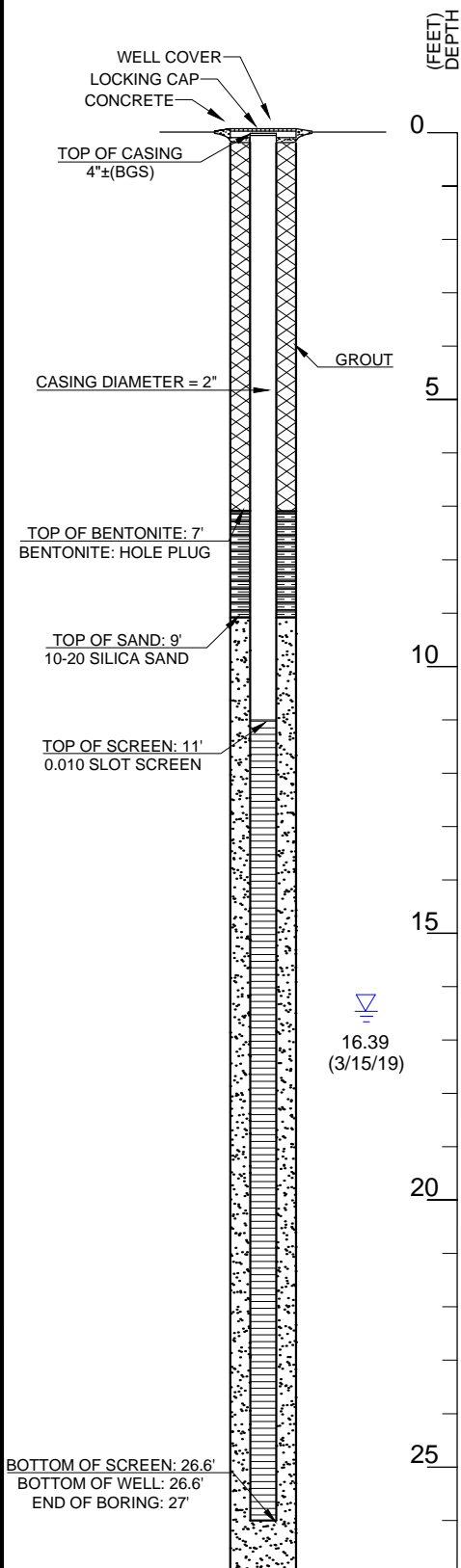
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WELL COMPLETION DIAGRAM



DRILLER: GEOMECHANICS SOUTHWEST INC.
DATE COMPLETED: MARCH 14, 2018
BOREHOLE DIAMETER: 8" O.D.
SAMPLER TYPE: SPLIT SPOON
DRILLING METHOD: HOLLOW STEM AUGER
DEPTH TO WATER: 16.39' (3/15/2019)
TOTAL BORING DEPTH: 27 FT
LOGGED BY: CASSIE PARKER

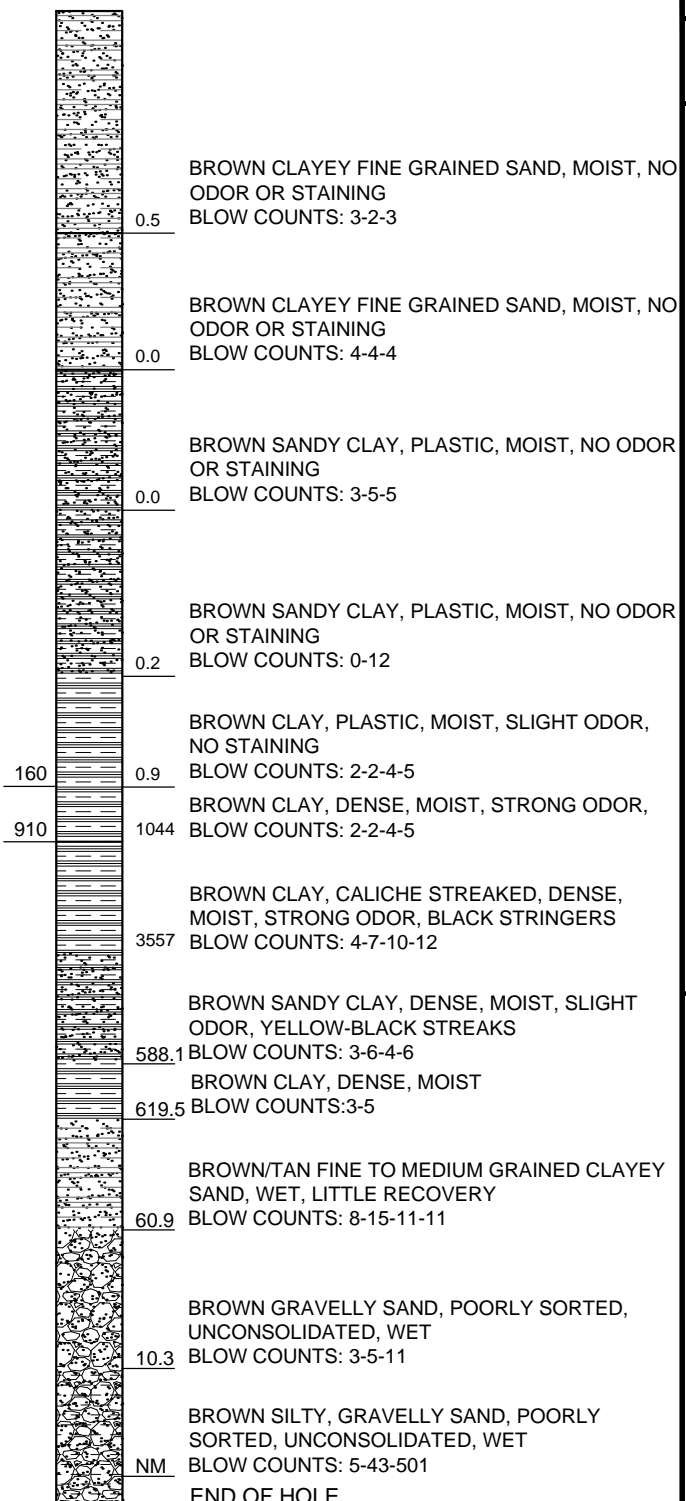
EPA 8015 TPH
GRO + DRO (mg/kg)

SOIL TYPE

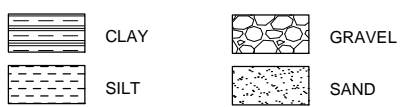
FIELD HEADSPACE RESULTS (ppm)

SOIL BORING LOG

SAMPLE DESCRIPTION



LOG LEGEND



Drawn AJE	Checked SAM	Approved SAM
Date: MAY, 2019	Project No: 3426622	
Scale: Horiz: NA Vert: NA	Sheet: MW-27	

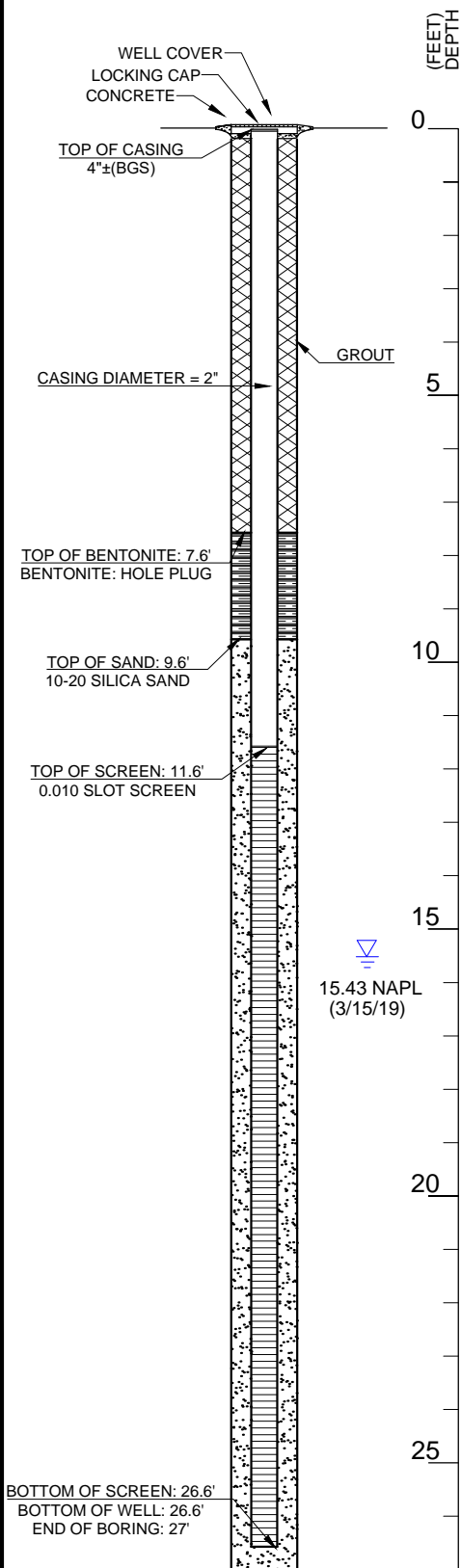
MW-27 WELL COMPLETION AND LITHOLOGICAL LOG
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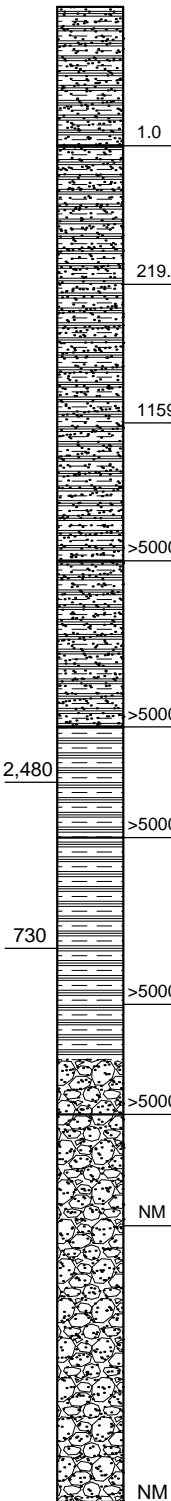
WELL COMPLETION DIAGRAM



DRILLER: GEOMECHANICS SOUTHWEST INC.
DATE COMPLETED: MARCH 13, 2018
BOREHOLE DIAMETER: 8" O.D.
SAMPLER TYPE: SPLIT SPOON
DRILLING METHOD: HOLLOW STEM AUGER
DEPTH TO WATER: 15.43' (NAPL)(3/15/2019)
TOTAL BORING DEPTH: 27 FT
LOGGED BY: CASSIE PARKER

EPA 8015 TPH
GRO + DRO (mg/kg)

SOIL TYPE
FIELD HEADSPACE RESULTS (ppm)



SAMPLE DESCRIPTION

DARK BROWN SANDY CLAY, PLASTIC, MOIST, NO ODOR OR STAINING
BLOW COUNTS: 2-2-1

DARK BROWN SANDY CLAY, DENSE, MOIST, BLACK STREAKING, STRONG ODOR
BLOW COUNTS: 2-2-5

BROWN SANDY CLAY, PLASTIC, MOIST, MODERATE ODOR
BLOW COUNTS: 2-2-5

BROWN SANDY CLAY, PLASTIC, MOIST, MODERATE ODOR
BLOW COUNTS: 1-1-2-3

DARK BROWN SANDY CLAY, DENSE, MOIST, BLACK STREAKS, STRONG ODOR
BLOW COUNTS: 3-7

BROWN CLAY WITH CALICHE, DENSE, MOD. ODOR, BLACK STAINING
BLOW COUNTS: 2-5-5-7

DARK YELLOW-BROWN CLAY, DENSE, MOIST, MODERATE ODOR, YELLOW STREAKING
BLOW COUNTS: 3-5-7

CLAY AND GRAVEL
BLOW COUNTS: 8-4-2

GRAY GRAVELLY COARSE GRAINED SAND, SOME CLAY
BLOW COUNTS: 13-12-14-7

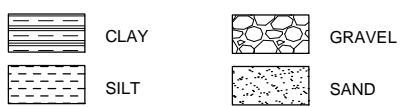
GRAY GRAVELLY COARSE GRAINED SAND, SOME CLAY
BLOW COUNTS: 9-23-16-24

NM END OF HOLE

SOIL BORING LOG

SAMPLE DESCRIPTION

LOG LEGEND



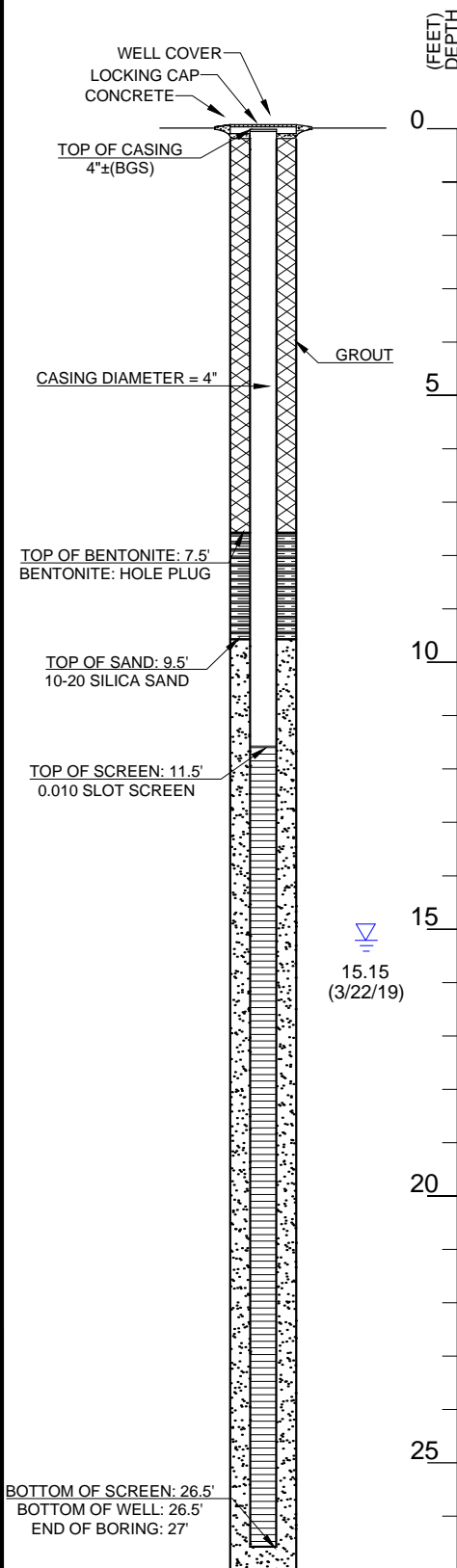
Drawn AJE	Checked SAM	Approved SAM
Date: MAY, 2019	Project No: 3426622	
Scale: Horiz: NA Vert: NA	Sheet: MW-28	

