#5E26784-BG7



Souder, Miller & Associates•201 S. Halagueno St.•Carlsbad, NM 88220 (575) 689-8801

June 19, 2018

NMOCD District II Mike Bratcher 811 S. First St. Artesia, NM 88210

SUBJECT: SOIL REMEDIATION CLOSURE REPORT FOR THE NASH UNIT #005 (2RP-4598), EDDY COUNTY, NEW MEXICO

Dear Mr. Bratcher:

On behalf of XTO Energy Inc (XTO), Souder, Miller & Associates (SMA) has prepared this CLOSURE REPORT that describes the assessment, delineation, and remediation for a release associated with the Nash Unit #005. The site is located in UNIT I, SECTION 13, TOWNSHIP 23S, RANGE 29E, NMPM, Eddy County, New Mexico, on Federal land. Figure 1 illustrates the vicinity and location of the site. Table 1 summarizes the release information.

Table 1: Release information and Site Ranking						
Name	Nash Unit #005					
Company	XTO Energy Inc					
Incident Number	2RP-4598					
API Number	30-015-21800					
Location	32.3040924, -103.930748					
Estimated Date of Release	1/17/2018					
Date Reported to NMOCD	2/1/2018					
Land Owner	BLM					
Reported To	NMOCD District II					
Source of Release	Poly flowline					
Released Material	Produced Water/Oil					
Released Volume	12 bbl					
Recovered Volume	2 bbl					
Net Release	10 bbl					
Nearest Waterway	Laguna Salado in approximately 3850 feet west of the location					
Depth to Groundwater	Estimated to be 37 feet					
Nearest Domestic Water Source	Greater than 1,000 feet					
NMOCD Ranking	20					
SMA Response Dates	1/22/2018, 2/8/2018, 5/17/2018					

Engineering • Environmental • Surveying

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Nash Unit #5 2RP-4598 June 19, 2018

1.0 Background

A Leak formed on the poly line at the point where it connects to the steel line off the well head. The release flowed west in a narrow path for approximately 300 feet, beginning near the well head and ending in the pasture to the west side.

2.0 Site Ranking and Land Jurisdiction

The Nash Unit #5 is located approximately 9.5 miles east of Loving, New Mexico with an elevation of approximately 3,015 feet above sea level. SMA retained an outside engineering firm to confirm depth to groundwater was less than 50 feet below ground surface (bgs). It was concluded that groundwater is estimated to be 37 feet bgs.

Recommended Remediation Action Levels (RRALs) are determined by the site ranking according to the NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (1993). Below in Table 2 are the remediation standards and the site ranking for this location. Justification for this site ranking is found in Figure 1 and Appendix B.

Table 2.								
Soil Remediation Standards	0 to 9	10 to 19	>19					
Benzene	10 PPM	10 PPM	10 PPM					
BTEX	50 PPM	50 PPM	50 PPM					
ТРН	5000 PPM	1000 PPM	100 PPM					

Depth to Groundwater NMOCD Numeric Rank 20 < 50 BGS = 20 50' to 99' = 10 >100' = 0 **Distance to Nearest Surface Water** NMOCD Numeric Rank < 200' = 20 200' - 1000' = 10 >1000' = 0 0 **Well Head Protection NMOCD Numeric Rank** <1000' (or <200' domestic) = 20 0 > 1000' = 0 20 **Total Site Ranking**

3.0 Release Characterization

On January 22, 2018, SMA field personnel assessed the release area. Soil samples were fieldscreened for chlorides using an electric conductivity meter (EC), EPA Method 4500. Five sample locations (L1-L5) were augured by hand to a maximum depth of 1 foot bgs.

On February 8, 2018, after approval from area utilities via 811, SMA field personnel returned to the location to further delineate sample locations L1 through L5 with a backhoe service. The locations were delineated using field-screening to depths of 3, 10, 12, 2 and 6 feet bgs, respectively.

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Nash Unit #5 2RP-4598 June 19, 2018

All samples were collected and processed according to NMOCD soil sampling procedures. The samples were sent under chain-of-custody protocols to Hall Environmental Analysis Laboratory for analysis including MRO, DRO, and GRO by EPA Method 8015D, BTEX by EPA Method 8021, and Chlorides by Method 300.

Laboratory results confirmed the vertical extents of L1 at 2 feet bgs, L2 and L3 at 4 feet bgs, and L4 at 2 feet bgs; however, results from L5 indicated that contamination extended beyond 6 feet bgs. Sample locations are depicted on Figure 2. Field screening and laboratory results are summarized in Table 3. Laboratory reports are included in Appendix C.

4.0 Soil Remediation

On May 17, 2018, after approval from area utilities via 811, SMA returned to the site to guide the excavation of contaminated soil. Soil samples were field-screened for chlorides using a mobile EC unit (EPA Method 4500) and for TPH with a PetroFlag device.

The area around sample point L1 was excavated to 3 feet bgs. Locations L2 and L3 were excavated to 4 feet bgs and a liner was placed in this area. Location L4 was excavated to 2 feet bgs and L5 was excavated to 12 feet bgs, until field-screening indicated clean soil had been reached. Two additional samples were collected from the bottom of the open excavation, between L4 and L5 (BH1 at 1 foot) and between L3 and L4 (BH2 at 2 feet). Thirteen sidewall samples were collected as well.

As summarized in Table 3, closure samples were within NMOCD RRALs with the exception to sidewall sample SW12, which was slightly elevated in chlorides but could not be further excavated due to equipment. Contaminated soils were removed and replaced with clean backfill material to return the surface to previous contours. The contaminated soil was transported for proper disposal at an NMOCD permitted disposal facility. Sample locations are depicted on Figure 2. All field screening and laboratory results are summarized in Table 3. Laboratory reports are included in Appendix C.

5.0 Scope and Limitations

The scope of our services consisted of the performance of assessment sampling, verification of release stabilization, regulatory liaison, remediation, and preparation of this closure report. Work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either Austin Weyant at 575-689-8801 or Shawna Chubbuck at 505-325-7535.

Submitted by: SOUDER, MILLER & ASSOCIATES

J. Hustin Weyant

Austin Weyant Project Scientist

Reviewed by:

hauna Chubbuck

Shawna Chubbuck Senior Scientist

Nash Unit #5 2RP-4598 June 19, 2018

ATTACHMENTS:

Figures:

Figure 1: Vicinity and Well Head Protection Map Figure 2: Site and Sample Location Map

Tables:

Table 3: Summary of Sample Results

Appendices:

Appendix A: Form C141 Initial and Final Appendix B: NMOSE Wells Report Appendix C: Laboratory Analytical Reports Page 4 of 4

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FIGURE 1 VICINITY AND NMOSE DATA MAP



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FIGURE 2 SITE AND SAMPLE LOCATION MAP

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TABLE 3 SUMMARY SAMPLE RESULTS

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Nash Unit #5

Table 3.											
Sample		Depth (feet		BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-	Cl-
Number on Figure 2	Sample Date	bgs)	Action Taken	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	Field Screens (ppm)	Laboratory mg/Kg
	NMOCD RRAL's fo	or Site Ranking 2	0	50 mg/Kg	10 mg/Kg				100 mg/Kg		
	1/22/2018	0.5	excavated	<0.096	<0.024	<4.8	540	360	900		8600
L1	1/22/2018	1	excavated	<0.093	<0.023	<4.6	200	150	350		4700
	2/8/2018	2	excavated			<5.0	20	<49	20	2676	3800
	2/8/2018	3	in-situ							141	100
	1/22/2018	0.5	excavated	2.24	<0.024	53	1500	860	2413		4200
	1/22/2018	1	excavated	0.396	<0.023	11	400	920	1331		1600
	2/8/2018	2	excavated			<4.8	67	110	177	1237	1200
L2	2/8/2018	4	excavated			<4.8	17	<50	17	1511	1900
	2/8/2018	6	in-situ							1397	1900
	2/8/2018	8	in-situ							826	1100
	2/8/2018	10	in-situ								480
	1/22/2018	0.5	excavated	0.85	<0.023	17	100	240	357		1400
	1/22/2018	1	excavated								1200
	2/8/2018	2	excavated			<4.9	<9.7	<49	<63.6	1385	1700
L3	2/8/2018	4	excavated							1283	1600
LS	2/8/2018	6	in-situ							849	1800
	2/8/2018	8	in-situ								1100
	2/8/2018	10	in-situ								600
	2/8/2018	12	in-situ								1200
L4	1/22/2018	1	excavated								1200
L4	2/8/2018	2	in-situ	<0.224	<0.025	<5.0	47	<49	47	221	290
	1/22/2018	0.5	excavated	144	<1.2	2900	35000	14000	51900		35
	1/22/2018	1	excavated	64.3	<0.49	1300	11000	4000	16300		67
	2/8/2018	2	excavated	<0.219	<0.024	<4.9	<9.6	<48	<62.5		
	2/8/2018	3	excavated			290	4700	2000	6990		
	2/8/2018	5	excavated			37	580	250	867		
L5 -	2/8/2018	6	excavated			5.2	370	190	565.2		
	5/17/2018	6	excavated	<0.222	<0.025	<4.9	14	<49	14	<130	<30
	5/17/2018	8	excavated	<0.222	<0.025	<4.9	<10	<50	<64.9	<130	<30
	5/17/2018	10	excavated	<0.216	<0.024	<4.8	510	300	810	<130	39
	5/17/2018	12	in-situ	<0.22	<0.024	<4.9	<10	<50	<64.9	<130	39