MW-28 WELL COMPLETION AND LITHOLOGICAL LOG
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WELL COMPLETION DIAGRAM



(FEET) DEPTH

0

5

10

15

20

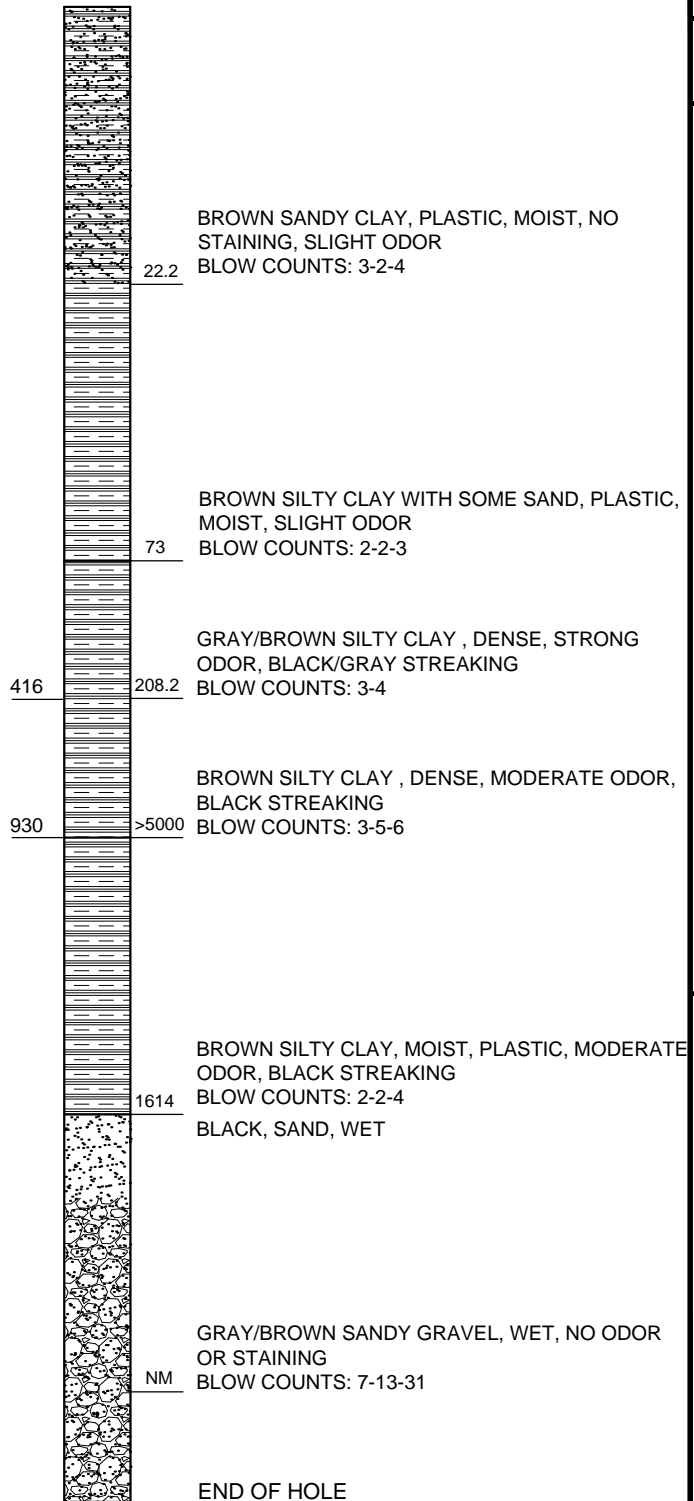
25

EPA 8015 TPH
GRO + DRO (mg/kg)

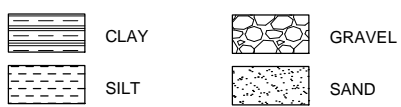
SOIL TYPE
FIELD HEADSPACE RESULTS (ppm)

SOIL BORING LOG

SAMPLE DESCRIPTION



LOG LEGEND



DRILLER: GEOMECHANICS SOUTHWEST INC.
DATE COMPLETED: MARCH 18, 2018
BOREHOLE DIAMETER: 12" O.D.
SAMPLER TYPE: SPLIT SPOON
DRILLING METHOD: HOLLOW STEM AUGER
DEPTH TO WATER: 15.15' (3/22/2019)
TOTAL BORING DEPTH: 27 FT
LOGGED BY: CASSIE PARKER

Drawn AJE	Checked SAM	Approved SAM
Date: MAY, 2019	Project No: 3426622	
Scale: Horiz: NA Vert: NA	Sheet: MW-29	

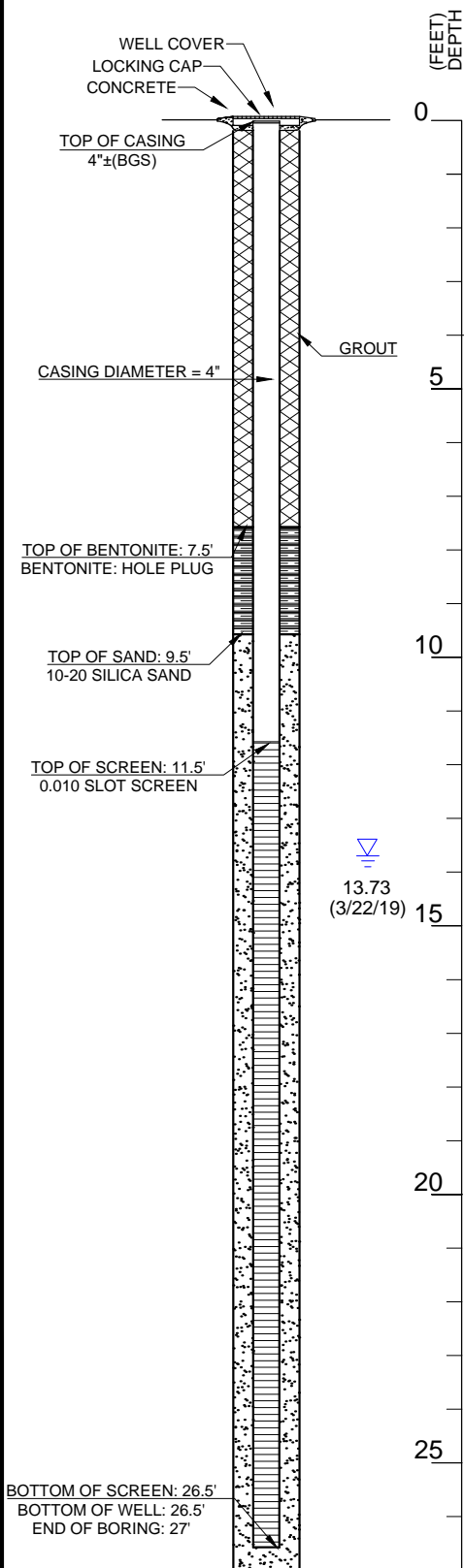
MW-29 WELL COMPLETION AND LITHOLOGICAL LOG
FAIRVIEW STATION UST RELEASE SITE
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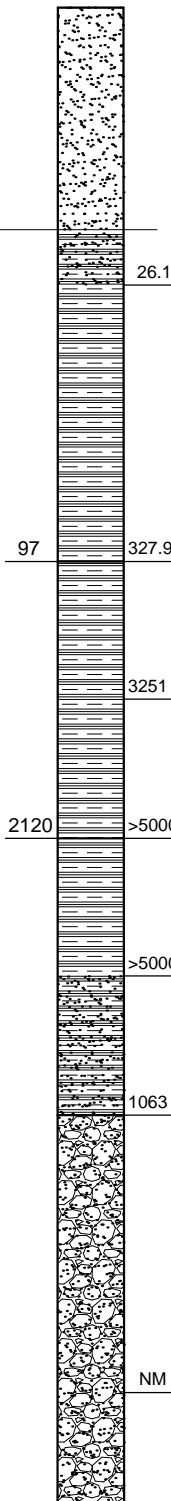
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WELL COMPLETION DIAGRAM



DRILLER: GEOMECHANICS SOUTHWEST INC.
 DATE COMPLETED: MARCH 18, 2018
 BOREHOLE DIAMETER: 12" O.D.
 SAMPLER TYPE: SPLIT SPOON
 DRILLING METHOD: HOLLOW STEM AUGER
 DEPTH TO WATER: 13.73' (NAPL)(3/15/2019)
 TOTAL BORING DEPTH: 27 FT
 LOGGED BY: CASSIE PARKER

EPA 8015 TPH
 GRO + DRO (mg/kg)
 SOIL TYPE
 FIELD HEADSPACE RESULTS (ppm)



SOIL BORING LOG

SAMPLE DESCRIPTION

BROWN SAND TRANSITION TO SANDY CLAY WITH GRAVEL, PLASTIC, MOIST, NO STAINING, NO ODOR
 BLOW COUNTS: 3-2-2

26.1

BROWN SILTY CLAY, PLASTIC, MOIST, MODERATE ODOR
 BLOW COUNTS: 1-1-1

97 327.9

3251

GRAY/BROWN SILTY CLAY, PLASTIC, MOIST, STRONG ODOR, BLACK/GRAY STREAKING
 BLOW COUNTS: 2-3-5

2120 >5000

DARK GRAY CLAY WITH CALICHE, DENSE, STRONG ODOR
 BLOW COUNTS: 3-4-7

>5000

GRAY SANDY CLAY WITH SOME GRAVEL, PLASTIC, STRONG ODOR, GRAY STREAKING
 BLOW COUNTS: 2-11-12

1063

BLACK SANDY GRAVEL WITH SOME CLAY, WET, SLIGHT ODOR, BLACK STREAKING
 BLOW COUNTS: 8-5-11

NM

GRAY SAND WITH GRAVEL, WET, SLIGHT ODOR
 BLOW COUNTS: 1-3-14

END OF HOLE

LOG LEGEND



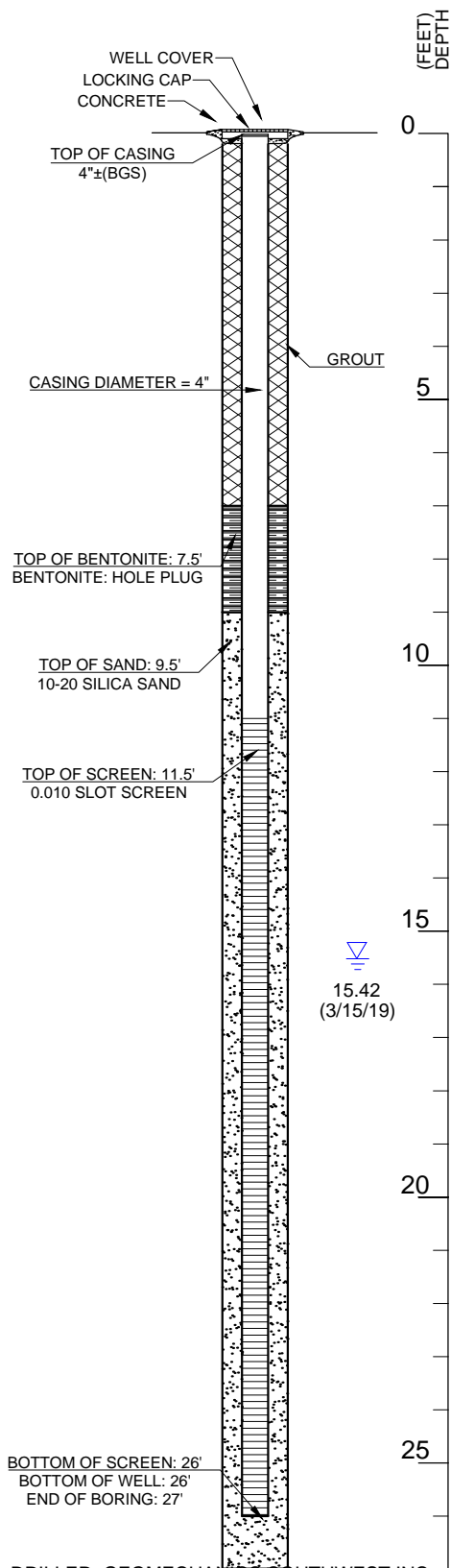
Drawn AJE	Checked SAM	Approved SAM
Date: MAY, 2019	Project No.: 3426622	
Scale: Horiz: NA Vert: NA	Sheet: MW-30	

MW-30 WELL COMPLETION AND LITHOLOGICAL LOG
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WELL COMPLETION DIAGRAM



DRILLER: GEOMECHANICS SOUTHWEST INC.
DATE COMPLETED: MARCH 18, 2018
BOREHOLE DIAMETER: 12" O.D.
SAMPLER TYPE: SPLIT SPOON
DRILLING METHOD: HOLLOW STEM AUGER
DEPTH TO WATER: 15.27' (3/22/2019)
TOTAL BORING DEPTH: 27 FT
LOGGED BY: CASSIE PARKER

EPA 8015 TPH
GRO + DRO (mg/kg)



SOIL BORING LOG

SAMPLE DESCRIPTION

BROWN SILTY CLAY WITH SAND, DENSE, MOIST, NO STAINING, NO ODOR
BLOW COUNTS: 3-5-6

BROWN INTERBEDDED SILTY CLAY AND SANDY CLAY, DENSE, MOIST, NO ODOR OR STAINING
BLOW COUNTS: 2-1-2

BROWN SILTY CLAY, PLASTIC, MOIST, SLIGHT ODOR, BLACK STREAKING
BLOW COUNTS: 1-1-2

BROWN CLAY WITH CALICHE, DRY, STRONG ODOR
BLOW COUNTS: 4-8-9

BROWN SANDY CLAY WITH CALICHE, PLASTIC, MODERATE ODOR
BLOW COUNTS: 2-3-3

ABRUPT CLAY TO SAND TRANSITION
GRAY SAND, WET, STRONG ODOR,
BLOW COUNTS: 1-8-12

END OF HOLE

LOG LEGEND



Drawn AJE	Checked SAM	Approved SAM
Date: MAY, 2019	Project No: 3426622	
Scale: Horiz: NA Vert: NA	Sheet: MW-31	

MW-31 WELL COMPLETION AND LITHOLOGICAL LOG
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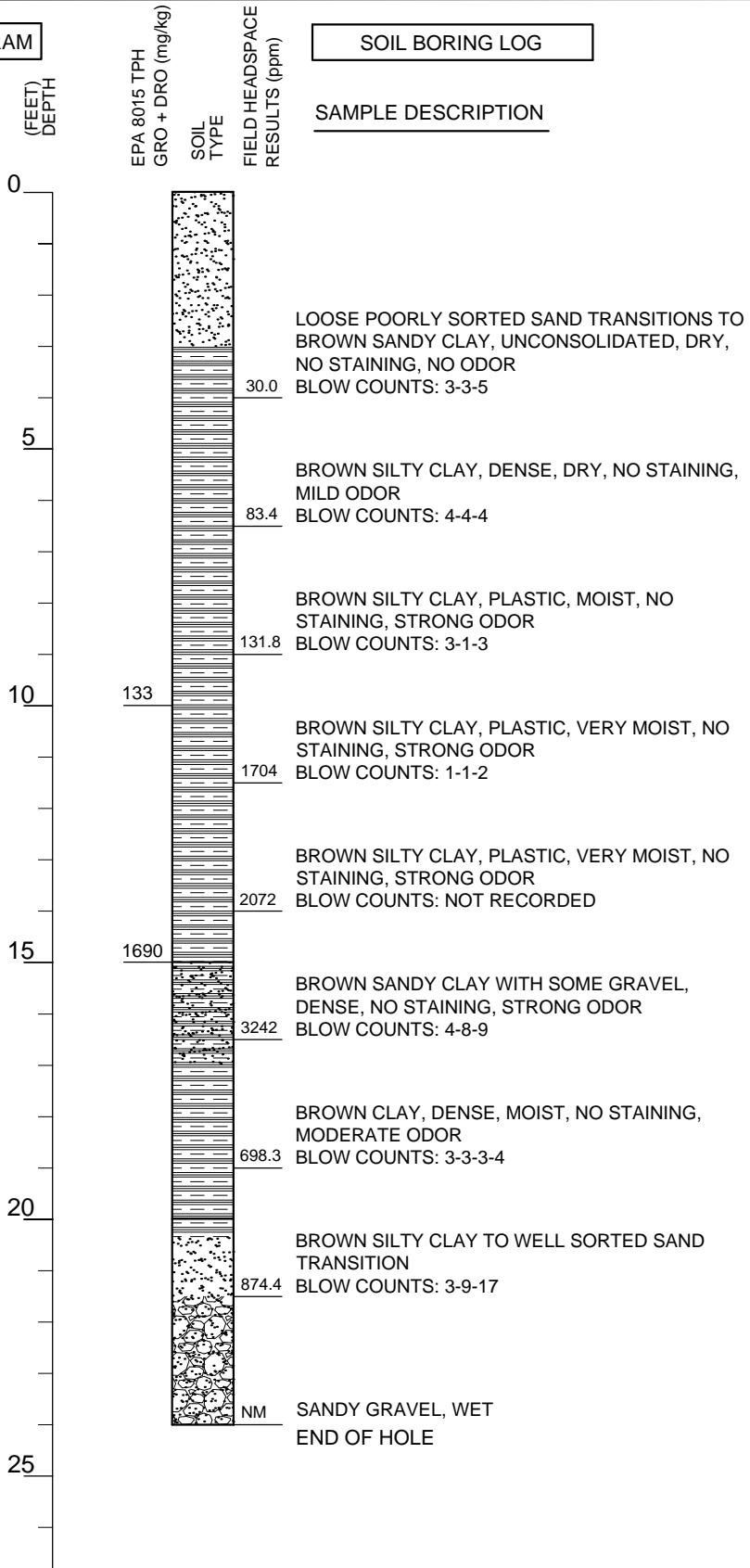


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WELL COMPLETION DIAGRAM

SOIL BORING LOG

SAMPLE DESCRIPTION



DRILLER: GEOMECHANICS SOUTHWEST INC.
 DATE COMPLETED: MARCH 14, 2018
 BOREHOLE DIAMETER: 8" O.D.
 SAMPLER TYPE: SPLIT SPOON
 DRILLING METHOD: HOLLOW STEM AUGER
 DEPTH TO WATER: NM
 TOTAL BORING DEPTH: 24 FT
 LOGGED BY: CASSIE PARKER

LOG LEGEND



Drawn AJE	Checked SAM	Approved SAM
Date: MAY, 2019	Project No: 3426622	
Scale: Horiz: NA Vert: NA	Sheet: SB-1	

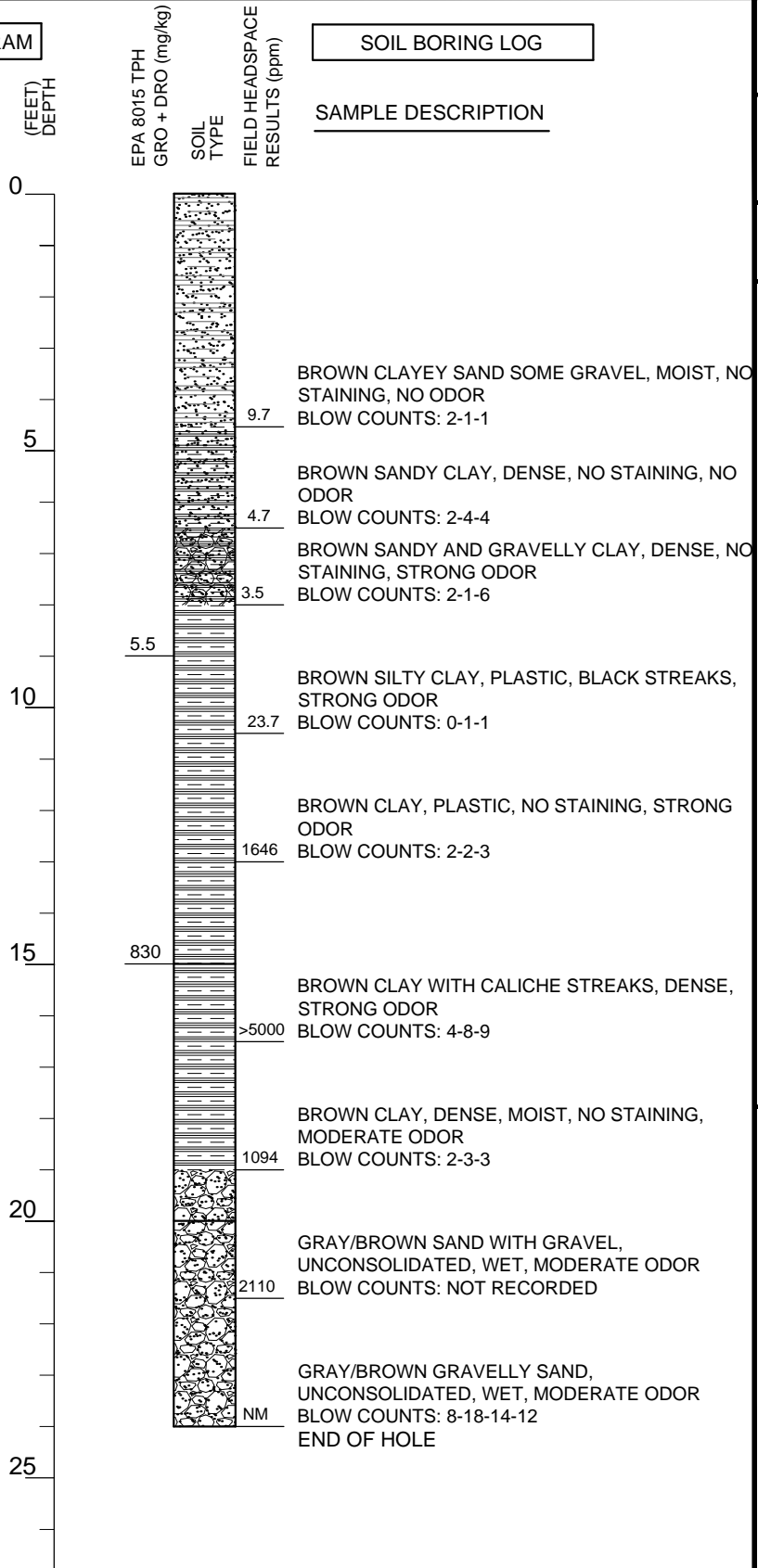
SB-1 LITHOLOGICAL LOG
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WELL COMPLETION DIAGRAM

SOIL BORING LOG

SAMPLE DESCRIPTION



DRILLER: GEOMECHANICS SOUTHWEST INC.
 DATE COMPLETED: MARCH 14, 2018
 BOREHOLE DIAMETER: 8" O.D.
 SAMPLER TYPE: SPLIT SPOON
 DRILLING METHOD: HOLLOW STEM AUGER
 DEPTH TO WATER: NM
 TOTAL BORING DEPTH: 24 FT
 LOGGED BY: CASSIE PARKER

LOG LEGEND



Drawn AJE	Checked SAM	Approved SAM
Date: MAY, 2019	Project No.: 3426622	
Scale: Horiz: NA Vert: NA	Sheet: SB-2	

SB-2 LITHOLOGICAL LOG
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WELL COMPLETION DIAGRAM

SOIL BORING LOG

(FEET)
DEPTH

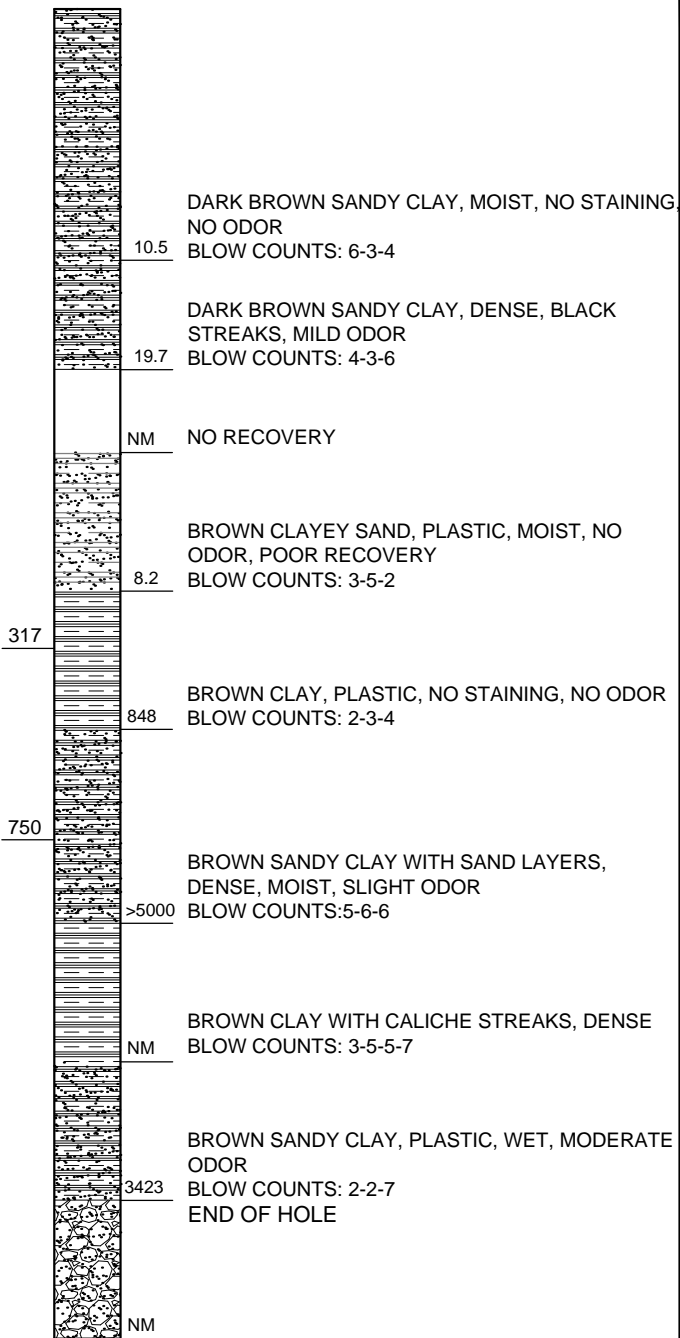


EPA 8015 TPH
GRO + DRO (mg/kg)

SOIL
TYPE

FIELD HEADSPACE
RESULTS (ppm)

SAMPLE DESCRIPTION



DRILLER: GEOMECHANICS SOUTHWEST INC.
DATE COMPLETED: MARCH 14, 2018
BOREHOLE DIAMETER: 8" O.D.
SAMPLER TYPE: SPLIT SPOON
DRILLING METHOD: HOLLOW STEM AUGER
DEPTH TO WATER: NM
TOTAL BORING DEPTH: 24 FT
LOGGED BY: CASSIE PARKER

LOG LEGEND



Drawn AJE	Checked SAM	Approved SAM
Date: MAY, 2019	Project No.: 3426622	
Scale: Horiz: NA Vert: NA	Sheet: SB-2	

SB-3 LITHOLOGICAL LOG
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Project: Fairview
 Project #:
 SMA Field Tech: C. R. C. W.
 Borehole# 513-1
 Rig/Sampler Type: Auger
 Driller: GSF
 Start Date/Time: 3/14/19
 Stop Date/Time: 3/14/19
 Borehole Diameter: 4"

Sample Depth	Time	Color	Secondary Soil Type	Primary Soil Type	Sorted	Grain Size (Sands Only)	Consolidation	Moisture	OVA results (ppm)	Remarks (Use trace, occasional, frequent and with to describe increasing amounts)
2.5-4	1049	Light tan Dark brown gray yellow olive red	Gravelly Silty Clayey	Boulder Sand Cobble Silt Pebble Clay Gravel	Poorly	Very Coarse Coarse Medium Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	30.0	3-3-5 Sand → clay loose poorly sorted sand to packed clay / No odor
5-6.5	1054	Light tan Dark brown gray yellow olive red	Gravelly Silty Clayey	Boulder Sand Cobble Silt Pebble Clay Gravel	Poorly	Very Coarse Coarse Medium Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	85.4	4-4-4 densely packed silty clay some sand grains Mild/HC odor
7.5-9	1058	Light tan Dark brown gray yellow olive red	Gravelly Silty Clayey	Boulder Sand Cobble Silt Pebble Clay Gravel	Poorly	Very Coarse Coarse Medium Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	131.6	3-1-3 Plastic silty clay / Heavy fecal Strong/HC odor
10-11.5	1102	Light tan Dark brown gray yellow olive red	Gravelly Silty Clayey	Boulder Sand Cobble Silt Pebble Clay Gravel	Poorly	Very Coarse Coarse Medium Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	1704	1-1-2 Strong HC odor / very moist Strong/HC odor
12.5-14	1108	Light tan Dark brown gray yellow olive red	Gravelly Silty Clayey	Boulder Sand Cobble Silt Pebble Clay Gravel	Poorly	Very Coarse Coarse Medium Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	1072	4 Sneak above Strong HC odor
15-16.5	1113	Light tan Dark brown gray yellow olive red	Gravelly Silty Clayey	Boulder Sand Cobble Silt Pebble Clay Gravel	Well	Very Fine Coarse Medium Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	3242	4-6-9 Silty clay w/ some gravel Strong HC odor
17-19	1122	Light tan Dark brown gray yellow olive red	Gravelly Silty Clayey	Boulder Sand Cobble Silt Pebble Clay Gravel	Poorly	Very Fine Coarse Medium Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	674.3	3-3-3-4 Hard packed clay Mod HC odor Perosity sample
20-21.5	1126	Light tan Dark brown gray yellow olive red	Gravelly Silty Clayey	Boulder Sand Cobble Silt Pebble Clay Gravel	Poorly	Very Fine Coarse Medium Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	874.4	3-9-17 Silty clay → Sand clay to well sorted sand transitions

2204
 118
 Notes: Sand dry gravel / wet Perosity sample

Project: FA-3000 Borehole# MW-27 Start Date/Time: 3/8/19
 Project # SMA Field Tech: C. Garcia Rig/Sampler Type: Auger Stop Date/Time: 3/14/19
 Driller: BSJ Borehole Diameter: 4"