n	Sample	1/2022 0-00-55	pppth (feet		BTEX	Benzene	GRO	DRO	MRO	Total TPH	CI-	Cl-	11 . 60
<i>Keceivea</i> l	V Number dn4 Figure 2	1/29233phe 08te55.	bgs)	Action Taken	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	Field Screens (ppm)	Laboratory mg/Kg	age 11 of 9.
		NMOCD RRAL's fo	or Site Ranking 2	0	50 mg/Kg	10 mg/Kg				100 mg/Kg			
	BH1	5/17/2018	1	in-situ	<0.211	<0.023	<4.7	<9.8	<49	<63.5	<130	<30	
	BH2	5/17/2018	2	in-situ	<0.221	<0.025	<5.0	<9.9	<49	<63.9	<130	<30	
	SW1	5/17/2018	sidewall	in-situ	<0.222	<0.025	<4.9	<10	<50	<64.9	<130	<30	
	SW2	5/17/2018	sidewall	in-situ	<0.215	<0.024	<4.8	<10	<50	<64.8	<130	46	1
	SW3	5/17/2018	sidewall	in-situ	<0.214	<0.024	<4.8	<10	<50	<64.8	<130	72	
	SW4	5/17/2018	sidewall	in-situ	<0.213	<0.024	<4.7	<10	<50	<64.7	<130	<30	1
	SW5	5/17/2018	sidewall	in-situ	<0.219	<0.024	<4.9	<10	<50	<64.9	<130	<30	
	SW6	5/17/2018	sidewall	in-situ							<130	<30	1
	SW7	5/17/2018	sidewall	in-situ							<130		
	SW8	5/17/2018	sidewall	in-situ							<130		
	SW9	5/17/2018	sidewall	in-situ							<130		
	SW10	5/17/2018	sidewall	in-situ							203	96	
	SW11	5/17/2018	sidewall	in-situ							<130		
	SW12	5/17/2018	sidewall	in-situ							1631	1100	
	SW13	5/17/2018	sidewall	in-situ							390	260	
	BG1	1/22/2018	1	in-situ								190]
	BG2	1/22/2018	1	in-situ								<30]
	BG3	2/8/2018	5	in-situ							415	480]

orange line denotes liner placement

Excavated

exceeds RRAL's

"--" = Not Analyzed

APPENDIX A FORM C141 INITIAL AND FINAL

NM OIL CONSERVATION

District II Energy Min	te of New Mexico erals and Natural Resources	FEB 0 1 2018 Form C-141 Revised April 3, 2017							
1000 Kio Brazos Koad, Aztec, NM 87410	onservation Division South St. Francis Dr.	Submit 1 Copy to appropriate District Office in RECEIVED dance with 19.15.29 NMAC.							
1220 S. St. Example Dr. Conto En NIA 62605	ita Fe, NM 87505								
Release Notification and Corrective Action									
NAB (803/1348/3 OPERATOR Initial Report Final Report									
Name of Company: XTO Energy 5380	Contact: Amy Ruth								
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No: 575-689-33								
Facility Name: Nash Unit #005	Facility Type: Exploration	and Production							
Surface Owner: Federal Mineral Ov	vner: Federal	API No: 30-015-21800							
LOCA	FION OF RELEASE								
	North/South Line Feet from the	East/West Line County							
<u> </u>	South 330	East Eddy							
Latitude 32.304197°	Longitude103.930741°	_ NAD83							
	JRE OF RELEASE								
Type of Release Produced water and crude oil	Volume of Release 12 bbls	Volume Recovered 2 bbls							
Source of Release	Date and Hour of Occurrence								
Poly flow line Was Immediate Notice Given?	1/17/2018, unknown If YES, To Whom?	1/17/2018 10:45 AM							
Yes No X Not Req									
By Whom? N/A	Date and Hour: N/A	Date and Hour: N/A							
Was a Watercourse Reached?	If YES, Volume Impacting th N/A	If YES, Volume Impacting the Watercourse.							
If a Watercourse was Impacted, Describe Fully.*									
N/A									
Describe Cause of Problem and Remedial Action Taken.*									
Leak formed on poly line near its connection to steel line due to ice	plug. Well was shut in for repairs.								
Describe Area Affected and Cleanup Action Taken.*									
Fluids impacted well pad and spread approximately 300 feet into we		vered. An environmental contractor has been							
retained to assist with remediation and delineation sampling was ini	itiated.								
I hereby certify that the information given above is true and comple	te to the best of my knowledge and ut	derstand that pursuant to NMOCD rules and							
regulations all operators are required to report and/or file certain rel	ease notifications and perform correct	ive actions for releases which may endanger							
public health or the environment. The acceptance of a C-141 report should their operations have failed to adequately investigate and rer	t by the NMOCD marked as "Final Re nediate contamination that pose a three	port" does not relieve the operator of hability at to ground water, surface water, human health							
should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other									
federal, state, or local laws and/or regulations.	federal, state, or local laws and/or regulations.								
N R R									
Signature:		IT RED LIN							
Printed Name: Amy C. Buth	Approved by Environmental Sp	Containst: UMULX VV							
Title: Environmental Coordinator	Approval Date: 2518	Expiration Date: NIA							
E-mail Address: Amy_Ruth@xtoenergy.com	Conditions of Approval	Attached							
Date: 2/1/2018 Phone: 575-689-3380	Conditions of Approval?	-Nevi 222-4598							

Date: 2/1/2018 Phone: 575-689-3380 * Attach Additional Sheets If Necessary

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Operator/Responsible Party,

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District II office in Artesia on or before 3/1/18. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

• Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

• Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.

• Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us

Received by OCD: 3/21/2023 8:08:55 AM		Page 16 of 95			
District II Energy Minerals	New Mexico and Natural Resources	Form C-141 Revised April 3, 2017			
811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 Oil Conset	rvation Division S	ubmit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.			
District IV 1220 Sout	h St. Francis Dr.	accordance with 15.15.25 NWIAC.			
Santa r	e, NM 87505 n and Corrective Actio				
Release Inotificatio					
Name of Commony VTO Energy Inc	OPERATOR	Initial Report 🛛 Final Report			
Name of Company XTO Energy Inc.Address 522 W. Mermod, Ste 704, Carlsbad NM 88220	Contact Amy Ruth Telephone No. 575-689-3380				
Facility Name Nash Unit #5	Facility Type Exploration and	Production			
Surface Owner BLM Mineral Owner		API No. 30-015-21800			
		AFTINO. 50-013-21800			
	N OF RELEASE	t/West Line County			
		Cast Eddy			
Latitude_32.304197 Lo	ngitude103.930741N	AD83			
NATURE	OF RELEASE				
Type of Release produced water and crude oil	Volume of Release 12 bbls	Volume Recovered 2 bbls			
Source of Release poly flow line	Date and Hour of Occurrence 1/17/2018	Date and Hour of Discovery 1/17/2018			
Was Immediate Notice Given?	If YES, To Whom?				
Yes 🗌 No 🛛 Not Required					
By Whom? N/A	Date and Hour N/A				
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.				
If a Watercourse was Impacted, Describe Fully.*	12				
Describe Cause of Problem and Remedial Action Taken.*					
Leak formed on poly line near its connection to steel line due to ice plug.	Well was shut in for repairs.				
Describe Area Affected and Cleanup Action Taken.*					
Remediation performed as per an NMOCD approved work plan.					
I harshy partify that the information given above is true and complete to t	the heat of my knowledge and under	tond that murrought to NMOCD rules and			
I hereby certify that the information given above is true and complete to t regulations all operators are required to report and/or file certain release r					
public health or the environment. The acceptance of a C-141 report by th	e NMOCD marked as "Final Report	" does not relieve the operator of liability			
should their operations have failed to adequately investigate and remedia	te contamination that pose a threat to	ground water, surface water, human health			
or the environment. In addition, NMOCD acceptance of a C-141 report of federal, state, or local/laws and/or regulations.	loes not relieve the operator of respo	nsibility for compliance with any other			
Icueral, state, of localitaws and/of regulations.	OIL CONSER	VATION DIVISION			
Signature: Mun Liela					
	Approved by Environmental Specia	list:			
Printed Name: Amy C. Ruth					
Title: Environmental Coordinator	Approval Date:	Expiration Date:			
E-mail Addressy amy ruth@xtoenergy.com	Conditions of Approval:	Attached			
Date: 7/2/18 Phone: 575-689-3380					
Attach Additional Sheets If Necessary		2RP-4598			

APPENDIX B NMOSE WELLS REPORT

New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)						2=NE 3	3=SW 4=:	SE) (NAD83 UTM in m	neters)	(In feet)	
	POD Sub-	·	Q	QC	2						Depth	Depth	Water
POD Number C 02486	Code basin Co	ounty ED				23S		60130	X Y 14 3572832* 🦲	Distance 1930	350		Column
C 04018 POD1	CUB	ED	2	2 ~	2	23S	30E	60466		4081	380	179	201
C 03478 POD1	С	ED	3	2 ~	2	23S	30E	60463	8 3573670 🌍	4098	230	105	125
<u>C 02794</u>		ED		4 3	3 10) 23S	29E	59651	8 3575731* 🌍	4278	100		
<u>C 02795</u>		ED		4 3	3 10) 23S	29E	59651	8 3575731* 🌍	4278	200		
<u>C 02715</u>		ED	4	1 3	3 15	5 23S	29E	59622	1 3574411* 🌍	4443	400		
<u>C 02797</u>		ED		2 3	3 22	2 23S	29E	59654	0 3572895* 🌍	4477	200		
<u>C 02718</u>		ED	4	4 2	2 16	6 23S	29E	59581	6 3574812* 🌍	4844	400		
<u>C 02717</u>		ED	4	2 4	16	6 23S	29E	59581	7 3574407* 🌍	4847	400		
<u>C 02716</u>		ED	4	4 4	16	6 23S	29E	59581	8 3574002* 🌍	4883	400		
									Avera	age Depth to	Water:	142	feet
										Minimum	Depth:	105	feet
										Maximum	Depth:	179	feet
Record Count: 10													

Record Count: 10

UTMNAD83 Radius Search (in meters):

Easting (X): 600658

Northing (Y): 3574651.61

Radius: 5000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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APPENDIX C LABORATORY ANALYTICAL REPORTS



February 21, 2018

Austin Weyant Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: (575) 689-7040 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

OrderNo.: 1802746

Dear Austin Weyant:

RE: Nash 5

Hall Environmental Analysis Laboratory received 16 sample(s) on 2/13/2018 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 <u>www.hallenvironmental.com</u> 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 #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project:

Lab ID:

CLIENT: Souder, Miller & Associates

1802746-001

Nash 5

Analytical Report

Lab Order 1802746 Date Reported: 2/21/2018

Client Sample ID: L1-2
Collection Date: 2/8/2018 9:19:00 AM
Received Date: 2/13/2018 9:45:00 AM

Analyses	Result	PQL Qu	L Qual Units		Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CJS
Chloride	3800	150	mg/Kg	100	2/19/2018 3:39:50 PM	36564
EPA METHOD 8015M/D: DIESEL RA		5			Analys	t: TOM
Diesel Range Organics (DRO)	20	9.7	mg/Kg	1	2/14/2018 1:48:30 PM	36497
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/14/2018 1:48:30 PM	36497
Surr: DNOP	88.0	70-130	%Rec	1	2/14/2018 1:48:30 PM	36497
EPA METHOD 8015D: GASOLINE R	ANGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/14/2018 7:14:41 PM	36511
Surr: BFB	92.2	15-316	%Rec	1	2/14/2018 7:14:41 PM	36511

Matrix: SOIL

Qualifiers:	*
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- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 20 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Hall Environmental Analysi	s Labora	tory, Inc.		Analytical Report Lab Order 1802746 Date Reported: 2/21/2	2018
CLIENT: Souder, Miller & Associates			Client Sampl	e ID: L1-3	
Project: Nash 5			Collection 1	Date: 2/8/2018 9:27:00 AM	
Lab ID: 1802746-002	Matrix:	SOIL	Received 1	Date: 2/13/2018 9:45:00 AM	
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	st: CJS
Chloride	100	30	mg/Kg	20 2/16/2018 1:44:24 PM	1 36564

Qualifiers:	;
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- * 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 Quanitative 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 Page 2 of 20
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

EPA METHOD 8015D: GASOLINE RANGE

Gasoline Range Organics (GRO)

Surr: BFB

Analytical Report

Lab Order 1802746

Date Reported: 2/21/2018

2/14/2018 7:38:04 PM

2/14/2018 7:38:04 PM

1

1

Analyst: NSB

36511

36511

CLIENT:	Souder, Miller & Associates			Client Samp	le ID: L2	-2	
Project:	Nash 5			Collection	Date: 2/8	/2018 11:00:00 AM	
Lab ID:	1802746-003	Matrix:	SOIL	Received	Date: 2/1	3/2018 9:45:00 AM	
Analyses		Result	PQL Qua	l Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst	CJS
Chloride		1200	75	mg/Kg	50	2/19/2018 3:52:15 PM	36564
EPA MET	THOD 8015M/D: DIESEL RANG	E ORGANICS	6			Analyst	: ТОМ
Diesel R	ange Organics (DRO)	67	9.5	mg/Kg	1	2/15/2018 1:14:24 PM	36497
Motor Oi	I Range Organics (MRO)	110	48	mg/Kg	1	2/15/2018 1:14:24 PM	36497
Surr: I	DNOP	90.2	70-130	%Rec	1	2/15/2018 1:14:24 PM	36497

4.8

15-316

mg/Kg

%Rec

ND

87.9

Qualifiers:	*
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- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 3 of 20 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Project:

Lab ID:

CLIENT: Souder, Miller & Associates

1802746-004

Nash 5

Analytical Report
Lab Order 1802746

Lab Order **1802746** Date Reported: **2/21/2018**

	Client Sample ID: L2-4
	Collection Date: 2/8/2018 11:05:00 AM
Matrix: SOIL	Received Date: 2/13/2018 9:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CJS
Chloride	1900	75	mg/Kg	50	2/19/2018 4:04:40 PM	36564
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analys	t: TOM
Diesel Range Organics (DRO)	17	10	mg/Kg	1	2/15/2018 2:09:46 PM	36497
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/15/2018 2:09:46 PM	36497
Surr: DNOP	87.1	70-130	%Rec	1	2/15/2018 2:09:46 PM	36497
EPA METHOD 8015D: GASOLINE R	ANGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/14/2018 8:01:22 PM	36511
Surr: BFB	87.4	15-316	%Rec	1	2/14/2018 8:01:22 PM	36511

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 Quanitative 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 Page 4 of 20
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysi	s Labora	torv. Inc.		Analytical Report Lab Order 1802746 Date Reported: 2/21/2	
CLIENT: Souder, Miller & Associates			Client Sampl	*	
Project: Nash 5 Lab ID: 1802746-005	Matrix:	SOIL	00110011011	Date: 2/8/2018 11:08:00 AM Date: 2/13/2018 9:45:00 AM	
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	/st: CJS
Chloride	1900	75	mg/Kg	50 2/19/2018 4:17:05 PI	M 36564

- * 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 Quanitative 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 Page 5 of 20
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysi	s Labora	tory, Inc.		Analytical Report Lab Order 1802746 Date Reported: 2/21/2	2018
CLIENT: Souder, Miller & Associates			Client Sampl	le ID: L2-8	
Project: Nash 5			Collection 1	Date: 2/8/2018 11:12:00 AM	
Lab ID: 1802746-006	Matrix:	SOIL	Received	Date: 2/13/2018 9:45:00 AM	
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	st: CJS
Chloride	1100	30	mg/Kg	20 2/16/2018 2:58:51 PM	1 36564

Qualifiers:	;
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- * 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 Quanitative 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 Page 6 of 20
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

CLIENT: Souder, Miller & Associates

1802746-007

Nash 5

Project:

Lab ID:

Analytical Report

Lab Order 1802746

Date Reported: 2/21/2018

Client Sample ID: L3-2 Collection Date: 2/8/2018 10:05:00 AM

Received Date: 2/13/2018 9:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CJS
Chloride	1700	75	mg/Kg	50	2/20/2018 4:43:25 PM	36564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS				Analys	t: TOM	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/14/2018 3:12:25 PM	36497
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/14/2018 3:12:25 PM	36497
Surr: DNOP	87.0	70-130	%Rec	1	2/14/2018 3:12:25 PM	36497
EPA METHOD 8015D: GASOLINE R	ANGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/14/2018 8:24:46 PM	36511
Surr: BFB	88.4	15-316	%Rec	1	2/14/2018 8:24:46 PM	36511

Matrix: SOIL

Qualifiers:	*	
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- Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 7 of 20 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Hall Environmental Analysi	tory, Inc.		Analytical Report Lab Order 1802746 Date Reported: 2/21/2018		
CLIENT: Souder, Miller & Associates			Client Sampl	e ID: L3-4	
Project: Nash 5			Collection I	Date: 2/8/2018 10:09:00 AM	
Lab ID: 1802746-008	Matrix:	SOIL	Received I	Date: 2/13/2018 9:45:00 AM	
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	st: CJS
Chloride	1600	75	mg/Kg	50 2/20/2018 4:55:50 PM	36564

Qualifiers:	1
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- * 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 Quanitative 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 Page 8 of 20
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysi	tory, Inc.		Analytical Report Lab Order 1802746 Date Reported: 2/21/2018		
CLIENT: Souder, Miller & Associates			Client Sampl	e ID: L3-6	
Project: Nash 5			Collection 1	Date: 2/8/2018 10:10:00 AM	
Lab ID: 1802746-009	Matrix:	SOIL	Received 1	Date: 2/13/2018 9:45:00 AM	
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analys	st: CJS
Chloride	1800	75	mg/Kg	50 2/20/2018 5:08:15 PM	36564

1

- * 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 Quanitative 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 Page 9 of 20
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Project:

CLIENT: Souder, Miller & Associates

Nash 5

Analytical Report
Lab Order 1802746

Lab Order **1802746** Date Reported: **2/21/2018**

Client Sample ID: L4-2
Collection Date: 2/8/2018 10:00:00 AM
Pagainad Data: 2/13/2018 0:45:00 AM

Lab ID: 1802746-010	Matrix: SOIL		Received l	Received Date: 2/13/2018 9:45:00 AM			
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: CJS	
Chloride	290	30	mg/Kg	20	2/16/2018 3:48:30 PM	36564	
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	6			Analyst	t: TOM	
Diesel Range Organics (DRO)	47	9.7	mg/Kg	1	2/14/2018 3:40:27 PM	36497	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/14/2018 3:40:27 PM	36497	
Surr: DNOP	81.4	70-130	%Rec	1	2/14/2018 3:40:27 PM	36497	
EPA METHOD 8015D: GASOLINE RAM	NGE				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/14/2018 8:48:07 PM	36511	
Surr: BFB	90.9	15-316	%Rec	1	2/14/2018 8:48:07 PM	36511	
EPA METHOD 8021B: VOLATILES					Analyst	II NSB	
Benzene	ND	0.025	mg/Kg	1	2/14/2018 8:48:07 PM	36511	
Toluene	ND	0.050	mg/Kg	1	2/14/2018 8:48:07 PM	36511	
Ethylbenzene	ND	0.050	mg/Kg	1	2/14/2018 8:48:07 PM	36511	
Xylenes, Total	ND	0.099	mg/Kg	1	2/14/2018 8:48:07 PM	36511	
Surr: 4-Bromofluorobenzene	88.6	80-120	%Rec	1	2/14/2018 8:48:07 PM	36511	

- * 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 Quanitative 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 Page 10 of 20
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysi	s Labora	tory, Inc.		Analytical Report Lab Order 1802746 Date Reported: 2/21/2	2018	
CLIENT: Souder, Miller & Associates			Client Sampl	le ID: BG3-5		
Project: Nash 5			Collection 1	Date: 2/8/2018 11:50:00 AM		
Lab ID: 1802746-011	Matrix:	SOIL	Received	Date: 2/13/2018 9:45:00 AM		
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS				Analy	vst: CJS	
Chloride	480	30	mg/Kg	20 2/16/2018 4:00:55 PM	M 36564	

Qualifiers:	
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- * 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 Quanitative 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 Page 11 of 20
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysi	s Labora	tory, Inc.		Analytical Report Lab Order 1802746 Date Reported: 2/21/2	018	
CLIENT: Souder, Miller & Associates			Client Sampl	le ID: BG2-1		
Project: Nash 5			Collection	on Date: 1/22/2018 11:30:00 AM		
Lab ID: 1802746-012	Matrix:	SOIL	Received	Date: 2/13/2018 9:45:00 AM		
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS				Analys	st: CJS	
Chloride	ND	30	mg/Kg	20 2/16/2018 4:13:20 PM	36564	