Sample Depth	Time	Color	Secondary Soil Type	Primary Soil Type	Sorted	Grain Size (Sands Only)	Consolidation	Moisture	OVA results (ppm)	Remarks (Use trace, occasional, frequent and with to describe increasing amounts)
1240		Light tan Dark brown gray yellow olive red	Gravelly sandy silty clayey	Boulder Sand Cobble Silt Pebble Clay Gravel	Well	Very Coarse Coarse Medium Fine Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	12.2	3-2-4 Poorly sorted sandy clay slight MC odor
1247		Light tan Dark brown gray yellow olive red	Gravelly sandy silty clayey	Boulder Sand Cobble Silt Pebble Clay Gravel	Poorly	Very Coarse Coarse Medium Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	7.3	2-2-3 Silty clay w/ some sand mixed in slight MC odor
1252		Light tan Dark brown gray yellow olive red	Gravelly sandy silty clayey	Boulder Sand Cobble Silt Pebble Clay Gravel	Well	Very Coarse Coarse Medium Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	12.5	5-4 Well sorted silty clay blue/grey streaking slight MC odor
1259		Light tan Dark brown gray yellow olive red	Gravelly sandy silty clayey	Boulder Sand Cobble Silt Pebble Clay Gravel	Poorly	Very Coarse Coarse Medium Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	7.5	5-5-6 Silty clay / Blue streaking MC odor
1302		Light tan Dark brown gray yellow olive red	Gravelly sandy silty clayey	Boulder Sand Cobble Silt Pebble Clay Gravel	Well	Very Coarse Coarse Medium Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	16	2-2-4 Clay → sand Transition from clay to sand clay matrix to sand matrix
1319		Light tan Dark brown gray yellow olive red	Gravelly sandy silty clayey	Boulder Sand Cobble Silt Pebble Clay Gravel	Well	Very Coarse Coarse Medium Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet		7-13-31 Poorly sorted gravelly sand no odor

6.5
5-6

*

*

Notes:

Project: Fossilview Borehole# MW-30 Start Date/Time: 3/18/19
 Project # SMA Field Tech: C. Parker Rig/Sampler Type: Auger Stop Date/Time: 3/18/19
 Driller: GSI Borehole Diameter: 4"

Sample Depth	Time	Color	Secondary Soil Type	Primary Soil Type	Sorted	Grain Size (Sands Only)	Consolidation	Moisture	OVA results (ppm)	Remarks (Use trace, occasional, frequent and with to describe increasing amounts)
5-6.5	1429	Light tan Dark brown gray yellow olive red	Gravelly Sandy Silty Clayey	Boulder Cobble Pebble Gravel	Poorly	Very Coarse Coarse Medium Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	26.1	3-2-2 Sand → sandy clay sand drains down to lower by mixed sandy clay w/ gravel New odor
10-11.5	1436	Light tan Dark brown gray yellow olive red	Gravelly Sandy Silty Clayey	Boulder Cobble Pebble Gravel	Poorly	Very Coarse Coarse Medium Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	152.0	1-1-1 silty clay / very sandy clay Red HC odor
12.5-14	1448	Light tan Dark brown gray yellow olive red	Gravelly Sandy Silty Clayey	Boulder Cobble Pebble Gravel	Wet Poorly	Very Coarse Coarse Medium Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	152.5	2-3-5 silty clay / w/ black gray streaky strong HC odor
15-16.5	1451	Light tan Dark brown gray yellow olive red	Gravelly Sandy Silty Clayey	Boulder Cobble Pebble Gravel	Wet Poorly	Very Coarse Coarse Medium Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	7500	3-4-7 pale grey clay w/ caliche strong HC odor
17.5-19	1502	Light tan Dark brown gray yellow olive red	Gravelly Sandy Silty Clayey	Boulder Cobble Pebble Gravel	Wet Poorly	Very Coarse Coarse Medium Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	7500	2-11-12 silty HC odor sandy clay w/ some rock grey streaking / floats a little yellow
20-21.5	1509	Light tan Dark brown gray yellow olive red	Gravelly Sandy Silty Clayey	Boulder Cobble Pebble Gravel	Wet Poorly	Very Coarse Coarse Medium Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	1063	28-5-11 Black sandy gravel. wet / some silty odor
25-26.5	1514	Light tan Dark brown gray yellow olive red	Gravelly Sandy Silty Clayey	Boulder Cobble Pebble Gravel	Wet Poorly	Very Coarse Coarse Medium Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet		1-3-14 loose unconsolidated sand some silty gravel chunks some silty HC odor

Notes:

Project: Falkner
 Project #: 31
 SMA Field Tech: C. Porter
 Borehole #: MW-31
 Rig/Sampler Type: Auger
 Driller: CS
 Start Date/Time: 3/15/19
 Stop Date/Time: 4:00
 Borehole Diameter: 4"

Sample Depth	Time	Color	Secondary Soil Type	Primary Soil Type	Sorted	Grain Size (Sands Only)	Consolidation	Moisture	OVA results (ppm)	Remarks (Use trace, occasional, frequent and with to describe increasing amounts)
5-6.5	1608	Light tan Dark brown gray yellow olive red	Gravelly Sandy Silty Clayey	Boulder Cobble Pebble Gravel	Poorly Well	Very Coarse Coarse Medium Fine Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	95.0	3-5-6 Packaged silty clay / some sand mixed in No odor
10-11.5	1611	Light tan Dark brown gray yellow olive red	Gravelly Sandy Silty Clayey	Boulder Cobble Pebble Gravel	Poorly Well	Very Coarse Coarse Medium Fine Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	14.1	2-1-2 Poorly mixed clay. Sudden transitions between silty clay -1-2-2 No odor
17.5-19	1617	Light tan Dark brown gray yellow olive red	Gravelly Sandy Silty Clayey	Boulder Cobble Pebble Gravel	Poorly Well	Very Coarse Coarse Medium Fine Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	15.7	1-1-2 Silty silty clay / Black streaking / slight HC odor
17.5-19	1624	Light tan Dark brown gray yellow olive red	Gravelly Sandy Silty Clayey	Boulder Cobble Pebble Gravel	Poorly Well	Very Coarse Coarse Medium Fine Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	48.7	4-8-9 Dry clay / calcic mixed through / strong HC odor
17.5-19	1632	Light tan Dark brown gray yellow olive red	Gravelly Sandy Silty Clayey	Boulder Cobble Pebble Gravel	Poorly Well	Very Coarse Coarse Medium Fine Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	136.1	2-3-3 Poor recovery Sandy clay / calcic present Moist HC odor. See yellow
20-21.5	1646	Light tan Dark brown gray yellow olive red	Gravelly Sandy Silty Clayey	Boulder Cobble Pebble Gravel	Poorly Well	Very Coarse Coarse Medium Fine Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet	15.4	1-8-12 Clay → some Abrupt clay → sand transition sand Black + wet strong HC
25-26.5		Light tan Dark brown gray yellow olive red	Gravelly Sandy Silty Clayey	Boulder Cobble Pebble Gravel	Poorly Well	Very Coarse Coarse Medium Fine Very Fine	Rock Semi-consolidated Dense Plastic Unconsolidated	Dry Moist Wet		9-16-24 low wet sand w/ gravel slight HC odor

Notes:

26.8
 15.0
 9.6

3/12/19

Fairview Station

1080 SMA + GSI onsite
 1085 HASP Done
 1096 Sealing up at MW-23
 1100 Measured DTW @ MW-13: 15.60
 1116 Drilled to a depth of ~27 ft
 waiting for water table to
 stabilize
 1141 Casing in pulling in sand
 FDP = 26.6'
 Screen → 9.6 - 26.6
 Sand → 7.6 - 26.6
 Benbank 5.6 - 7.6
 *Working for need need to gravel
 1208 TP. piped out of MW-23
 Moved to MW-22

FOURNEW

1325 Beginning drilling of MW-22

1428 Final Depth 26.6

1430 Running casing in

1437 Tripping out of MW-22

1524 Tripped out of MW-22
Beginning to move to SB-3

1547 Moved to SB-3

MW-22

Screen

9.6-26.6

Sand

7.6-26.6

Benlank

5.6-7.6

* Waiting to grow

1600

Screen being

through

1630

SMB + GST

leaving site

Forecast

3/13/19

0750 SMD + GSI outside

0745 Seeding up of MW-28

0750 Measured DTW @ MW-8

NAPL: 14.85

Water: 17.05

0800 Drill set up

0810 Beginning drilling

0830 Found black pipe. 1 call
penning is clear. old pipe

0840 Filling and packing hole

0850 shifted over 2 feet

0900 First sample of MW-28

0905 Strong odor from hole beginning
to better

Fairness

5/13/19

1018	MW-9	DNW 15.45	
1020		Drilled to depth of 27'	
1046		Begin dripping out	
1212		Tripped out of MW-28	
	Screen	→ 29' - 12	
	Sand	→ 29' - 10	
	Benhamite	→ 8-10	
	* Waiting	to grass	
1226	Moved	to MW-26	
1323		Beginning drilling of MW-26	
1345		First porosity sample taken @ 17-19'	
1417		Second porosity sample taken @ 22-24'	
1605	TD	@ 26.6	

Screen: 26.6-11.6
 Sand: 26.6-9.6

Chips: 9.0-7.6
 ... to avoid

Trained out

3/14/19

0800 SMA + GSI asble

0800 Set up + drilling @ MW-27

0840 Begging to barrel soil

1000 Pulling sand down hole

TD @ 26.0 Screen: 26-11
Sand: 26-9

* Working to grade

1140 Tripped out of MW-27
Chgs: 9-7

1130 Setting up ad SB-3

1201 Barreling soil

1235 1st porosity sample taken
@ 17.5'

1252 2nd porosity sample taken
@ 22'

1258 Tripping out of SB-3

1330 Tripping out complete

3/14/17

Fairview

1460 Moved to SB-2

1470 Beginning drilling on SB-2

1515 SB-2 drilled to 21.5'

1525 Tripping out of SB-2

1546 Tripping complete

3/14/19

F015 V125

1000 SMA + 6 SI outside

1015 Setting up at SB-31

1130 Drilling complete at SB-1

1135 Tripping out of SB-1

1215 Tripping completed

1230 Setting up @ MW-29

1240 Drilling MW-29

1319 Drilling complete for MW-29

1325 Tripping out of MW-29

1355 Decon augers

1424 Set up + beginning to drill MW-30

1518 MW-30 complete, tripping
out

1545 Tripping out complete

1550 Setting up @ MW-31

1600 Drilling at MW-31

3/19/19

7:30 A. Eschenbacher on site
GSI already on site

GSI to grout + do surface
completions on MW-26-28
before DR opens

Development of MW-27

TD = 25.9

Pumps dry after 2.5 g
875 gal pumped over several
cycles of recovery

MW-26 development

10 min @ 2.5 gpm - slightly s.lty
TD 25.6

10:30 - GSI move to complete
MW-22 + 23

12:45 Begin reaming MW-27

13:00 Begin building MW-29 well
TD 26.5 - 6.5 to 11.5
Sand to 9.5
Bentonite to 7.5

3/19/19

NAPL Pumping

MW-2 DTP: 14.55 DTW 19.15

Skimmer full 0.25 g

5.5 gal pumped

0.7 NAPL THICKNESS AFTER

MW-3 DTP 15.75 DTW 20.73

2.0 gal (0.25 g in skimmer)

0.17 NAPL AFTER RECOV.

MW-15 DTP 15.88 DTW 17.49

0.75 gal pumped, 0.24' THICKN.

MW-11 DTP 17.11 DTW 18.88

1.5 gal pumped, 0.40' NAPL
THICKNESS AFTER RECOV.

MW-8 16.30 DTP / DTW 20.75

1.5 gal NAPL pumped

0.35' NAPL AFTER RECOV.

14:44 move to MW-30

14:50 Begin developing MW-29
at 2.5 gpm stop @ 15:20
DTP 17:05 DTW 17:07

15:10 Begin building MW-30
TD 26.0
screen 26.5 - 11.5
sand to 9.5
Bentonite to 7.5
DTP 16.28 DTW 17.73

16:10 Finish MW-30 and move to
MW-31

16:20 - Develop MW-30
~ 2.5 gpm

16:50 stop dev. of MW-30

Begin building MW-31
TD 26.0 5.9
screen 26-11
sand to 9
Bentonite to 7'



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

March 21, 2019

Alan Eschenbacher
Souder Miller & Associates
5454 Venice Ave. NE Suite D
Albuquerque, NM 87113
TEL: (505) 299-0942
FAX

RE: Fairview Station

OrderNo.: 1903782

Dear Alan Eschenbacher:

Hall Environmental Analysis Laboratory received 15 sample(s) on 3/15/2019 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 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-23 15'

Project: Fairview Station

Collection Date: 3/12/2019 10:54:00 AM

Lab ID: 1903782-001

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	3/19/2019 8:24:04 PM	G58482
Surr: BFB	102	70-130		%Rec	1	3/19/2019 8:24:04 PM	G58482
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/20/2019 3:40:16 PM	43760
Surr: DNOP	101	70-130		%Rec	1	3/20/2019 3:40:16 PM	43760
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	ND	0.015		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Toluene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Ethylbenzene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Methyl tert-butyl ether (MTBE)	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,2,4-Trimethylbenzene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,3,5-Trimethylbenzene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,2-Dichloroethane (EDC)	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,2-Dibromoethane (EDB)	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Naphthalene	ND	0.060		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1-Methylnaphthalene	ND	0.12		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
2-Methylnaphthalene	ND	0.12		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Acetone	ND	0.45		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Bromobenzene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Bromodichloromethane	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Bromoform	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Bromomethane	ND	0.091		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
2-Butanone	ND	0.30		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Carbon disulfide	ND	0.30		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Carbon tetrachloride	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Chlorobenzene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Chloroethane	ND	0.060		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Chloroform	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Chloromethane	ND	0.091		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
2-Chlorotoluene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
4-Chlorotoluene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
cis-1,2-DCE	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
cis-1,3-Dichloropropene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,2-Dibromo-3-chloropropane	ND	0.060		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Dibromochloromethane	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Dibromomethane	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,2-Dichlorobenzene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,3-Dichlorobenzene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-23 15'

Project: Fairview Station

Collection Date: 3/12/2019 10:54:00 AM

Lab ID: 1903782-001

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Dichlorodifluoromethane	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,1-Dichloroethane	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,1-Dichloroethene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,2-Dichloropropane	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,3-Dichloropropane	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
2,2-Dichloropropane	ND	0.060		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,1-Dichloropropene	ND	0.060		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Hexachlorobutadiene	ND	0.060		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
2-Hexanone	ND	0.30		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Isopropylbenzene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
4-Isopropyltoluene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
4-Methyl-2-pentanone	ND	0.30		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Methylene chloride	ND	0.091		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
n-Butylbenzene	ND	0.091		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
n-Propylbenzene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
sec-Butylbenzene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Styrene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
tert-Butylbenzene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,1,1,2-Tetrachloroethane	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,1,2,2-Tetrachloroethane	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Tetrachloroethene (PCE)	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
trans-1,2-DCE	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
trans-1,3-Dichloropropene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,2,3-Trichlorobenzene	ND	0.060		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,2,4-Trichlorobenzene	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,1,1-Trichloroethane	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,1,2-Trichloroethane	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Trichloroethene (TCE)	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Trichlorofluoromethane	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
1,2,3-Trichloropropane	ND	0.060		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Vinyl chloride	ND	0.030		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Xylenes, Total	ND	0.060		mg/Kg	1	3/19/2019 8:24:04 PM	R58482
Surr: Dibromofluoromethane	88.2	70-130		%Rec	1	3/19/2019 8:24:04 PM	R58482
Surr: 1,2-Dichloroethane-d4	85.6	70-130		%Rec	1	3/19/2019 8:24:04 PM	R58482
Surr: Toluene-d8	95.4	70-130		%Rec	1	3/19/2019 8:24:04 PM	R58482
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	3/19/2019 8:24:04 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-23 20'