Qualifiers:	1
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- * 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 Quanitative 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 Page 12 of 20
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Surr: 4-Bromofluorobenzene

Analytical Report

Lab Order 1802746

Date Reported: 2/21/2018

2/14/2018 9:11:27 PM

36511

CLIENT: Souder, Miller & Associates Project: Nash 5	Client Sample ID: L5-2 Collection Date: 2/8/2018 9:40:00 AM						
Lab ID: 1802746-013	Matrix:	SOIL	Received Date: 2/13/2018 9:45:00 AM				
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	6			Analyst	t: TOM	
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/14/2018 4:08:08 PM	36497	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/14/2018 4:08:08 PM	36497	
Surr: DNOP	76.6	70-130	%Rec	1	2/14/2018 4:08:08 PM	36497	
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	t: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/14/2018 9:11:27 PM	36511	
Surr: BFB	83.4	15-316	%Rec	1	2/14/2018 9:11:27 PM	36511	
EPA METHOD 8021B: VOLATILES					Analyst	t: NSB	
Benzene	ND	0.024	mg/Kg	1	2/14/2018 9:11:27 PM	36511	
Toluene	ND	0.049	mg/Kg	1	2/14/2018 9:11:27 PM	36511	
Ethylbenzene	ND	0.049	mg/Kg	1	2/14/2018 9:11:27 PM	36511	
Xylenes, Total	ND	0.097	mg/Kg	1	2/14/2018 9:11:27 PM	36511	

80-120

%Rec

1

88.7

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limit. Page 13 of 20 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

CLIENT: Souder, Miller & Associates

1802746-014

Nash 5

Project:

Lab ID:

Analytical Report Lab Order 1802746

Hall Environmental Analysis Laboratory, Inc.	

Matrix: SOIL

Date Reported: 2/21/2018

Client Sample ID: L5-3 Collection Date: 2/8/2018 9:42:00 AM

Received Date: 2/13/2018 9:45:00 AM

Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	;				Analys	t: TOM
Diesel Range Organics (DRO)	4700	99		mg/Kg	10	2/15/2018 3:04:46 PM	36497
Motor Oil Range Organics (MRO)	2000	490		mg/Kg	10	2/15/2018 3:04:46 PM	36497
Surr: DNOP	0	70-130	S	%Rec	10	2/15/2018 3:04:46 PM	36497
EPA METHOD 8015D: GASOLINE RA	NGE					Analys	t: NSB
Gasoline Range Organics (GRO)	290	24		mg/Kg	5	2/14/2018 9:34:49 PM	36511
Surr: BFB	502	15-316	S	%Rec	5	2/14/2018 9:34:49 PM	36511

Qualifiers:	*
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- Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- Н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limit. Page 14 of 20 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Nash 5

1802746-015

Project:

Lab ID:

Analytical Report Lab Order 1802746

.5

Matrix: SOIL

Client Sample ID: L5-5 Collection Date: 2/8/2018 9:45:00 AM

Received Date: 2/13/2018 9:45:00 AM

Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	5				Analy	st: TOM
Diesel Range Organics (DRO)	580	9.8		mg/Kg	1	2/15/2018 4:00:01 PM	/ 36497
Motor Oil Range Organics (MRO)	250	49		mg/Kg	1	2/15/2018 4:00:01 PM	/ 36497
Surr: DNOP	93.7	70-130		%Rec	1	2/15/2018 4:00:01 PM	1 36497
EPA METHOD 8015D: GASOLINE RA	ANGE					Analy	st: NSB
Gasoline Range Organics (GRO)	37	4.7		mg/Kg	1	2/14/2018 11:08:04 P	M 36511
Surr: BFB	439	15-316	s	%Rec	1	2/14/2018 11:08:04 F	M 36511

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 Quanitative 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 Page 15 of 20
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

CLIENT: Souder, Miller & Associates

1802746-016

Nash 5

Project:

Lab ID:

Analytical Report Lab Order 1802746

Hall Environmental Analysis Laboratory, Inc.	Date Re

Matrix: SOIL

Date Reported: 2/21/2018
Client Sample ID: L5-6

Collection Date: 2/8/2018 9:50:00 AM

Received Date: 2/13/2018 9:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analy	st: TOM
Diesel Range Organics (DRO)	370	9.8	mg/Kg	1	2/15/2018 4:55:21 PM	1 36497
Motor Oil Range Organics (MRO)	190	49	mg/Kg	1	2/15/2018 4:55:21 PM	1 36497
Surr: DNOP	91.2	70-130	%Rec	1	2/15/2018 4:55:21 PM	1 36497
EPA METHOD 8015D: GASOLINE R	ANGE				Analy	st: NSB
Gasoline Range Organics (GRO)	5.2	5.0	mg/Kg	1	2/14/2018 11:54:37 P	M 36511
Surr: BFB	126	15-316	%Rec	1	2/14/2018 11:54:37 P	M 36511

- * 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 Quanitative 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 Page 16 of 20
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
| Client:
Project: | Souder,
Nash 5 | Miller & As | sociate | es | | | | | | | |
|---------------------|-------------------|-------------|-----------------|-----------|-------------|-----------|-----------|--------------------|------|----------|------|
| Sample ID | MB-36564 | SampTy | /pe: m l | blk | Tes | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: | PBS | Batch | ID: 36 | 564 | F | RunNo: 49 | 9182 | | | | |
| Prep Date: | 2/16/2018 | Analysis Da | ate: 2/ | /16/2018 | S | SeqNo: 1 | 587449 | Units: mg/K | ģ | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ND | 1.5 | | | | | | | | |
| Sample ID | LCS-36564 | SampTy | /pe: Ics | 6 | Tes | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: | LCSS | Batch | ID: 36 | 564 | F | RunNo: 49 | 9182 | | | | |
| Prep Date: | 2/16/2018 | Analysis Da | ate: 2/ | /16/2018 | S | SeqNo: 1 | 587450 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | 14 | 1.5 | 15.00 | 0 | 95.4 | 90 | 110 | | | |

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 Quanitative 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

1802746

21-Feb-18

WO#:

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Client: Souder, Project: Nash 5	Miller & A	ssociate	es							
Sample ID LCS-36497	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 36	497	F	RunNo: 4	9120				
Prep Date: 2/13/2018	Analysis D	ate: 2/	/14/2018	S	SeqNo: 1	583411	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	80.8	70	130			
Surr: DNOP	4.3		5.000		86.9	70	130			
Sample ID MB-36497	SampT	уре: М	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	n ID: 36	497	F	RunNo: 4	9120				
Prep Date: 2/13/2018	Analysis D	ate: 2/	/14/2018	S	SeqNo: 1	583412	Units: mg/ł	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		90.3	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 Quanitative 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

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WO#:

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Client: Project:	Souder, 1 Nash 5	Miller & A	ssociate	es							
Sample ID	MB-36511	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch	n ID: 36	511	F	anNo: 4	9134				
Prep Date:	2/13/2018	Analysis D	ate: 2/	14/2018	S	SeqNo: 1	583849	Units: mg/k	ģ		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	ND	5.0								
Surr: BFB		970		1000		96.6	15	316			
Sample ID	LCS-36511	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	LCSS	Batch	n ID: 36	511	F	tunNo: 4	9134				
Prep Date:	2/13/2018	Analysis D	ate: 2/	14/2018	5	SeqNo: 1	583850	Units: mg/k	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	28	5.0	25.00	0	112	75.9	131			
Surr: BFB		1100		1000		105	15	316			

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 Quanitative 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

1802746

21-Feb-18

WO#:

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Client: Souder Project: Nash 5	, Miller & A	ssociate	es							
Sample ID MB-36511	SampT	Гуре: МЕ	BLK	Tes	tCode: E	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batcl	h ID: 36	511	F	RunNo: 4	9134				
Prep Date: 2/13/2018	Analysis E	Date: 2/	14/2018	S	SeqNo: 1	583882	Units: mg/k	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.4	80	120			
Sample ID LCS-36511	SampT	SampType: LCS			TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS	Batcl	h ID: 36	511	F	RunNo: 49134					
Prep Date: 2/13/2018	Analysis D	Date: 2/	14/2018	S	SeqNo: 1	583883	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	99.6	77.3	128			
Toluene	0.98	0.050	1.000	0	97.8	79.2	125			
Ethylbenzene	0.96	0.050	1.000	0	96.2	80.7	127			
Xylenes, Total	3.0	0.10	3.000	0	98.8	81.6	129			
Surr: 4-Bromofluorobenzene	0.92		1.000		92.2	80	120			

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 Quanitative 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

1802746

21-Feb-18

WO#:

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Page	41	of	95

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	ONMENTAL SIS Atory	TEL: 505-345	ental Analysis Labo 4901 Hawk Albuquerque, NM -3975 FAX: 505-34 vw.hallenvironment	ins NE 87109 Sar 5-4107	nple Log-In C	heck Lis
Client Name:	SMA-CARLSBAD	Work Order Nur	mber: 1802746		RcptNo:	1
Received By:	Sophia Campuzano	2/13/2018 9:45:00) AM	Soychee, Compe		
Completed By:	Ashley Gallegos	2/13/2018 12:54:2	29 PM	A		
Reviewed By:	PDS	2/13/18	3	Q		
Labeled	By: SRE 0:	2113/18				
<u>Chain of Cust</u>	ody					
1. Is Chain of Cu	stody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the s	ample delivered?		Courier			
Log In 3. Was an attemp	ot made to cool the sample	es?	Yes 🗹	No 🗀	NA 🗋	
4. Were all sample	es received at a temperatu	ure of ≥0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌	
5. Sample(s) in pr	oper container(s)?		Yes 🔽	No 🗌		
6. Sufficient samp	le volume for indicated tes	t(s)?	Yes 🔽	No 🗌		
7. Are samples (ex	cept VOA and ONG) prop	erly preserved?	Yes 🔽	No 🗌		
8. Was preservativ	ve added to bottles?		Yes 🗌	No 🔽	NA 🗔	
9. VOA vials have	zero headspace?		Yes 🗌	No 🗌	No VOA Vials 🔽	
10. Were any samp	ble containers received bro	ken?	Yes	No 🗹		
	match bottle labels? cies on chain of custody)		Yes 🔽	No 🗔	# of preserved bottles checked for pH:	>12 unless note
	rrectly identified on Chain	of Custody?	Yes 🔽	No 🗆	Adjusted?	- 12 unices note
3. Is it clear what a	nalyses were requested?	-	Yes 🔽	No 🗌		
	times able to be met? tomer for authorization.)		Yes 🗹	No 🗌	Checked by:	
<u>Special Handlin</u>	g (if applicable)					
15. Was client notif	ied of all discrepancies wit	h this order?	Yes 🗌	No 🗌	NA 🔽	
Person No By Whom Regarding Client Inst	:	Date Via:	7	Phone 🗌 Fax	In Person	
16. Additional rema		·			-· · ·································	
17. <u>Cooler Informa</u> Cooler No	ation Temp ⁰C Condition	Seal Intact Seal No es	Seal Date	Signed By		

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February 07, 2018

Austin Weyant Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: (575) 689-7040 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Nash Unit 5

OrderNo.: 1801B19

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 10 sample(s) on 1/24/2018 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 <u>www.hallenvironmental.com</u> 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 #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project: Nash Unit 5

CLIENT: Souder, Miller & Associates

Surr: 4-Bromofluorobenzene

Analytical Report

104

Lab Order 1801B19

Date Reported: 2/7/2018

Client Sample ID: L1-0.5' Collection Date: 1/22/2018 11:10:00 AM JD-4-- 1/04/2010 0.45.00 AM .

Lab ID: 1801B19-001	Matrix:	SOIL	Received 1	Date: 1/24	4/2018 9:45:00 AM	
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	8600	300	mg/Kg	200	1/30/2018 2:37:04 PM	36261
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	6			Analyst	том
Diesel Range Organics (DRO)	540	9.4	mg/Kg	1	1/28/2018 2:32:58 AM	36208
Motor Oil Range Organics (MRO)	360	47	mg/Kg	1	1/28/2018 2:32:58 AM	36208
Surr: DNOP	115	70-130	%Rec	1	1/28/2018 2:32:58 AM	36208
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	1/27/2018 2:13:39 AM	36205
Surr: BFB	98.5	15-316	%Rec	1	1/27/2018 2:13:39 AM	36205
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Methyl tert-butyl ether (MTBE)	ND	0.096	mg/Kg	1	1/27/2018 2:13:39 AM	36205
Benzene	ND	0.024	mg/Kg	1	1/27/2018 2:13:39 AM	36205
Toluene	ND	0.048	mg/Kg	1	1/27/2018 2:13:39 AM	36205
Ethylbenzene	ND	0.048	mg/Kg	1	1/27/2018 2:13:39 AM	36205
Xylenes, Total	ND	0.096	mg/Kg	1	1/27/2018 2:13:39 AM	36205

80-120

%Rec

1

1/27/2018 2:13:39 AM

36205

- * Value exceeds Maximum Contaminant Level. D
- Sample Diluted Due to Matrix Н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 15 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Analytical Report

Hall Environmental Analysis Laboratory, Inc.
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Lab Order 1801B19

Date Reported: 2/7/2018

CLIENT: Souder, Miller & Associates Project: Nash Unit 5	Client Sample ID: L1-1' Collection Date: 1/22/2018 10:50:00 AM							
Lab ID: 1801B19-002	Matrix: SOIL		Received Date: 1/24/2018 9:45:00 AM					
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	: MRA		
Chloride	4800	300	mg/Kg	200	1/30/2018 3:51:31 PM	36261		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	6			Analys	: TOM		
Diesel Range Organics (DRO)	200	9.4	mg/Kg	1	1/28/2018 3:38:03 AM	36208		
Motor Oil Range Organics (MRO)	150	47	mg/Kg	1	1/28/2018 3:38:03 AM	36208		
Surr: DNOP	110	70-130	%Rec	1	1/28/2018 3:38:03 AM	36208		
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	: NSB		
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	1/27/2018 3:47:30 AM	36205		
Surr: BFB	92.9	15-316	%Rec	1	1/27/2018 3:47:30 AM	36205		

EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	1/27/2018 3:47:30 AM	36205
Surr: BFB	92.9	15-316	%Rec	1	1/27/2018 3:47:30 AM	36205
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Methyl tert-butyl ether (MTBE)	ND	0.093	mg/Kg	1	1/27/2018 3:47:30 AM	36205
Benzene	ND	0.023	mg/Kg	1	1/27/2018 3:47:30 AM	36205
Toluene	ND	0.046	mg/Kg	1	1/27/2018 3:47:30 AM	36205
Ethylbenzene	ND	0.046	mg/Kg	1	1/27/2018 3:47:30 AM	36205
Xylenes, Total	ND	0.093	mg/Kg	1	1/27/2018 3:47:30 AM	36205
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	1/27/2018 3:47:30 AM	36205

Qualifiers:

- * Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 15 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Project: Nash Unit 5

CLIENT: Souder, Miller & Associates

Analytical Report Lab Order 1801B19

	Hall Environmental Analysis Laboratory, Inc.	Date Reported: 2/7/2018
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Client Sample ID: L2-0.5' Collection Date: 1/22/2018 10:43:00 AM Received Date: 1/24/2018 9:45:00 AM

Lab ID: 1801B19-003	Matrix: S	SOIL		Received Date: 1/24/2018 9:45:00 AM			
Analyses	Result	PQL Q)ual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	4200	150		mg/Kg	100	1/30/2018 4:03:55 PM	36261
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	i				Analyst	том
Diesel Range Organics (DRO)	1500	100		mg/Kg	10	1/28/2018 4:43:13 AM	36208
Motor Oil Range Organics (MRO)	860	510		mg/Kg	10	1/28/2018 4:43:13 AM	36208
Surr: DNOP	0	70-130	S	%Rec	10	1/28/2018 4:43:13 AM	36208
EPA METHOD 8015D: GASOLINE RAM	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	53	4.7		mg/Kg	1	1/27/2018 4:10:55 AM	36205
Surr: BFB	379	15-316	S	%Rec	1	1/27/2018 4:10:55 AM	36205
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Methyl tert-butyl ether (MTBE)	ND	0.095		mg/Kg	1	1/27/2018 4:10:55 AM	36205
Benzene	ND	0.024		mg/Kg	1	1/27/2018 4:10:55 AM	36205
Toluene	0.16	0.047		mg/Kg	1	1/27/2018 4:10:55 AM	36205
Ethylbenzene	0.38	0.047		mg/Kg	1	1/27/2018 4:10:55 AM	36205
Xylenes, Total	1.7	0.095		mg/Kg	1	1/27/2018 4:10:55 AM	36205
Surr: 4-Bromofluorobenzene	136	80-120	S	%Rec	1	1/27/2018 4:10:55 AM	36205

- * 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 Quanitative 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 Page 3 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1801B19

Date Reported: 2/7/2018

1/27/2018 4:34:25 AM

1/27/2018 4:34:25 AM

1/27/2018 4:34:25 AM

1/27/2018 4:34:25 AM

36205

36205

36205

36205

CLIENT: Souder, Miller & Associates Project: Nash Unit 5					Date: 1/2	2/2018 10:59:00 AM	
Lab ID: 1801B19-004	Matrix:	SOIL		Received 1	Date: 1/2	24/2018 9:45:00 AM	
Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: MRA
Chloride	1600	75		mg/Kg	50	1/30/2018 4:16:19 PM	36261
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	6				Analys	t: TOM
Diesel Range Organics (DRO)	400	95		mg/Kg	10	1/29/2018 10:58:59 AM	1 36208
Motor Oil Range Organics (MRO)	920	470		mg/Kg	10	1/29/2018 10:58:59 AM	36208
Surr: DNOP	0	70-130	S	%Rec	10	1/29/2018 10:58:59 AM	1 36208
EPA METHOD 8015D: GASOLINE RAN	IGE					Analys	t: NSB
Gasoline Range Organics (GRO)	11	4.6		mg/Kg	1	1/27/2018 4:34:25 AM	36205
Surr: BFB	142	15-316		%Rec	1	1/27/2018 4:34:25 AM	36205
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Methyl tert-butyl ether (MTBE)	ND	0.091		mg/Kg	1	1/27/2018 4:34:25 AM	36205
Benzene	ND	0.023		mg/Kg	1	1/27/2018 4:34:25 AM	36205

0.046

0.046

0.091

80-120

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

0.051

0.065

0.28

110

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

Oualifiers:

Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 4 of 15 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Project:

Lab ID:

CLIENT: Souder, Miller & Associates

Nash Unit 5

1801B19-005

Analytical Report Lab Order 1801B19

Lab Order **1801B19** Date Reported: **2/7/2018**

Client Sample ID: L3-0.5' Collection Date: 1/22/2018 11:17:00 AM Received Date: 1/24/2018 9:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	t: MRA	
Chloride	1400	75	mg/Kg	50	1/30/2018 4:28:43 PM	36261	
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analys	t: TOM	
Diesel Range Organics (DRO)	100	9.1	mg/Kg	1	1/29/2018 11:47:27 AN	/ 36208	
Motor Oil Range Organics (MRO)	240	46	mg/Kg	1	1/29/2018 11:47:27 AN	/ 36208	
Surr: DNOP	92.8	70-130	%Rec	1	1/29/2018 11:47:27 AN	1 36208	
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	t: NSB	
Gasoline Range Organics (GRO)	17	4.6	mg/Kg	1	1/27/2018 4:57:53 AM	36205	
Surr: BFB	147	15-316	%Rec	1	1/27/2018 4:57:53 AM	36205	
EPA METHOD 8021B: VOLATILES					Analys	t: NSB	
Methyl tert-butyl ether (MTBE)	ND	0.093	mg/Kg	1	1/27/2018 4:57:53 AM	36205	
Benzene	ND	0.023	mg/Kg	1	1/27/2018 4:57:53 AM	36205	
Toluene	0.18	0.046	mg/Kg	1	1/27/2018 4:57:53 AM	36205	
Ethylbenzene	0.15	0.046	mg/Kg	1	1/27/2018 4:57:53 AM	36205	
Xylenes, Total	0.52	0.093	mg/Kg	1	1/27/2018 4:57:53 AM	36205	
Surr: 4-Bromofluorobenzene	114	80-120	%Rec	1	1/27/2018 4:57:53 AM	36205	

Matrix: SOIL

- * 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 Quanitative 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 Page 5 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysi	s Laborat	tory, Inc.		Analytical Report Lab Order 1801B19 Date Reported: 2/7/2()18
CLIENT: Souder, Miller & Associates			Client Samp	le ID: L3-1'	
Project: Nash Unit 5			Collection	Date: 1/22/2018 11:20:00 AN	1
Lab ID: 1801B19-006	Matrix:	SOIL	Received	Date: 1/24/2018 9:45:00 AM	
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	rst: MRA
Chloride	1200	30	mg/Kg	20 1/30/2018 4:41:08 PM	A 36261

Qualifiers:	1
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- * 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 Quanitative 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 Page 6 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysi	s Laborat	tory, Inc.		Analytical Report Lab Order 1801B19 Date Reported: 2/7/20	018		
CLIENT: Souder, Miller & Associates			Client Samp	le ID: L4-1'			
Project: Nash Unit 5			Collection	ion Date: 1/22/2018 11:22:00 AM			
Lab ID: 1801B19-007	Matrix:	SOIL	Received	d Date: 1/24/2018 9:45:00 AM			
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS				Analy	st: MRA		
Chloride	1200	75	mg/Kg	50 1/30/2018 4:53:33 PM	1 36261		

Qualifiers:	1
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- * 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 Quanitative 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 Page 7 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1801B19

Date Reported: 2/7/2018

CLIENT: Souder, Miller & Associates	Client Sample ID: L5-0.5'									
Project: Nash Unit 5		Collection Date: 1/22/2018 11:10:00 AM								
Lab ID: 1801B19-008	Matrix: S	SOIL		Received Date: 1/24/2018 9:45:00 AM						
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analyst	MRA			
Chloride	34	30		mg/Kg	20	1/30/2018 5:05:58 PM	36261			
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	;				Analyst	: TOM			
Diesel Range Organics (DRO)	35000	990		mg/Kg	100	1/29/2018 12:35:57 PM	36208			
Motor Oil Range Organics (MRO)	14000	4900		mg/Kg	100	1/29/2018 12:35:57 PN	36208			
Surr: DNOP	0	70-130	S	%Rec	100	1/29/2018 12:35:57 PM	36208			
EPA METHOD 8015D: GASOLINE RAM	NGE					Analyst	: NSB			
Gasoline Range Organics (GRO)	2900	240		mg/Kg	50	1/26/2018 10:30:14 AN	36205			
Surr: BFB	298	15-316		%Rec	50	1/26/2018 10:30:14 AN	36205			
EPA METHOD 8021B: VOLATILES						Analyst	: NSB			
Methyl tert-butyl ether (MTBE)	ND	4.8		mg/Kg	50	1/26/2018 10:30:14 AN	36205			
Benzene	ND	1.2		mg/Kg	50	1/26/2018 10:30:14 AN	36205			
Toluene	20	2.4		mg/Kg	50	1/26/2018 10:30:14 AN	36205			
Ethylbenzene	26	2.4		mg/Kg	50	1/26/2018 10:30:14 AN	36205			
Xylenes, Total	98	4.8		mg/Kg	50	1/26/2018 10:30:14 AN	36205			
Surr: 4-Bromofluorobenzene	116	80-120		%Rec	50	1/26/2018 10:30:14 AN	36205			

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 8 of 15 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Project:

CLIENT: Souder, Miller & Associates

Nash Unit 5

Analytical Report

Lab Order 1801B19

Date Reported: 2/7/2018

Client Sample ID: L5-1' Collection Date: 1/22/2018 11:12:00 AM Received Date: 1/2//2018 9:45:00 AM

Lab ID: 1801B19-009	Matrix: SOIL			Received Date: 1/24/2018 9:45:00 AM				
Analyses	Result PQL Qual		Units DF		Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	MRA	
Chloride	67	30		mg/Kg	20	1/30/2018 5:18:23 PM	36261	
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS	6				Analyst	TOM	
Diesel Range Organics (DRO)	11000	200		mg/Kg	20	2/6/2018 3:12:56 PM	36289	
Motor Oil Range Organics (MRO)	4000	980		mg/Kg	20	2/6/2018 3:12:56 PM	36289	
Surr: DNOP	0	70-130	S	%Rec	20	2/6/2018 3:12:56 PM	36289	
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	RAA	
Gasoline Range Organics (GRO)	1300	98	D	mg/Kg	20	2/1/2018 9:27:40 PM	36284	
Surr: BFB	422	15-316	SD	%Rec	20	2/1/2018 9:27:40 PM	36284	
EPA METHOD 8021B: VOLATILES						Analyst	RAA	
Benzene	ND	0.49	D	mg/Kg	20	2/1/2018 9:27:40 PM	36284	
Toluene	7.3	0.98	D	mg/Kg	20	2/1/2018 9:27:40 PM	36284	
Ethylbenzene	12	0.98	D	mg/Kg	20	2/1/2018 9:27:40 PM	36284	
Xylenes, Total	45	2.0	D	mg/Kg	20	2/1/2018 9:27:40 PM	36284	
Surr: 4-Bromofluorobenzene	123	80-120	SD	%Rec	20	2/1/2018 9:27:40 PM	36284	

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 9 of 15 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Hall Environmental Analysi	s Laborat	tory, Inc.		Analytical Report Lab Order 1801B19 Date Reported: 2/7/20)18	
CLIENT: Souder, Miller & Associates			Client Samp	le ID: BG 1-1'		
Project: Nash Unit 5			Collection	on Date: 1/22/2018 11:07:00 AM		
Lab ID: 1801B19-010	Matrix: SOIL Received			d Date: 1/24/2018 9:45:00 AM		
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS				Analy	st: MRA	
Chloride	190	30	mg/Kg	20 1/30/2018 5:30:47 PM	/ 36261	

Qualifiers:	:
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- * 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 Quanitative 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 Page 10 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Client: Project:		ler, Miller & As 1 Unit 5	ssociate	es							
Sample ID	MB-36261 SampType: mblk TestCode: EPA Method 300.0: Anions										
Client ID:	PBS	Batch	ID: 36	261	F	RunNo: 4	8793				
Prep Date:	1/30/2018	Analysis Da	ate: 1/	30/2018	S	SeqNo: 1	570157	Units: mg/k	ģ		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID	LCS-36261	SampTy	ype: Ics	6	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 36	261	F	RunNo: 4	8793				
Prep Date:	1/30/2018	Analysis Da	ate: 1/	30/2018	SeqNo: 1570158 Units: mg/Kg						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	92.1	90	110			

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 Quanitative 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

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Released to Imaging: 3/21/2023 8:10:22 AM

	Miller & Associates	
Project: Nash Ur	III 5	
Sample ID LCS-36208	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 36208	RunNo: 48716
Prep Date: 1/25/2018	Analysis Date: 1/26/2018	SeqNo: 1567286 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	43 10 50.00	0 85.4 70 130
Surr: DNOP	4.1 5.000	81.8 70 130
Sample ID MB-36208	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 36208	RunNo: 48716
Prep Date: 1/25/2018	Analysis Date: 1/26/2018	SeqNo: 1567287 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	8.8 10.00	88.4 70 130
Sample ID LCS-36289	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 36289	RunNo: 48828
Prep Date: 1/31/2018	Analysis Date: 2/1/2018	SeqNo: 1571276 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	45 10 50.00	0 89.1 70 130
Surr: DNOP	4.6 5.000	92.7 70 130
Sample ID MB-36289	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 36289	RunNo: 48828
Prep Date: 1/31/2018	Analysis Date: 2/1/2018	SeqNo: 1571277 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	8.7 10.00	87.1 70 130
Sample ID LCS-36366	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 36366	RunNo: 48919
Prep Date: 2/6/2018	Analysis Date: 2/6/2018	SeqNo: 1574281 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.4 5.000	87.9 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 Quanitative 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

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Client:	Sou	der, Miller & A	ssociat	es							
Project:	Nasl	h Unit 5									
Sample ID	MB-36366	SampT	ype: M	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	PBS	Batch	n ID: 36	366	R	RunNo: 4	8919				
Prep Date:	2/6/2018	Analysis D	ate: 2	/6/2018	S	SeqNo: 1	574282	Units: %Red	•		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		9.6		10.00		96.4	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 Quanitative 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