Project: Fairview Station

Collection Date: 3/12/2019 11:00:00 AM

Lab ID: 1903782-002

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	3/19/2019 8:52:36 PM	G58482
Surr: BFB	103	70-130		%Rec	1	3/19/2019 8:52:36 PM	G58482
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/20/2019 4:46:44 PM	43760
Surr: DNOP	103	70-130		%Rec	1	3/20/2019 4:46:44 PM	43760
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	ND	0.016		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Toluene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Ethylbenzene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Methyl tert-butyl ether (MTBE)	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,2,4-Trimethylbenzene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,3,5-Trimethylbenzene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,2-Dichloroethane (EDC)	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,2-Dibromoethane (EDB)	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Naphthalene	ND	0.063		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1-Methylnaphthalene	ND	0.13		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
2-Methylnaphthalene	ND	0.13		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Acetone	ND	0.47		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Bromobenzene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Bromodichloromethane	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Bromoform	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Bromomethane	ND	0.094		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
2-Butanone	ND	0.31		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Carbon disulfide	ND	0.31		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Carbon tetrachloride	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Chlorobenzene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Chloroethane	ND	0.063		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Chloroform	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Chloromethane	ND	0.094		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
2-Chlorotoluene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
4-Chlorotoluene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
cis-1,2-DCE	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
cis-1,3-Dichloropropene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,2-Dibromo-3-chloropropane	ND	0.063		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Dibromochloromethane	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Dibromomethane	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,2-Dichlorobenzene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,3-Dichlorobenzene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-23 20'

Project: Fairview Station

Collection Date: 3/12/2019 11:00:00 AM

Lab ID: 1903782-002

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Dichlorodifluoromethane	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,1-Dichloroethane	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,1-Dichloroethene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,2-Dichloropropane	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,3-Dichloropropane	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
2,2-Dichloropropane	ND	0.063		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,1-Dichloropropene	ND	0.063		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Hexachlorobutadiene	ND	0.063		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
2-Hexanone	ND	0.31		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Isopropylbenzene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
4-Isopropyltoluene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
4-Methyl-2-pentanone	ND	0.31		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Methylene chloride	ND	0.094		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
n-Butylbenzene	ND	0.094		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
n-Propylbenzene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
sec-Butylbenzene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Styrene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
tert-Butylbenzene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,1,1,2-Tetrachloroethane	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,1,2,2-Tetrachloroethane	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Tetrachloroethene (PCE)	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
trans-1,2-DCE	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
trans-1,3-Dichloropropene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,2,3-Trichlorobenzene	ND	0.063		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,2,4-Trichlorobenzene	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,1,1-Trichloroethane	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,1,2-Trichloroethane	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Trichloroethene (TCE)	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Trichlorofluoromethane	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
1,2,3-Trichloropropane	ND	0.063		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Vinyl chloride	ND	0.031		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Xylenes, Total	ND	0.063		mg/Kg	1	3/19/2019 8:52:36 PM	R58482
Surr: Dibromofluoromethane	86.5	70-130		%Rec	1	3/19/2019 8:52:36 PM	R58482
Surr: 1,2-Dichloroethane-d4	88.3	70-130		%Rec	1	3/19/2019 8:52:36 PM	R58482
Surr: Toluene-d8	95.7	70-130		%Rec	1	3/19/2019 8:52:36 PM	R58482
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	1	3/19/2019 8:52:36 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-22 15'

Project: Fairview Station

Collection Date: 3/12/2019 1:45:00 PM

Lab ID: 1903782-003

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	3/19/2019 9:21:08 PM	G58482
Surr: BFB	101	70-130		%Rec	1	3/19/2019 9:21:08 PM	G58482
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/20/2019 5:08:54 PM	43760
Surr: DNOP	91.0	70-130		%Rec	1	3/20/2019 5:08:54 PM	43760
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	ND	0.018		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Toluene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Ethylbenzene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Methyl tert-butyl ether (MTBE)	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,2,4-Trimethylbenzene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,3,5-Trimethylbenzene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,2-Dichloroethane (EDC)	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,2-Dibromoethane (EDB)	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Naphthalene	ND	0.072		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1-Methylnaphthalene	ND	0.14		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
2-Methylnaphthalene	ND	0.14		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Acetone	ND	0.54		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Bromobenzene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Bromodichloromethane	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Bromoform	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Bromomethane	ND	0.11		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
2-Butanone	ND	0.36		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Carbon disulfide	ND	0.36		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Carbon tetrachloride	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Chlorobenzene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Chloroethane	ND	0.072		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Chloroform	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Chloromethane	ND	0.11		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
2-Chlorotoluene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
4-Chlorotoluene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
cis-1,2-DCE	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
cis-1,3-Dichloropropene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,2-Dibromo-3-chloropropane	ND	0.072		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Dibromochloromethane	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Dibromomethane	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,2-Dichlorobenzene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,3-Dichlorobenzene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-22 15'

Project: Fairview Station

Collection Date: 3/12/2019 1:45:00 PM

Lab ID: 1903782-003

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Dichlorodifluoromethane	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,1-Dichloroethane	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,1-Dichloroethene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,2-Dichloropropane	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,3-Dichloropropane	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
2,2-Dichloropropane	ND	0.072		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,1-Dichloropropene	ND	0.072		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Hexachlorobutadiene	ND	0.072		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
2-Hexanone	ND	0.36		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Isopropylbenzene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
4-Isopropyltoluene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
4-Methyl-2-pentanone	ND	0.36		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Methylene chloride	ND	0.11		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
n-Butylbenzene	ND	0.11		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
n-Propylbenzene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
sec-Butylbenzene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Styrene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
tert-Butylbenzene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,1,1,2-Tetrachloroethane	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,1,2,2-Tetrachloroethane	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Tetrachloroethene (PCE)	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
trans-1,2-DCE	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
trans-1,3-Dichloropropene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,2,3-Trichlorobenzene	ND	0.072		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,2,4-Trichlorobenzene	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,1,1-Trichloroethane	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,1,2-Trichloroethane	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Trichloroethene (TCE)	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Trichlorofluoromethane	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
1,2,3-Trichloropropane	ND	0.072		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Vinyl chloride	ND	0.036		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Xylenes, Total	ND	0.072		mg/Kg	1	3/19/2019 9:21:08 PM	R58482
Surr: Dibromofluoromethane	89.0	70-130		%Rec	1	3/19/2019 9:21:08 PM	R58482
Surr: 1,2-Dichloroethane-d4	87.9	70-130		%Rec	1	3/19/2019 9:21:08 PM	R58482
Surr: Toluene-d8	92.4	70-130		%Rec	1	3/19/2019 9:21:08 PM	R58482
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	3/19/2019 9:21:08 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-22 20'

Project: Fairview Station

Collection Date: 3/12/2019 1:53:00 PM

Lab ID: 1903782-004

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	3/19/2019 9:49:33 PM	G58482
Surr: BFB	103	70-130		%Rec	1	3/19/2019 9:49:33 PM	G58482
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/20/2019 5:30:56 PM	43760
Surr: DNOP	100	70-130		%Rec	1	3/20/2019 5:30:56 PM	43760
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	0.043	0.016		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Toluene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Ethylbenzene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Methyl tert-butyl ether (MTBE)	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,2,4-Trimethylbenzene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,3,5-Trimethylbenzene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,2-Dichloroethane (EDC)	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,2-Dibromoethane (EDB)	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Naphthalene	ND	0.063		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1-Methylnaphthalene	ND	0.13		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
2-Methylnaphthalene	ND	0.13		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Acetone	ND	0.48		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Bromobenzene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Bromodichloromethane	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Bromoform	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Bromomethane	ND	0.095		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
2-Butanone	ND	0.32		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Carbon disulfide	ND	0.32		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Carbon tetrachloride	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Chlorobenzene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Chloroethane	ND	0.063		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Chloroform	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Chloromethane	ND	0.095		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
2-Chlorotoluene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
4-Chlorotoluene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
cis-1,2-DCE	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
cis-1,3-Dichloropropene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,2-Dibromo-3-chloropropane	ND	0.063		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Dibromochloromethane	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Dibromomethane	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,2-Dichlorobenzene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,3-Dichlorobenzene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-22 20'

Project: Fairview Station

Collection Date: 3/12/2019 1:53:00 PM

Lab ID: 1903782-004

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Dichlorodifluoromethane	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,1-Dichloroethane	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,1-Dichloroethene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,2-Dichloropropane	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,3-Dichloropropane	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
2,2-Dichloropropane	ND	0.063		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,1-Dichloropropene	ND	0.063		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Hexachlorobutadiene	ND	0.063		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
2-Hexanone	ND	0.32		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Isopropylbenzene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
4-Isopropyltoluene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
4-Methyl-2-pentanone	ND	0.32		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Methylene chloride	ND	0.095		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
n-Butylbenzene	ND	0.095		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
n-Propylbenzene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
sec-Butylbenzene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Styrene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
tert-Butylbenzene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,1,1,2-Tetrachloroethane	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,1,2,2-Tetrachloroethane	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Tetrachloroethene (PCE)	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
trans-1,2-DCE	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
trans-1,3-Dichloropropene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,2,3-Trichlorobenzene	ND	0.063		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,2,4-Trichlorobenzene	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,1,1-Trichloroethane	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,1,2-Trichloroethane	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Trichloroethene (TCE)	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Trichlorofluoromethane	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
1,2,3-Trichloropropane	ND	0.063		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Vinyl chloride	ND	0.032		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Xylenes, Total	ND	0.063		mg/Kg	1	3/19/2019 9:49:33 PM	R58482
Surr: Dibromofluoromethane	90.7	70-130		%Rec	1	3/19/2019 9:49:33 PM	R58482
Surr: 1,2-Dichloroethane-d4	90.8	70-130		%Rec	1	3/19/2019 9:49:33 PM	R58482
Surr: Toluene-d8	92.8	70-130		%Rec	1	3/19/2019 9:49:33 PM	R58482
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	3/19/2019 9:49:33 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-28-14'

Project: Fairview Station

Collection Date: 3/13/2019 9:39:00 AM

Lab ID: 1903782-005

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	2100	39		mg/Kg	10	3/19/2019 10:17:58 PM	G58482
Surr: BFB	104	70-130		%Rec	10	3/19/2019 10:17:58 PM	G58482
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	380	9.6		mg/Kg	1	3/20/2019 6:37:27 PM	43760
Surr: DNOP	102	70-130		%Rec	1	3/20/2019 6:37:27 PM	43760
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	12	0.20	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Toluene	24	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Ethylbenzene	33	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Methyl tert-butyl ether (MTBE)	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,2,4-Trimethylbenzene	57	3.9		mg/Kg	100	3/20/2019 1:31:35 PM	B58482
1,3,5-Trimethylbenzene	20	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,2-Dichloroethane (EDC)	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,2-Dibromoethane (EDB)	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Naphthalene	11	0.78	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1-Methylnaphthalene	6.6	1.6	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
2-Methylnaphthalene	11	1.6	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Acetone	ND	5.9	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Bromobenzene	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Bromodichloromethane	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Bromoform	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Bromomethane	ND	1.2	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
2-Butanone	ND	3.9	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Carbon disulfide	ND	3.9	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Carbon tetrachloride	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Chlorobenzene	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Chloroethane	ND	0.78	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Chloroform	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Chloromethane	ND	1.2	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
2-Chlorotoluene	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
4-Chlorotoluene	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
cis-1,2-DCE	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
cis-1,3-Dichloropropene	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,2-Dibromo-3-chloropropane	ND	0.78	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Dibromochloromethane	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Dibromomethane	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,2-Dichlorobenzene	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,3-Dichlorobenzene	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-28-14'

Project: Fairview Station

Collection Date: 3/13/2019 9:39:00 AM

Lab ID: 1903782-005

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Dichlorodifluoromethane	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,1-Dichloroethane	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,1-Dichloroethene	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,2-Dichloropropane	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,3-Dichloropropane	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
2,2-Dichloropropane	ND	0.78	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,1-Dichloropropene	ND	0.78	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Hexachlorobutadiene	ND	0.78	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
2-Hexanone	ND	3.9	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Isopropylbenzene	3.5	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
4-Isopropyltoluene	1.0	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
4-Methyl-2-pentanone	ND	3.9	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Methylene chloride	ND	1.2	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
n-Butylbenzene	4.4	1.2	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
n-Propylbenzene	13	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
sec-Butylbenzene	1.7	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Styrene	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
tert-Butylbenzene	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,1,1,2-Tetrachloroethane	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,1,2,2-Tetrachloroethane	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Tetrachloroethene (PCE)	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
trans-1,2-DCE	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
trans-1,3-Dichloropropene	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,2,3-Trichlorobenzene	ND	0.78	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,2,4-Trichlorobenzene	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,1,1-Trichloroethane	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,1,2-Trichloroethane	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Trichloroethene (TCE)	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Trichlorofluoromethane	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
1,2,3-Trichloropropane	ND	0.78	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Vinyl chloride	ND	0.39	D	mg/Kg	10	3/19/2019 10:17:58 PM	R58482
Xylenes, Total	130	7.8		mg/Kg	100	3/20/2019 1:31:35 PM	B58482
Surr: Dibromofluoromethane	92.4	70-130	D	%Rec	10	3/19/2019 10:17:58 PM	R58482
Surr: 1,2-Dichloroethane-d4	117	70-130	D	%Rec	10	3/19/2019 10:17:58 PM	R58482
Surr: Toluene-d8	92.1	70-130	D	%Rec	10	3/19/2019 10:17:58 PM	R58482
Surr: 4-Bromofluorobenzene	111	70-130	D	%Rec	10	3/19/2019 10:17:58 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-28-17'

Project: Fairview Station

Collection Date: 3/13/2019 10:05:00 AM

Lab ID: 1903782-006

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	590	27		mg/Kg	10	3/19/2019 10:46:24 PM	G58482
Surr: BFB	105	70-130		%Rec	10	3/19/2019 10:46:24 PM	G58482
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	140	9.4		mg/Kg	1	3/20/2019 7:21:48 PM	43760
Surr: DNOP	101	70-130		%Rec	1	3/20/2019 7:21:48 PM	43760
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	3.6	0.13	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Toluene	4.3	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Ethylbenzene	8.6	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Methyl tert-butyl ether (MTBE)	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,2,4-Trimethylbenzene	27	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,3,5-Trimethylbenzene	9.1	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,2-Dichloroethane (EDC)	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,2-Dibromoethane (EDB)	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Naphthalene	6.9	0.54	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1-Methylnaphthalene	4.5	1.1	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
2-Methylnaphthalene	7.3	1.1	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Acetone	ND	4.0	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Bromobenzene	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Bromodichloromethane	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Bromoform	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Bromomethane	ND	0.81	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
2-Butanone	ND	2.7	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Carbon disulfide	ND	2.7	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Carbon tetrachloride	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Chlorobenzene	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Chloroethane	ND	0.54	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Chloroform	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Chloromethane	ND	0.81	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
2-Chlorotoluene	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
4-Chlorotoluene	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
cis-1,2-DCE	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
cis-1,3-Dichloropropene	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,2-Dibromo-3-chloropropane	ND	0.54	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Dibromochloromethane	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Dibromomethane	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,2-Dichlorobenzene	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,3-Dichlorobenzene	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-28-17'