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Client: Project:	Souder, 1 Nash Un	Miller & A iit 5	ssociate	es							
Sample ID	MB-36205	SampT	ype: ME	BLK	Test	Code: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID:	PBS	Batch	n ID: 36	205	R	unNo: 48	8738				
Prep Date:	1/25/2018	Analysis D	ate: 1/	26/2018	S	eqNo: 1	567794	Units: mg/k	ģ		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Surr: BFB	e Organics (GRO)	ND 830	5.0	1000		83.1	15	316			
Sample ID	LCS-36205	SampT	ype: LC	s	Test	Code: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID:	LCSS	Batch	n ID: 36	205	R	unNo: 48	8738				
Prep Date:	1/25/2018	Analysis D	ate: 1/	26/2018	S	eqNo: 1	567795	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
•	e Organics (GRO)	26	5.0	25.00	0	104	75.9	131			
Surr: BFB						400	4 -				
JUII. DFD		1000		1000		102	15	316			
Sample ID	LCS-36284		ype: LC		Test			316 8015D: Gaso	line Rang	e	
		SampT	ype: LC	S			PA Method		line Rang	e	
Sample ID	LCSS	SampT	n ID: 36	:S 284	R	Code: EF	PA Method 8855		0	e	
Sample ID Client ID:	LCSS	SampT Batch	n ID: 36	:S 284 1/2018	R	Code: EF	PA Method 8855	8015D: Gasc	0	e RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte	LCSS	SampT Batch Analysis D Result 25	n ID: 36 2 Pate: 2/	:S 284 1/2018	R	Code: EF unNo: 48 eqNo: 1	PA Method 8855 572275 LowLimit 75.9	8015D: Gaso Units: mg/K HighLimit 131	(g		Qual
Sample ID Client ID: Prep Date: Analyte	LCSS 1/31/2018	SampT Batch Analysis D Result	n ID: 36 Pate: 2/ PQL	:S 284 1/2018 SPK value	R S SPK Ref Val	Code: EF unNo: 48 eqNo: 19 %REC	PA Method 8855 572275 LowLimit	8015D: Gasc Units: mg/K HighLimit	(g		Qual
Sample ID Client ID: Prep Date: Analyte Gasoline Range	LCSS 1/31/2018 e Organics (GRO)	SampT Batch Analysis D Result 25 1100	n ID: 36 Pate: 2/ PQL	284 1/2018 SPK value 25.00 1000	R S SPK Ref Val 0	Code: EF unNo: 44 eqNo: 19 %REC 98.4 107	PA Method 8855 572275 LowLimit 75.9 15	8015D: Gaso Units: mg/K HighLimit 131	g %RPD	RPDLimit	Qual
Sample ID I Client ID: I Prep Date: Analyte Gasoline Range Surr: BFB Sample ID I	LCSS 1/31/2018 e Organics (GRO)	SampT Batch Analysis D Result 25 1100 SampT	n ID: 36 vate: 2/ PQL 5.0	284 1/2018 SPK value 25.00 1000	R SPK Ref Val 0 Test	Code: EF unNo: 44 eqNo: 19 %REC 98.4 107	PA Method 8855 572275 LowLimit 75.9 15 PA Method	8015D: Gaso Units: mg/k HighLimit 131 316	g %RPD	RPDLimit	Qual
Sample ID I Client ID: I Prep Date: Analyte Gasoline Range Surr: BFB Sample ID I	LCSS 1/31/2018 • Organics (GRO) MB-36284 PBS	SampT Batch Analysis D Result 25 1100 SampT	PQL 5.0 7ype: ME 1D: 36	S 284 1/2018 SPK value 25.00 1000 BLK 284	R S <u>PK Ref Val</u> 0 Test	Code: EF unNo: 44 ieqNo: 14 %REC 98.4 107 Code: EF	PA Method 8855 572275 LowLimit 75.9 15 PA Method 8855	8015D: Gaso Units: mg/k HighLimit 131 316	g %RPD line Rang	RPDLimit	Qual
Sample ID I Client ID: Prep Date: Analyte Gasoline Range Surr: BFB Sample ID I Client ID:	LCSS 1/31/2018 • Organics (GRO) MB-36284 PBS	SampT Batch Analysis D Result 25 1100 SampT Batch	PQL 5.0 7ype: ME 1D: 36	284 1/2018 SPK value 25.00 1000 3LK 284 1/2018	R S <u>PK Ref Val</u> 0 Test	Code: EF unNo: 44 eqNo: 19 %REC 98.4 107 Code: EF	PA Method 8855 572275 LowLimit 75.9 15 PA Method 8855	8015D: Gasc Units: mg/k HighLimit 131 316 8015D: Gasc	g %RPD line Rang	RPDLimit	Qual

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 Quanitative 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

1801B19

07-Feb-18

WO#:

Page 14 of 15

Client: Souder Project: Nash U	r, Miller & A Jnit 5	ssociate	es							
Sample ID MB-36205	Samp	Туре: М	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 36	205	F	RunNo: 4	8738				
Prep Date: 1/25/2018	Analysis [Date: 1/	26/2018	S	SeqNo: 1	567836	Units: mg/l	Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Foluene	ND	0.050								
Ethylbenzene	ND	0.050								
Kylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.3	80	120			
Sample ID LCS-36205	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 36	205	F	RunNo: 4	8738				
Prep Date: 1/25/2018	Analysis [Date: 1/	26/2018	S	SeqNo: 1	567837	Units: mg/l	Kg		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vethyl tert-butyl ether (MTBE)	0.90	0.10	1.000	0	89.6	70.1	121			
Benzene	0.96	0.025	1.000	0	96.2	77.3	128			
Foluene	0.97	0.050	1.000	0	97.3	79.2	125			
Ethylbenzene	0.96	0.050	1.000	0	95.9	80.7	127			
(ylenes, Total	2.9	0.10	3.000	0	98.3	81.6	129			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	80	120			
Sample ID LCS-36284	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 36	284	F	RunNo: 4	8855				
Prep Date: 1/31/2018	Analysis [Date: 2/	1/2018	5	SeqNo: 1	572312	Units: mg/l	Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	105	77.3	128			
Foluene	1.0	0.050	1.000	0	105	79.2	125			
Ethylbenzene	1.0	0.050	1.000	0	104	80.7	127			
(ylenes, Total	3.2	0.10	3.000	0	107	81.6	129			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			
Sample ID MB-36284	Samp	Туре: М	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 36	284	F	RunNo: 4	8855				
Prep Date: 1/31/2018	Analysis [Date: 2/	1/2018	S	SeqNo: 1	572313	Units: mg/l	Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
oluene	ND	0.050								
thylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.7	80	120			

D Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- 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

WO#:	1801B19
	07-Feb-18

Page 15 of 15

ANAL	RONMENTAL YSIS Ratory	Alb. TEL: 505-345-3975 Website: www.ha	uquero FAX:		7109 4107	Sample Log-In Check List				
Client Name:	SMA-CARLSBAD	Work Order Number	180	1B19			RcptNo: 1			
Received By:	Isalah Ortiz	1/24/2018 9:45:00 AM			IC	nd NA	-			
Completed By:	Erin Melendrez	1/24/2018 2:37:06 PM			in	NA	-			
Reviewed By:	DDS	1/24/18			Ċ					
Chain of Cu	stody									
1. Is Chain of C	Custody complete?		Yes	\checkmark	No		Not Present			
2. How was the	sample delivered?		Cou	rier						
Log In 3. Was an atter	npt made to cool the sample	s?	Yes		No					
4. Were all sam	ples received at a temperatu	re of >0° C to 6.0°C	Yes	✓	No					
5. Sample(s) in	proper container(s)?		Yes		No					
6. Sufficient san	nple volume for indicated tes	l(s)?	Yes		No					
7. Are samples	(except VOA and ONG) prop	erly preserved?	Yes	~	No					
8. Was preserva	ative added to bottles?		Yes		No	\checkmark	NA 🗌			
9. VOA vials hav	ve zero headspace?		Yes		No		No VOA Vials 🗹			
O. Were any sar	mple containers received bro	ken?	Yes		No		# of preserved bottles checked			
	ork match bottle labels? ancles on chain of custody)		Yes	\checkmark	No		for pH: (<2 or >12 unless noted)			
2. Are matrices	correctly identified on Chain	of Custody?	Yes	✓	No		Adjusted?			
	t analyses were requested?		Yes	\checkmark	No					
	ng times able to be met? ustomer for authorization.}		Yes	~	No		Checked by:			
pecial Handl	ing (if applicable)									
5. Was client no	tified of all discrepancies wit	h this order?	Yes		No		NA 🗹			
Person	Notified:	Date:		******						
By Who	om:	Via:] eMa	ail 🗌 P	hone 🗌	Fax	In Person			
Regard Client I	ing:									
16. Additional re	marks:									
7. Cooler Infor	mation									
Cooler No		Seal Intact Seal No Se	eal Da	ate	Signed	By				

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Page 1 of 1

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March 08, 2018

Austin Weyant Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: (575) 689-7040 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Nash 5

OrderNo.: 1802E53

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 4 sample(s) on 2/28/2018 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 <u>www.hallenvironmental.com</u> 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 #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environ	mental Analysis	Laborat	ory, Inc.		Analytical Report Lab Order: 1802E53 Date Reported: 3/8/2018
	ouder, Miller & Associa Jash 5	tes			Lab Order: 1802E53
Lab ID:	1802E53-001			Collection Dat	te: 2/8/2018 10:19:00 AM
Client Sample ID:	L3-8'			Matri	x: SOIL
Analyses		Result	PQL Qual	Units	DF Date Analyzed Batch ID
EPA METHOD 300 Chloride	.0: ANIONS	1100	75	mg/Kg	Analyst: CJS 50 3/7/2018 2:15:33 PM 36821
Lab ID:	1802E53-002		(Collection Dat	te: 2/8/2018 10:29:00 AM
Client Sample ID:	L3-10'			Matri	x: SOIL
Analyses		Result	PQL Qual	Units	DF Date Analyzed Batch ID
EPA METHOD 300	.0: ANIONS				Analyst: MRA
Chloride		600	30	mg/Kg	20 3/4/2018 3:01:57 PM 36821
Lab ID:	1802E53-003		(Collection Dat	te: 2/8/2018 10:45:00 AM
Client Sample ID:	L3-12'			Matri	x: SOIL
Analyses		Result	PQL Qual	Units	DF Date Analyzed Batch ID
EPA METHOD 300	.0: ANIONS				Analyst: MRA
Chloride		1200	30	mg/Kg	20 3/4/2018 3:14:22 PM 36821
Lab ID:	1802E53-004		(Collection Dat	e: 2/8/2018 11:20:00 AM
Client Sample ID:	L2-10'			Matri	x: SOIL
Analyses		Result	PQL Qual	Units	DF Date Analyzed Batch ID
EPA METHOD 300 Chloride	.0: ANIONS	480	30	mg/Kg	Analyst: MRA 20 3/4/2018 3:26:47 PM 36821