Project: Fairview Station

Collection Date: 3/13/2019 10:05:00 AM

Lab ID: 1903782-006

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Dichlorodifluoromethane	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,1-Dichloroethane	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,1-Dichloroethene	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,2-Dichloropropane	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,3-Dichloropropane	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
2,2-Dichloropropane	ND	0.54	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,1-Dichloropropene	ND	0.54	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Hexachlorobutadiene	ND	0.54	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
2-Hexanone	ND	2.7	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Isopropylbenzene	1.3	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
4-Isopropyltoluene	0.54	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
4-Methyl-2-pentanone	ND	2.7	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Methylene chloride	ND	0.81	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
n-Butylbenzene	2.3	0.81	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
n-Propylbenzene	5.2	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
sec-Butylbenzene	0.86	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Styrene	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
tert-Butylbenzene	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,1,1,2-Tetrachloroethane	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,1,2,2-Tetrachloroethane	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Tetrachloroethene (PCE)	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
trans-1,2-DCE	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
trans-1,3-Dichloropropene	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,2,3-Trichlorobenzene	ND	0.54	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,2,4-Trichlorobenzene	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,1,1-Trichloroethane	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,1,2-Trichloroethane	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Trichloroethene (TCE)	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Trichlorofluoromethane	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
1,2,3-Trichloropropane	ND	0.54	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Vinyl chloride	ND	0.27	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Xylenes, Total	33	0.54	D	mg/Kg	10	3/19/2019 10:46:24 PM	R58482
Surr: Dibromofluoromethane	85.8	70-130	D	%Rec	10	3/19/2019 10:46:24 PM	R58482
Surr: 1,2-Dichloroethane-d4	92.1	70-130	D	%Rec	10	3/19/2019 10:46:24 PM	R58482
Surr: Toluene-d8	96.0	70-130	D	%Rec	10	3/19/2019 10:46:24 PM	R58482
Surr: 4-Bromofluorobenzene	115	70-130	D	%Rec	10	3/19/2019 10:46:24 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-26 15'

Project: Fairview Station

Collection Date: 3/13/2019 1:45:00 PM

Lab ID: 1903782-007

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	3/19/2019 11:14:49 PM	G58482
Surr: BFB	105	70-130		%Rec	1	3/19/2019 11:14:49 PM	G58482
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/20/2019 7:43:46 PM	43760
Surr: DNOP	102	70-130		%Rec	1	3/20/2019 7:43:46 PM	43760
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	ND	0.019		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Toluene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Ethylbenzene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Methyl tert-butyl ether (MTBE)	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,2,4-Trimethylbenzene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,3,5-Trimethylbenzene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,2-Dichloroethane (EDC)	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,2-Dibromoethane (EDB)	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Naphthalene	ND	0.075		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1-Methylnaphthalene	ND	0.15		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
2-Methylnaphthalene	ND	0.15		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Acetone	ND	0.57		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Bromobenzene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Bromodichloromethane	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Bromoform	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Bromomethane	ND	0.11		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
2-Butanone	ND	0.38		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Carbon disulfide	ND	0.38		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Carbon tetrachloride	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Chlorobenzene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Chloroethane	ND	0.075		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Chloroform	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Chloromethane	ND	0.11		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
2-Chlorotoluene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
4-Chlorotoluene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
cis-1,2-DCE	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
cis-1,3-Dichloropropene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,2-Dibromo-3-chloropropane	ND	0.075		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Dibromochloromethane	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Dibromomethane	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,2-Dichlorobenzene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,3-Dichlorobenzene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-26 15'

Project: Fairview Station

Collection Date: 3/13/2019 1:45:00 PM

Lab ID: 1903782-007

Matrix: MEOH (SOIL) **Received Date:** 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Dichlorodifluoromethane	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,1-Dichloroethane	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,1-Dichloroethene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,2-Dichloropropane	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,3-Dichloropropane	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
2,2-Dichloropropane	ND	0.075		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,1-Dichloropropene	ND	0.075		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Hexachlorobutadiene	ND	0.075		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
2-Hexanone	ND	0.38		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Isopropylbenzene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
4-Isopropyltoluene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
4-Methyl-2-pentanone	ND	0.38		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Methylene chloride	ND	0.11		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
n-Butylbenzene	ND	0.11		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
n-Propylbenzene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
sec-Butylbenzene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Styrene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
tert-Butylbenzene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,1,1,2-Tetrachloroethane	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,1,2,2-Tetrachloroethane	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Tetrachloroethene (PCE)	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
trans-1,2-DCE	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
trans-1,3-Dichloropropene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,2,3-Trichlorobenzene	ND	0.075		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,2,4-Trichlorobenzene	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,1,1-Trichloroethane	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,1,2-Trichloroethane	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Trichloroethene (TCE)	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Trichlorofluoromethane	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
1,2,3-Trichloropropane	ND	0.075		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Vinyl chloride	ND	0.038		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Xylenes, Total	ND	0.075		mg/Kg	1	3/19/2019 11:14:49 PM	R58482
Surr: Dibromofluoromethane	88.3	70-130		%Rec	1	3/19/2019 11:14:49 PM	R58482
Surr: 1,2-Dichloroethane-d4	87.2	70-130		%Rec	1	3/19/2019 11:14:49 PM	R58482
Surr: Toluene-d8	94.1	70-130		%Rec	1	3/19/2019 11:14:49 PM	R58482
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	3/19/2019 11:14:49 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-26 20'

Project: Fairview Station

Collection Date: 3/13/2019 2:05:00 PM

Lab ID: 1903782-008

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	3/19/2019 11:43:16 PM	G58482
Surr: BFB	102	70-130		%Rec	1	3/19/2019 11:43:16 PM	G58482
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/20/2019 9:12:00 PM	43760
Surr: DNOP	99.5	70-130		%Rec	1	3/20/2019 9:12:00 PM	43760
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	ND	0.018		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Toluene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Ethylbenzene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Methyl tert-butyl ether (MTBE)	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,2,4-Trimethylbenzene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,3,5-Trimethylbenzene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,2-Dichloroethane (EDC)	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,2-Dibromoethane (EDB)	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Naphthalene	ND	0.070		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1-Methylnaphthalene	ND	0.14		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
2-Methylnaphthalene	ND	0.14		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Acetone	ND	0.53		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Bromobenzene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Bromodichloromethane	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Bromoform	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Bromomethane	ND	0.11		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
2-Butanone	ND	0.35		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Carbon disulfide	ND	0.35		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Carbon tetrachloride	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Chlorobenzene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Chloroethane	ND	0.070		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Chloroform	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Chloromethane	ND	0.11		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
2-Chlorotoluene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
4-Chlorotoluene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
cis-1,2-DCE	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
cis-1,3-Dichloropropene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,2-Dibromo-3-chloropropane	ND	0.070		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Dibromochloromethane	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Dibromomethane	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,2-Dichlorobenzene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,3-Dichlorobenzene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-26 20'

Project: Fairview Station

Collection Date: 3/13/2019 2:05:00 PM

Lab ID: 1903782-008

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Dichlorodifluoromethane	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,1-Dichloroethane	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,1-Dichloroethene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,2-Dichloropropane	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,3-Dichloropropane	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
2,2-Dichloropropane	ND	0.070		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,1-Dichloropropene	ND	0.070		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Hexachlorobutadiene	ND	0.070		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
2-Hexanone	ND	0.35		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Isopropylbenzene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
4-Isopropyltoluene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
4-Methyl-2-pentanone	ND	0.35		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Methylene chloride	ND	0.11		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
n-Butylbenzene	ND	0.11		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
n-Propylbenzene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
sec-Butylbenzene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Styrene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
tert-Butylbenzene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,1,1,2-Tetrachloroethane	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,1,2,2-Tetrachloroethane	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Tetrachloroethene (PCE)	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
trans-1,2-DCE	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
trans-1,3-Dichloropropene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,2,3-Trichlorobenzene	ND	0.070		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,2,4-Trichlorobenzene	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,1,1-Trichloroethane	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,1,2-Trichloroethane	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Trichloroethene (TCE)	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Trichlorofluoromethane	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
1,2,3-Trichloropropane	ND	0.070		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Vinyl chloride	ND	0.035		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Xylenes, Total	ND	0.070		mg/Kg	1	3/19/2019 11:43:16 PM	R58482
Surr: Dibromofluoromethane	89.8	70-130		%Rec	1	3/19/2019 11:43:16 PM	R58482
Surr: 1,2-Dichloroethane-d4	90.2	70-130		%Rec	1	3/19/2019 11:43:16 PM	R58482
Surr: Toluene-d8	95.9	70-130		%Rec	1	3/19/2019 11:43:16 PM	R58482
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	3/19/2019 11:43:16 PM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-27 14'

Project: Fairview Station

Collection Date: 3/14/2019 8:44:00 AM

Lab ID: 1903782-009

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	160	17		mg/Kg	5	3/20/2019 12:11:42 AM	G58482
Surr: BFB	103	70-130		%Rec	5	3/20/2019 12:11:42 AM	G58482
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/20/2019 9:33:58 PM	43760
Surr: DNOP	104	70-130		%Rec	1	3/20/2019 9:33:58 PM	43760
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	1.0	0.085		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Toluene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Ethylbenzene	2.2	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Methyl tert-butyl ether (MTBE)	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,2,4-Trimethylbenzene	4.9	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,3,5-Trimethylbenzene	1.7	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,2-Dichloroethane (EDC)	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,2-Dibromoethane (EDB)	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Naphthalene	1.3	0.34		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1-Methylnaphthalene	0.84	0.68		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
2-Methylnaphthalene	1.5	0.68		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Acetone	ND	2.5		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Bromobenzene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Bromodichloromethane	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Bromoform	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Bromomethane	ND	0.51		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
2-Butanone	ND	1.7		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Carbon disulfide	ND	1.7		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Carbon tetrachloride	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Chlorobenzene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Chloroethane	ND	0.34		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Chloroform	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Chloromethane	ND	0.51		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
2-Chlorotoluene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
4-Chlorotoluene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
cis-1,2-DCE	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
cis-1,3-Dichloropropene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,2-Dibromo-3-chloropropane	ND	0.34		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Dibromochloromethane	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Dibromomethane	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,2-Dichlorobenzene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,3-Dichlorobenzene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-27 14'

Project: Fairview Station

Collection Date: 3/14/2019 8:44:00 AM

Lab ID: 1903782-009

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Dichlorodifluoromethane	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,1-Dichloroethane	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,1-Dichloroethene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,2-Dichloropropane	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,3-Dichloropropane	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
2,2-Dichloropropane	ND	0.34		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,1-Dichloropropene	ND	0.34		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Hexachlorobutadiene	ND	0.34		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
2-Hexanone	ND	1.7		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Isopropylbenzene	0.29	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
4-Isopropyltoluene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
4-Methyl-2-pentanone	ND	1.7		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Methylene chloride	ND	0.51		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
n-Butylbenzene	ND	0.51		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
n-Propylbenzene	0.99	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
sec-Butylbenzene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Styrene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
tert-Butylbenzene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,1,1,2-Tetrachloroethane	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,1,2,2-Tetrachloroethane	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Tetrachloroethene (PCE)	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
trans-1,2-DCE	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
trans-1,3-Dichloropropene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,2,3-Trichlorobenzene	ND	0.34		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,2,4-Trichlorobenzene	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,1,1-Trichloroethane	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,1,2-Trichloroethane	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Trichloroethene (TCE)	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Trichlorofluoromethane	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
1,2,3-Trichloropropane	ND	0.34		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Vinyl chloride	ND	0.17		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Xylenes, Total	2.7	0.34		mg/Kg	5	3/20/2019 12:11:42 AM	R58482
Surr: Dibromofluoromethane	88.8	70-130		%Rec	5	3/20/2019 12:11:42 AM	R58482
Surr: 1,2-Dichloroethane-d4	98.4	70-130		%Rec	5	3/20/2019 12:11:42 AM	R58482
Surr: Toluene-d8	92.7	70-130		%Rec	5	3/20/2019 12:11:42 AM	R58482
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	3/20/2019 12:11:42 AM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-27 15'

Project: Fairview Station

Collection Date: 3/14/2019 8:48:00 AM

Lab ID: 1903782-010

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	740	74		mg/Kg	20	3/20/2019 12:40:19 AM	G58482
Surr: BFB	103	70-130		%Rec	20	3/20/2019 12:40:19 AM	G58482
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	170	9.4		mg/Kg	1	3/20/2019 9:55:50 PM	43760
Surr: DNOP	100	70-130		%Rec	1	3/20/2019 9:55:50 PM	43760
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	2.6	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Toluene	2.7	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Ethylbenzene	8.7	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Methyl tert-butyl ether (MTBE)	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,2,4-Trimethylbenzene	17	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,3,5-Trimethylbenzene	6.2	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,2-Dichloroethane (EDC)	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,2-Dibromoethane (EDB)	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Naphthalene	3.3	0.74	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1-Methylnaphthalene	2.3	1.5	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
2-Methylnaphthalene	3.9	1.5	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Acetone	ND	5.5	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Bromobenzene	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Bromodichloromethane	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Bromoform	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Bromomethane	ND	1.1	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
2-Butanone	ND	3.7	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Carbon disulfide	ND	3.7	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Carbon tetrachloride	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Chlorobenzene	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Chloroethane	ND	1.5	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Chloroform	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Chloromethane	ND	1.1	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
2-Chlorotoluene	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
4-Chlorotoluene	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
cis-1,2-DCE	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
cis-1,3-Dichloropropene	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,2-Dibromo-3-chloropropane	ND	0.74	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Dibromochloromethane	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Dibromomethane	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,2-Dichlorobenzene	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,3-Dichlorobenzene	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MW-27 15'

Project: Fairview Station

Collection Date: 3/14/2019 8:48:00 AM

Lab ID: 1903782-010

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Dichlorodifluoromethane	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,1-Dichloroethane	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,1-Dichloroethene	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,2-Dichloropropane	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,3-Dichloropropane	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
2,2-Dichloropropane	ND	0.74	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,1-Dichloropropene	ND	0.74	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Hexachlorobutadiene	ND	0.74	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
2-Hexanone	ND	3.7	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Isopropylbenzene	1.2	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
4-Isopropyltoluene	0.39	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
4-Methyl-2-pentanone	ND	3.7	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Methylene chloride	ND	1.1	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
n-Butylbenzene	1.4	1.1	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
n-Propylbenzene	3.8	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
sec-Butylbenzene	0.52	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Styrene	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
tert-Butylbenzene	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,1,1,2-Tetrachloroethane	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,1,2,2-Tetrachloroethane	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Tetrachloroethene (PCE)	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
trans-1,2-DCE	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
trans-1,3-Dichloropropene	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,2,3-Trichlorobenzene	ND	0.74	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,2,4-Trichlorobenzene	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,1,1-Trichloroethane	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,1,2-Trichloroethane	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Trichloroethene (TCE)	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Trichlorofluoromethane	ND	0.37	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
1,2,3-Trichloropropane	ND	0.74	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Vinyl chloride	ND	0.74	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Xylenes, Total	19	0.74	D	mg/Kg	20	3/20/2019 12:40:19 AM	R58482
Surr: Dibromofluoromethane	81.8	70-130	D	%Rec	20	3/20/2019 12:40:19 AM	R58482
Surr: 1,2-Dichloroethane-d4	98.7	70-130	D	%Rec	20	3/20/2019 12:40:19 AM	R58482
Surr: Toluene-d8	94.2	70-130	D	%Rec	20	3/20/2019 12:40:19 AM	R58482
Surr: 4-Bromofluorobenzene	102	70-130	D	%Rec	20	3/20/2019 12:40:19 AM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: SB-3 11.5'

Project: Fairview Station

Collection Date: 3/14/2019 12:11:00 PM

Lab ID: 1903782-011

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	280	60		mg/Kg	20	3/20/2019 1:08:56 AM	G58482
Surr: BFB	101	70-130		%Rec	20	3/20/2019 1:08:56 AM	G58482
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	37	9.7		mg/Kg	1	3/20/2019 10:17:55 PM	43760
Surr: DNOP	100	70-130		%Rec	1	3/20/2019 10:17:55 PM	43760
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	2.1	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Toluene	7.2	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Ethylbenzene	4.4	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Methyl tert-butyl ether (MTBE)	0.62	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,2,4-Trimethylbenzene	6.3	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,3,5-Trimethylbenzene	2.2	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,2-Dichloroethane (EDC)	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,2-Dibromoethane (EDB)	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Naphthalene	1.1	0.60	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1-Methylnaphthalene	ND	1.2	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
2-Methylnaphthalene	1.3	1.2	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Acetone	ND	4.5	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Bromobenzene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Bromodichloromethane	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Bromoform	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Bromomethane	ND	0.91	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
2-Butanone	ND	3.0	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Carbon disulfide	ND	3.0	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Carbon tetrachloride	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Chlorobenzene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Chloroethane	ND	1.2	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Chloroform	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Chloromethane	ND	0.91	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
2-Chlorotoluene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
4-Chlorotoluene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
cis-1,2-DCE	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
cis-1,3-Dichloropropene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,2-Dibromo-3-chloropropane	ND	0.60	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Dibromochloromethane	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Dibromomethane	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,2-Dichlorobenzene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,3-Dichlorobenzene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: SB-3 11.5'

Project: Fairview Station

Collection Date: 3/14/2019 12:11:00 PM

Lab ID: 1903782-011

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Dichlorodifluoromethane	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,1-Dichloroethane	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,1-Dichloroethene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,2-Dichloropropane	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,3-Dichloropropane	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
2,2-Dichloropropane	ND	0.60	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,1-Dichloropropene	ND	0.60	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Hexachlorobutadiene	ND	0.60	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
2-Hexanone	ND	3.0	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Isopropylbenzene	0.36	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
4-Isopropyltoluene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
4-Methyl-2-pentanone	ND	3.0	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Methylene chloride	ND	0.91	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
n-Butylbenzene	ND	0.91	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
n-Propylbenzene	1.5	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
sec-Butylbenzene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Styrene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
tert-Butylbenzene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,1,1,2-Tetrachloroethane	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,1,2,2-Tetrachloroethane	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Tetrachloroethene (PCE)	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
trans-1,2-DCE	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
trans-1,3-Dichloropropene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,2,3-Trichlorobenzene	ND	0.60	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,2,4-Trichlorobenzene	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,1,1-Trichloroethane	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,1,2-Trichloroethane	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Trichloroethene (TCE)	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Trichlorofluoromethane	ND	0.30	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
1,2,3-Trichloropropane	ND	0.60	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Vinyl chloride	ND	0.60	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Xylenes, Total	18	0.60	D	mg/Kg	20	3/20/2019 1:08:56 AM	R58482
Surr: Dibromofluoromethane	86.1	70-130	D	%Rec	20	3/20/2019 1:08:56 AM	R58482
Surr: 1,2-Dichloroethane-d4	91.9	70-130	D	%Rec	20	3/20/2019 1:08:56 AM	R58482
Surr: Toluene-d8	94.2	70-130	D	%Rec	20	3/20/2019 1:08:56 AM	R58482
Surr: 4-Bromofluorobenzene	102	70-130	D	%Rec	20	3/20/2019 1:08:56 AM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: SB-3 15'

Project: Fairview Station

Collection Date: 3/14/2019 12:28:00 PM

Lab ID: 1903782-012

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	600	18		mg/Kg	5	3/20/2019 1:37:28 AM	G58482
Surr: BFB	104	70-130		%Rec	5	3/20/2019 1:37:28 AM	G58482
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	150	9.8		mg/Kg	1	3/20/2019 10:39:52 PM	43760
Surr: DNOP	101	70-130		%Rec	1	3/20/2019 10:39:52 PM	43760
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	8.0	0.089		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Toluene	25	1.8		mg/Kg	50	3/20/2019 2:00:06 PM	B58482
Ethylbenzene	8.5	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Methyl tert-butyl ether (MTBE)	0.30	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,2,4-Trimethylbenzene	14	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,3,5-Trimethylbenzene	5.0	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,2-Dichloroethane (EDC)	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,2-Dibromoethane (EDB)	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Naphthalene	3.2	0.36		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1-Methylnaphthalene	2.0	0.71		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
2-Methylnaphthalene	3.3	0.71		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Acetone	ND	2.7		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Bromobenzene	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Bromodichloromethane	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Bromoform	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Bromomethane	ND	0.53		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
2-Butanone	ND	1.8		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Carbon disulfide	ND	1.8		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Carbon tetrachloride	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Chlorobenzene	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Chloroethane	ND	0.36		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Chloroform	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Chloromethane	ND	0.53		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
2-Chlorotoluene	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
4-Chlorotoluene	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
cis-1,2-DCE	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
cis-1,3-Dichloropropene	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,2-Dibromo-3-chloropropane	ND	0.36		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Dibromochloromethane	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Dibromomethane	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,2-Dichlorobenzene	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,3-Dichlorobenzene	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: SB-3 15'

Project: Fairview Station

Collection Date: 3/14/2019 12:28:00 PM

Lab ID: 1903782-012

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Dichlorodifluoromethane	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,1-Dichloroethane	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,1-Dichloroethene	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,2-Dichloropropane	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,3-Dichloropropane	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
2,2-Dichloropropane	ND	0.36		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,1-Dichloropropene	ND	0.36		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Hexachlorobutadiene	ND	0.36		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
2-Hexanone	ND	1.8		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Isopropylbenzene	0.82	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
4-Isopropyltoluene	0.21	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
4-Methyl-2-pentanone	ND	1.8		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Methylene chloride	ND	0.53		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
n-Butylbenzene	1.1	0.53		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
n-Propylbenzene	3.2	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
sec-Butylbenzene	0.41	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Styrene	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
tert-Butylbenzene	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,1,1,2-Tetrachloroethane	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,1,2,2-Tetrachloroethane	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Tetrachloroethene (PCE)	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
trans-1,2-DCE	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
trans-1,3-Dichloropropene	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,2,3-Trichlorobenzene	ND	0.36		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,1,1-Trichloroethane	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,1,2-Trichloroethane	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Trichloroethene (TCE)	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Trichlorofluoromethane	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
1,2,3-Trichloropropane	ND	0.36		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Vinyl chloride	ND	0.18		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Xylenes, Total	37	0.36		mg/Kg	5	3/20/2019 1:37:28 AM	R58482
Surr: Dibromofluoromethane	90.0	70-130		%Rec	5	3/20/2019 1:37:28 AM	R58482
Surr: 1,2-Dichloroethane-d4	97.6	70-130		%Rec	5	3/20/2019 1:37:28 AM	R58482
Surr: Toluene-d8	92.7	70-130		%Rec	5	3/20/2019 1:37:28 AM	R58482
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	5	3/20/2019 1:37:28 AM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: SB-2 9'

Project: Fairview Station

Collection Date: 3/14/2019 2:44:00 PM

Lab ID: 1903782-013

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	5.5	2.7		mg/Kg	1	3/20/2019 2:06:02 AM	G58482
Surr: BFB	105	70-130		%Rec	1	3/20/2019 2:06:02 AM	G58482
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/20/2019 11:01:54 PM	43760
Surr: DNOP	104	70-130		%Rec	1	3/20/2019 11:01:54 PM	43760
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	ND	0.014		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Toluene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Ethylbenzene	0.039	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Methyl tert-butyl ether (MTBE)	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,2,4-Trimethylbenzene	0.12	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,3,5-Trimethylbenzene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,2-Dichloroethane (EDC)	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,2-Dibromoethane (EDB)	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Naphthalene	ND	0.054		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1-Methylnaphthalene	0.12	0.11		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
2-Methylnaphthalene	ND	0.11		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Acetone	ND	0.41		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Bromobenzene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Bromodichloromethane	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Bromoform	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Bromomethane	ND	0.082		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
2-Butanone	ND	0.27		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Carbon disulfide	ND	0.27		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Carbon tetrachloride	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Chlorobenzene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Chloroethane	ND	0.054		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Chloroform	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Chloromethane	ND	0.082		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
2-Chlorotoluene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
4-Chlorotoluene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
cis-1,2-DCE	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
cis-1,3-Dichloropropene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,2-Dibromo-3-chloropropane	ND	0.054		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Dibromochloromethane	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Dibromomethane	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,2-Dichlorobenzene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,3-Dichlorobenzene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: SB-2 9'

Project: Fairview Station

Collection Date: 3/14/2019 2:44:00 PM

Lab ID: 1903782-013

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Dichlorodifluoromethane	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,1-Dichloroethane	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,1-Dichloroethene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,2-Dichloropropane	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,3-Dichloropropane	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
2,2-Dichloropropane	ND	0.054		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,1-Dichloropropene	ND	0.054		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Hexachlorobutadiene	ND	0.054		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
2-Hexanone	ND	0.27		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Isopropylbenzene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
4-Isopropyltoluene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
4-Methyl-2-pentanone	ND	0.27		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Methylene chloride	ND	0.082		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
n-Butylbenzene	ND	0.082		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
n-Propylbenzene	0.056	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
sec-Butylbenzene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Styrene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
tert-Butylbenzene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,1,1,2-Tetrachloroethane	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,1,2,2-Tetrachloroethane	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Tetrachloroethene (PCE)	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
trans-1,2-DCE	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
trans-1,3-Dichloropropene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,2,3-Trichlorobenzene	ND	0.054		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,2,4-Trichlorobenzene	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,1,1-Trichloroethane	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,1,2-Trichloroethane	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Trichloroethene (TCE)	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Trichlorofluoromethane	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
1,2,3-Trichloropropane	ND	0.054		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Vinyl chloride	ND	0.027		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Xylenes, Total	ND	0.054		mg/Kg	1	3/20/2019 2:06:02 AM	R58482
Surr: Dibromofluoromethane	89.8	70-130		%Rec	1	3/20/2019 2:06:02 AM	R58482
Surr: 1,2-Dichloroethane-d4	91.3	70-130		%Rec	1	3/20/2019 2:06:02 AM	R58482
Surr: Toluene-d8	93.0	70-130		%Rec	1	3/20/2019 2:06:02 AM	R58482
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	3/20/2019 2:06:02 AM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: SB-2 15'

Project: Fairview Station

Collection Date: 3/14/2019 3:01:00 PM

Lab ID: 1903782-014

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	610	31		mg/Kg	10	3/20/2019 2:34:34 AM	G58482
Surr: BFB	106	70-130		%Rec	10	3/20/2019 2:34:34 AM	G58482
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: Irm
Diesel Range Organics (DRO)	220	9.7		mg/Kg	1	3/20/2019 11:23:45 PM	43760
Surr: DNOP	95.7	70-130		%Rec	1	3/20/2019 11:23:45 PM	43760
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	2.1	0.15	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Toluene	12	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Ethylbenzene	10	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Methyl tert-butyl ether (MTBE)	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,2,4-Trimethylbenzene	18	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,3,5-Trimethylbenzene	5.0	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,2-Dichloroethane (EDC)	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,2-Dibromoethane (EDB)	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Naphthalene	3.9	0.62	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1-Methylnaphthalene	2.5	1.2	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
2-Methylnaphthalene	4.1	1.2	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Acetone	ND	4.6	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Bromobenzene	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Bromodichloromethane	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Bromoform	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Bromomethane	ND	0.93	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
2-Butanone	ND	3.1	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Carbon disulfide	ND	3.1	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Carbon tetrachloride	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Chlorobenzene	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Chloroethane	ND	0.62	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Chloroform	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Chloromethane	ND	0.93	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
2-Chlorotoluene	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
4-Chlorotoluene	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
cis-1,2-DCE	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
cis-1,3-Dichloropropene	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,2-Dibromo-3-chloropropane	ND	0.62	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Dibromochloromethane	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Dibromomethane	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,2-Dichlorobenzene	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,3-Dichlorobenzene	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: SB-2 15'

Project: Fairview Station

Collection Date: 3/14/2019 3:01:00 PM

Lab ID: 1903782-014

Matrix: MEOH (SOIL)

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Dichlorodifluoromethane	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,1-Dichloroethane	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,1-Dichloroethene	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,2-Dichloropropane	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,3-Dichloropropane	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
2,2-Dichloropropane	ND	0.62	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,1-Dichloropropene	ND	0.62	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Hexachlorobutadiene	ND	0.62	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
2-Hexanone	ND	3.1	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Isopropylbenzene	1.2	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
4-Isopropyltoluene	0.33	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
4-Methyl-2-pentanone	ND	3.1	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Methylene chloride	ND	0.93	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
n-Butylbenzene	1.6	0.93	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
n-Propylbenzene	4.2	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
sec-Butylbenzene	0.61	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Styrene	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
tert-Butylbenzene	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,1,1,2-Tetrachloroethane	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,1,2,2-Tetrachloroethane	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Tetrachloroethene (PCE)	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
trans-1,2-DCE	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
trans-1,3-Dichloropropene	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,2,3-Trichlorobenzene	ND	0.62	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,2,4-Trichlorobenzene	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,1,1-Trichloroethane	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,1,2-Trichloroethane	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Trichloroethene (TCE)	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Trichlorofluoromethane	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
1,2,3-Trichloropropane	ND	0.62	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Vinyl chloride	ND	0.31	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Xylenes, Total	32	0.62	D	mg/Kg	10	3/20/2019 2:34:34 AM	R58482
Surr: Dibromofluoromethane	84.4	70-130	D	%Rec	10	3/20/2019 2:34:34 AM	R58482
Surr: 1,2-Dichloroethane-d4	92.0	70-130	D	%Rec	10	3/20/2019 2:34:34 AM	R58482
Surr: Toluene-d8	93.3	70-130	D	%Rec	10	3/20/2019 2:34:34 AM	R58482
Surr: 4-Bromofluorobenzene	105	70-130	D	%Rec	10	3/20/2019 2:34:34 AM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MeOH Blank

Project: Fairview Station

Collection Date:

Lab ID: 1903782-015

Matrix: MEOH BLAN

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Toluene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Ethylbenzene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Naphthalene	ND	0.10		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1-Methylnaphthalene	ND	0.20		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
2-Methylnaphthalene	ND	0.20		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Acetone	ND	0.75		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Bromobenzene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Bromodichloromethane	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Bromoform	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Bromomethane	ND	0.15		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
2-Butanone	ND	0.50		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Carbon disulfide	ND	0.50		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Carbon tetrachloride	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Chlorobenzene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Chloroethane	ND	0.10		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Chloroform	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Chloromethane	ND	0.15		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
2-Chlorotoluene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
4-Chlorotoluene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
cis-1,2-DCE	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Dibromochloromethane	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Dibromomethane	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,1-Dichloroethane	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,1-Dichloroethene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,2-Dichloropropane	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,3-Dichloropropane	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
2,2-Dichloropropane	ND	0.10		mg/Kg	1	3/20/2019 5:54:26 AM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903782

Date Reported: 3/21/2019

CLIENT: Souder Miller & Associates

Client Sample ID: MeOH Blank

Project: Fairview Station

Collection Date:

Lab ID: 1903782-015

Matrix: MEOH BLAN

Received Date: 3/15/2019 3:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,1-Dichloropropene	ND	0.10		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Hexachlorobutadiene	ND	0.10		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
2-Hexanone	ND	0.50		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Isopropylbenzene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
4-Isopropyltoluene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Methylene chloride	ND	0.15		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
n-Butylbenzene	ND	0.15		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
n-Propylbenzene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
sec-Butylbenzene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Styrene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
tert-Butylbenzene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
trans-1,2-DCE	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Trichlorofluoromethane	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Vinyl chloride	ND	0.050		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Xylenes, Total	ND	0.10		mg/Kg	1	3/20/2019 5:54:26 AM	R58482
Surr: Dibromofluoromethane	86.0	70-130		%Rec	1	3/20/2019 5:54:26 AM	R58482
Surr: 1,2-Dichloroethane-d4	85.1	70-130		%Rec	1	3/20/2019 5:54:26 AM	R58482
Surr: Toluene-d8	94.0	70-130		%Rec	1	3/20/2019 5:54:26 AM	R58482
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	3/20/2019 5:54:26 AM	R58482

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 Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1903782

21-Mar-19

Client: Souder Miller & Associates

Project: Fairview Station

Sample ID: MB-43760	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 43760		RunNo: 58507							
Prep Date: 3/19/2019	Analysis Date: 3/20/2019		SeqNo: 1963852	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	10		10.00		102	70	130			

Sample ID: LCS-43760	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 43760		RunNo: 58507							
Prep Date: 3/19/2019	Analysis Date: 3/20/2019		SeqNo: 1963878	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.9	63.9	124			
Surr: DNOP	5.1		5.000		103	70	130			

Sample ID: 1903782-001AMS	SampType: MS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: MW-23 15'	Batch ID: 43760		RunNo: 58507							
Prep Date: 3/19/2019	Analysis Date: 3/20/2019		SeqNo: 1964456	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.8	49.21	0	99.5	53.5	126			
Surr: DNOP	5.1		4.921		103	70	130			

Sample ID: 1903782-001AMSD	SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: MW-23 15'	Batch ID: 43760		RunNo: 58507							
Prep Date: 3/19/2019	Analysis Date: 3/20/2019		SeqNo: 1964457	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.8	49.16	0	104	53.5	126	4.54	21.7	
Surr: DNOP	5.3		4.916		107	70	130	0	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 Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1903782

21-Mar-19

Client: Souder Miller & Associates

Project: Fairview Station

Sample ID: 100ng lcs	SampType: LCS		TestCode: EPA Method 8260B: Volatiles							
Client ID: LCSS	Batch ID: R58482		RunNo: 58482							
Prep Date:	Analysis Date: 3/19/2019		SeqNo: 1962964		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.1	70	130			
Toluene	1.1	0.050	1.000	0	108	70	130			
Chlorobenzene	1.1	0.050	1.000	0	109	70	130			
1,1-Dichloroethene	0.88	0.050	1.000	0	87.8	50.8	164			
Trichloroethene (TCE)	0.90	0.050	1.000	0	89.8	70	130			
Surr: Dibromofluoromethane	0.43		0.5000		85.7	70	130			
Surr: 1,2-Dichloroethane-d4	0.44		0.5000		87.2	70	130			
Surr: Toluene-d8	0.48		0.5000		96.0	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.3	70	130			

Sample ID: 100ng lcs2	SampType: LCS		TestCode: EPA Method 8260B: Volatiles							
Client ID: LCSS	Batch ID: B58482		RunNo: 58482							
Prep Date:	Analysis Date: 3/20/2019		SeqNo: 1962965		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	0.89	0.050	1.000	0	89.5	70	130			
Surr: Dibromofluoromethane	0.43		0.5000		85.4	70	130			
Surr: 1,2-Dichloroethane-d4	0.43		0.5000		85.1	70	130			
Surr: Toluene-d8	0.46		0.5000		92.2	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.1	70	130			

Sample ID: 1903782-001ams	SampType: MS		TestCode: EPA Method 8260B: Volatiles							
Client ID: MW-23 15'	Batch ID: R58482		RunNo: 58482							
Prep Date:	Analysis Date: 3/20/2019		SeqNo: 1962967		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.60	0.015	0.6042	0	98.8	68.9	131			
Toluene	0.64	0.030	0.6042	0	107	64.3	137			
Chlorobenzene	0.64	0.030	0.6042	0	106	65.9	143			
1,1-Dichloroethene	0.62	0.030	0.6042	0	103	53.4	150			
Trichloroethene (TCE)	0.58	0.030	0.6042	0	96.6	70	130			
Surr: Dibromofluoromethane	0.26		0.3021		86.6	70	130			
Surr: 1,2-Dichloroethane-d4	0.27		0.3021		89.1	70	130			
Surr: Toluene-d8	0.27		0.3021		91.0	70	130			
Surr: 4-Bromofluorobenzene	0.30		0.3021		100	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
- 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 Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1903782

21-Mar-19

Client: Souder Miller & Associates

Project: Fairview Station

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: 1903782-001amsd SampType: MSD TestCode: EPA Method 8260B: Volatiles Client ID: MW-23 15' Batch ID: R58482 RunNo: 58482 Prep Date: Analysis Date: 3/20/2019 SeqNo: 1962968 Units: mg/Kg										
Benzene	0.59	0.015	0.6042	0	98.1	68.9	131	0.716	20	
Toluene	0.62	0.030	0.6042	0	102	64.3	137	3.95	20	
Chlorobenzene	0.62	0.030	0.6042	0	102	65.9	143	4.19	20	
1,1-Dichloroethene	0.62	0.030	0.6042	0	102	53.4	150	0.346	20	
Trichloroethene (TCE)	0.57	0.030	0.6042	0	94.8	70	130	1.87	20	
Surr: Dibromofluoromethane	0.28		0.3021		92.6	70	130	0	0	
Surr: 1,2-Dichloroethane-d4	0.27		0.3021		89.2	70	130	0	0	
Surr: Toluene-d8	0.27		0.3021		90.1	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.29		0.3021		97.6	70	130	0	0	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: rb2 SampType: MBLK TestCode: EPA Method 8260B: Volatiles Client ID: PBS Batch ID: B58482 RunNo: 58482 Prep Date: Analysis Date: 3/20/2019 SeqNo: 1962984 Units: mg/Kg										
Toluene	ND	0.050								
1,2,4-Trimethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: Dibromofluoromethane	0.42		0.5000		83.2	70	130			
Surr: 1,2-Dichloroethane-d4	0.44		0.5000		87.5	70	130			
Surr: Toluene-d8	0.47		0.5000		94.6	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.6	70	130			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: RB SampType: MBLK TestCode: EPA Method 8260B: Volatiles Client ID: PBS Batch ID: R58482 RunNo: 58482 Prep Date: Analysis Date: 3/19/2019 SeqNo: 1962985 Units: mg/Kg										
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Methyl tert-butyl ether (MTBE)	ND	0.050								
1,2,4-Trimethylbenzene	ND	0.050								
1,3,5-Trimethylbenzene	ND	0.050								
1,2-Dichloroethane (EDC)	ND	0.050								
1,2-Dibromoethane (EDB)	ND	0.050								
Naphthalene	ND	0.10								
1-Methylnaphthalene	ND	0.20								
2-Methylnaphthalene	ND	0.20								
Acetone	ND	0.75								

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
- 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 Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1903782

21-Mar-19

Client: Souder Miller & Associates

Project: Fairview Station

Sample ID: RB	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles								
Client ID: PBS	Batch ID: R58482	RunNo: 58482								
Prep Date:	Analysis Date: 3/19/2019	SeqNo: 1962985	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromobenzene	ND	0.050								
Bromodichloromethane	ND	0.050								
Bromoform	ND	0.050								
Bromomethane	ND	0.15								
2-Butanone	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.050								
Chlorobenzene	ND	0.050								
Chloroethane	ND	0.10								
Chloroform	ND	0.050								
Chloromethane	ND	0.15								
2-Chlorotoluene	ND	0.050								
4-Chlorotoluene	ND	0.050								
cis-1,2-DCE	ND	0.050								
cis-1,3-Dichloropropene	ND	0.050								
1,2-Dibromo-3-chloropropane	ND	0.10								
Dibromochloromethane	ND	0.050								
Dibromomethane	ND	0.050								
1,2-Dichlorobenzene	ND	0.050								
1,3-Dichlorobenzene	ND	0.050								
1,4-Dichlorobenzene	ND	0.050								
Dichlorodifluoromethane	ND	0.050								
1,1-Dichloroethane	ND	0.050								
1,1-Dichloroethene	ND	0.050								
1,2-Dichloropropane	ND	0.050								
1,3-Dichloropropane	ND	0.050								
2,2-Dichloropropane	ND	0.10								
1,1-Dichloropropene	ND	0.10								
Hexachlorobutadiene	ND	0.10								
2-Hexanone	ND	0.50								
Isopropylbenzene	ND	0.050								
4-Isopropyltoluene	ND	0.050								
4-Methyl-2-pentanone	ND	0.50								
Methylene chloride	ND	0.15								
n-Butylbenzene	ND	0.15								
n-Propylbenzene	ND	0.050								
sec-Butylbenzene	ND	0.050								
Styrene	ND	0.050								
tert-Butylbenzene	ND	0.050								

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 Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1903782

21-Mar-19

Client: Souder Miller & Associates

Project: Fairview Station

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: RB	SampType: MBLK		TestCode: EPA Method 8260B: Volatiles							
Client ID: PBS	Batch ID: R58482		RunNo: 58482							
Prep Date:	Analysis Date: 3/19/2019		SeqNo: 1962985 Units: mg/Kg							
1,1,1,2-Tetrachloroethane	ND	0.050								
1,1,2,2-Tetrachloroethane	ND	0.050								
Tetrachloroethene (PCE)	ND	0.050								
trans-1,2-DCE	ND	0.050								
trans-1,3-Dichloropropene	ND	0.050								
1,2,3-Trichlorobenzene	ND	0.10								
1,2,4-Trichlorobenzene	ND	0.050								
1,1,1-Trichloroethane	ND	0.050								
1,1,2-Trichloroethane	ND	0.050								
Trichloroethene (TCE)	ND	0.050								
Trichlorofluoromethane	ND	0.050								
1,2,3-Trichloropropane	ND	0.10								
Vinyl chloride	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: Dibromofluoromethane	0.43		0.5000		85.2	70	130			
Surr: 1,2-Dichloroethane-d4	0.44		0.5000		88.1	70	130			
Surr: Toluene-d8	0.48		0.5000		95.5	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		100	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 Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1903782

21-Mar-19

Client: Souder Miller & Associates

Project: Fairview Station

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: G58482	RunNo: 58482								
Prep Date:	Analysis Date: 3/19/2019	SeqNo: 1962878			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.6	70	130			
Surr: BFB	490		500.0		97.5	70	130			

Sample ID: RB	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: G58482	RunNo: 58482								
Prep Date:	Analysis Date: 3/19/2019	SeqNo: 1962879			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	500		500.0		99.2	70	130			

Sample ID: 1903782-002ams	SampType: MS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: MW-23 20'	Batch ID: G58482	RunNo: 58482								
Prep Date:	Analysis Date: 3/20/2019	SeqNo: 1962909			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	14	3.1	15.66	0	86.5	68.2	135			
Surr: BFB	320		313.1		103	70	130			

Sample ID: 1903782-002amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: MW-23 20'	Batch ID: G58482	RunNo: 58482								
Prep Date:	Analysis Date: 3/20/2019	SeqNo: 1962910			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	14	3.1	15.66	0	87.2	68.2	135	0.829	20	
Surr: BFB	320		313.1		102	70	130	0	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 Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

Sample Log-In Check List

Client Name: SMA ABQ

Work Order Number: 1903782

RcptNo: 1

Received By: Victoria Zellar

3/15/2019 3:48:00 PM

Victoria Zellar

Completed By: Erin Melendrez

3/15/2019 5:29:27 PM

EM

Reviewed By: ENM

3/18/19

LB: DAD 3/18/19

Chain of Custody

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

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)? 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. VOA vials have zero headspace? Yes No No VOA Vials
10. Were any sample containers received broken? Yes No
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
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? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: DAD 3/18/19

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	3.7	Good	Not Present			
2	0.6	Good	Not Present			

Chain-of-Custody Record

Client: SMA

Mailing Address: ABO

Phone #: 505-299-0442

email or Fax#:

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: AZ Compliance NELAC Other

EDD (Type)

Turn-Around Time: Standard Rush

Project Name: Fairview Station

Project #:

Project Manager: Alan Eschenbacher

Sampler: CPBerles

On Ice: Yes No

of Coolers: 2

Cooler Temp (including CF): 3.7°C

Container Type and # 3 bottles

Preservative Type HEAL No. 1903782

Received by: Atkinson Ballan Date: 3/15/19 Time: 15:40

Relinquished by: [Signature]

Received by: [Signature] Date: 3/15/19 Time: 15:40

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
3/12/19	1054	Soil	MW-23 15'	3 bottles		1903782
	1100		MW-23 20'			-001
	1345		MW-22 15'			-002
	1353		MW-22 20'			-003
3/13/19	0957		MW-24-14'			-004
	1008		MW-24-17'			-005
	1345		MW-26 15'			-006
	1405		MW-26 20'			-007
3/14/19	0844		MW-27 14'			-008
	0844		MW-27 15'			-009
	1211		SB-3 11.5'			-010
	1228		SB-3 15'			-011
						-012

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Analysis Request		Remarks:
BTEX / MTBE / TMBs (8021)	<input checked="" type="checkbox"/>	
TPH:8015D(GRO / DRO / MRO)	<input checked="" type="checkbox"/>	
8081 Pesticides/8082 PCB's	<input type="checkbox"/>	
EDB (Method 504.1)	<input type="checkbox"/>	
PAHs by 8310 or 8270SIMS	<input type="checkbox"/>	
RCRA 8 Metals	<input type="checkbox"/>	
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	<input type="checkbox"/>	
8260 (VOA)	<input checked="" type="checkbox"/>	
8270 (Semi-VOA)	<input type="checkbox"/>	
Total Coliform (Present/Absent)	<input type="checkbox"/>	



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: SMB

Mailing Address: 6454 Venice Ave
Albuquerque

Phone #: _____

email or Fax#: _____

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation
 NELAP Other _____

EDD (Type) _____

Turn-Around Time:
 Standard Rush

Project Name:
Farruca Stehan

Project #:

Project Manager:
Alan Sechenbacher

Sampler: C. Porter
 On Ice: Yes No

Sample Temperature: 3.7°C, 0.6°C

HEAL No.
1903782

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	Received by:	Date	Time
3/14/19	1444	soil	SB-29		-013	<i>[Signature]</i>	3/15/19	1548
	1501	v	SB-215		-014	<i>[Signature]</i>		
			Trip		-015	<i>[Signature]</i>		

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F ⁻ , Cl ⁻ , NO ₃ ⁻ , NO ₂ ⁻ , PO ₄ ³⁻ , SO ₄ ²⁻)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Remarks:
 Received by: *[Signature]* Date: 3/15/19 Time: 1548
 Received by: _____ Date: _____ Time: _____