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

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 Quanitative 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 Page 1 of 2
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Client:	Souder,	Miller & Associat	tes							
Project:	Nash 5									
Sample ID	MB-36821	SampType: r	blk	Tes	tCode: EP/	A Method	300.0: Anion	s		
Client ID:	PBS	Batch ID: 3	6821	F	RunNo: 49	544				
Prep Date:	3/4/2018	Analysis Date:	8/4/2018	5	SeqNo: 160	01148	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5	5							
Sample ID	LCS-36821	SampType: Ic	S	Tes	tCode: EP/	A Method	300.0: Anion	s		
Client ID:	LCSS	Batch ID: 3	6821	F	RunNo: 49	544				
Prep Date:	3/4/2018	Analysis Date:	8/4/2018	5	SeqNo: 160	01149	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	5 15.00	0	95.3	90	110			

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 Quanitative 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

1802E53

08-Mar-18

WO#:

Page 2 of 2

Received by	OCD:	3/21/2023	8:08:55 AM
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ANAL	RONMENTAL YSIS RATORY	TEL: 505-345-3	stal Analysis Lahor 4901 Hawkii Albuquerque, NM 8 975 FAX: 505-345- Adllenvironmenta	ns NE 37109 San 4107	nple Log-In Check List
Client Name:	SMA-CARLSBAD	Work Order Num	ber. 1802E53		RcptNo: 1
Received By:	Mandy Woods	2/28/2018 9:45:00	AM	These	-
Completed By:	Ashley Gallegos	2/28/2018 11:14:36	AM	AZ	
Reviewed By:	DDS	2/28/15		lakele	d by: MW 2/28/18
Chain of Cus	stody				
1, Is Chain of C	ustody complete?		Yes 🗹	No 🗌	Not Present
2. How was the	sample delivered?		Courier		
Log In 3. Was an attem	npt made to cool the samp	les?	Yes 🗹	No 🗆	
4. Were all sam	ples received at a tempera	ture of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌
5. Sample(s) in	proper container(s)?		Yes 🗹	No 🗌	
5. Sufficient sam	ple volume for indicated te	est(s)?	Yes 🗹	No 🗆	
7. Are samples (except VOA and ONG) pro	operly preserved?	Yes 🗹	No 🗌	
 Was preserva 	tive added to bottles?		Yes 🗌	No 🗹	NA 🗆
9. VOA vials hav	e zero headspace?		Yes 🗌	No 🗆	No VOA Vials 🗹
(), Were any san	nple containers received b	roken?	Yes 🗆	No 🗹	# of preserved bottles checked
	ork match bottle labels? ancies on chain of custody))	Yes 🗹	No 🗆	for pH: (<2 or >12 unless noted)
2. Are matrices o	correctly identified on Chair	n of Custody?	Yes 🗹	No 🗌	Adjusted?
3. Is it clear what	t analyses were requested	?	Yes 🗹	No 🗌	
	ng times able to be met? ustomer for authorization.)		Yes 🔽	No 🗆	Checked by:
pecial Handl	ing (if applicable)				
	tified of all discrepancies v	vith this order?	Yes 🗌	No 🗌	NA 🗹
Person	Notified:	Date	[
By Who	om:	Via:	, eMail 🗌 F	hone 🗌 Fax	In Person
Regardi	ing:				
Client In	nstructions:				and the second designed to be set of
6. Additional ren	marks:				
7. <u>Cooler Infon</u> Cooler No		Seal Intact Seal No Yes	Seal Date	Signed By	

Page 1 of 1

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	Standard	Project Name	Na	Project #:		Project Manager:	Auction	TUNT	C	On Ice:	Sample Temperature:	Container Type and #	A02.	-		¥				Received for Received by
minant farmer in the	Carrysbad		S. Halagueno	D				Level 4 (Full Validation)				Sample Request ID	(3-8'	13-10'	13-12'	12-70'				Time: Relinquishedray: Received for 3.30 Time: Relinquishedray: Received by Col 19.40 Received by Col Received by Col Received by Col
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,	Client:		Mailing		Phone #:	email or Fax#	QA/QC	Standard	Accreditation	D NELAP	C EDD	Date	8/18/2	-	_	*				2-2748 Date:



June 01, 2018

Austin Weyant Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: (575) 689-7040 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

RE: Nash 5

OrderNo.: 1805B61

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 21 sample(s) on 5/22/2018 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 <u>www.hallenvironmental.com</u> 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Nash 5

Project:

Lab ID:

Analyses

Chloride

Analytical Report Lab Order 1805B61

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/1/2018 **CLIENT:** Souder, Miller & Associates Client Sample ID: L5-6' Collection Date: 5/17/2018 8:01:00 AM 1805B61-001 Matrix: SOIL Received Date: 5/22/2018 10:05:00 AM Result PQL **Qual Units DF** Date Analyzed Batch **EPA METHOD 300.0: ANIONS** Analyst: MRA ND 30 mg/Kg 20 5/24/2018 1:18:23 PM 38305 EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: Irm **Diesel Range Organics (DRO)** 14 9.9 mg/Kg 5/23/2018 7:13:22 PM 38270 1 5/23/2018 7:13:22 PM Motor Oil Range Organics (MRO) ND 49 ma/Ka 1 38270 22 PM 38270

Motor On Mange Organies (Mixe)	ND		ing/itg		5/25/2010 1.15.221 10	00210
Surr: DNOP	94.1	70-130	%Rec	1	5/23/2018 7:13:22 PM	38270
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/23/2018 4:09:25 PM	38263
Surr: BFB	86.8	15-316	%Rec	1	5/23/2018 4:09:25 PM	38263
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	5/23/2018 4:09:25 PM	38263
Toluene	ND	0.049	mg/Kg	1	5/23/2018 4:09:25 PM	38263
Ethylbenzene	ND	0.049	mg/Kg	1	5/23/2018 4:09:25 PM	38263
Xylenes, Total	ND	0.099	mg/Kg	1	5/23/2018 4:09:25 PM	38263
Surr: 4-Bromofluorobenzene	99.5	80-120	%Rec	1	5/23/2018 4:09:25 PM	38263

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 23 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1805B61

Date Reported: 6/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: L5-8' **Project:** Nash 5 Collection Date: 5/17/2018 8:15:00 AM Lab ID: 1805B61-002 Matrix: SOIL Received Date: 5/22/2018 10:05:00 AM Result PQL **Qual Units DF** Date Analyzed Batch Analyses **EPA METHOD 300.0: ANIONS** Analyst: MRA Chloride ND 30 mg/Kg 20 5/24/2018 1:55:36 PM 38305 EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: Irm **Diesel Range Organics (DRO)** ND 10 mg/Kg 5/23/2018 8:20:09 PM 38270 1 Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 5/23/2018 8:20:09 PM 38270 Surr: DNOP 91.0 70-130 %Rec 1 5/23/2018 8:20:09 PM 38270 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB 5/23/2018 7:39:16 PM Gasoline Range Organics (GRO) ND 38263 4.9 mg/Kg 1 Surr: BFB 90.7 5/23/2018 7:39:16 PM 38263 15-316 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: NSB ND 5/23/2018 7:39:16 PM Benzene 0.025 mg/Kg 38263 1 mg/Kg Toluene ND 0.049 5/23/2018 7:39:16 PM 38263 1 Ethylbenzene ND 0.049 mg/Kg 5/23/2018 7:39:16 PM 38263 1 Xylenes, Total ND 0.099 mg/Kg 5/23/2018 7:39:16 PM 38263 1 Surr: 4-Bromofluorobenzene 103 80-120 %Rec 1 5/23/2018 7:39:16 PM 38263

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- Sample Difuted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative 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 Page 2 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1805B61

Date Reported: 6/1/2018

CLIENT: Souder, Miller & Associates	Client Sample ID: L5-10'					
Project: Nash 5	Collection Date: 5/17/2018 8:30:00 AM					
Lab ID: 1805B61-003	Matrix: SOIL Received Date: 5/22/2018 10:05:00 AM					
Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	39	30	mg/Kg	20	5/24/2018 2:08:00 PM	38305
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: Irm
Diesel Range Organics (DRO)	510	20	mg/Kg	2	5/23/2018 8:42:20 PM	38270
Motor Oil Range Organics (MRO)	300	99	mg/Kg	2	5/23/2018 8:42:20 PM	38270
Surr: DNOP	101	70-130	%Rec	2	5/23/2018 8:42:20 PM	38270
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/24/2018 2:13:34 PM	38263
Surr: BFB	126	15-316	%Rec	1	5/24/2018 2:13:34 PM	38263
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	5/24/2018 2:13:34 PM	38263
Toluene	ND	0.048	mg/Kg	1	5/24/2018 2:13:34 PM	38263
Ethylbenzene	ND	0.048	mg/Kg	1	5/24/2018 2:13:34 PM	38263
Xylenes, Total	ND	0.096	mg/Kg	1	5/24/2018 2:13:34 PM	38263
Surr: 4-Bromofluorobenzene	106	80-120	%Rec	1	5/24/2018 2:13:34 PM	38263

- * Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- Н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 3 of 23 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

CLIENT: Souder, Miller & Associates

Analytical Report Lab Order 1805B61

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/1/2018
Client Sample ID: L5-12'

Project: Nash 5	Collection Date: 5/17/2018 8:53:00 AM						
Lab ID: 1805B61-004	Matrix: SOIL	Received Date: 5/22/2018 10:05:00 AM					
Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	39	30	mg/Kg	20	5/24/2018 2:20:24 PM	38305	
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	: Irm	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	5/23/2018 9:04:37 PM	38270	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/23/2018 9:04:37 PM	38270	
Surr: DNOP	94.2	70-130	%Rec	1	5/23/2018 9:04:37 PM	38270	
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/23/2018 8:25:47 PM	38263	
Surr: BFB	91.3	15-316	%Rec	1	5/23/2018 8:25:47 PM	38263	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	5/23/2018 8:25:47 PM	38263	
Toluene	ND	0.049	mg/Kg	1	5/23/2018 8:25:47 PM	38263	
Ethylbenzene	ND	0.049	mg/Kg	1	5/23/2018 8:25:47 PM	38263	
Xylenes, Total	ND	0.098	mg/Kg	1	5/23/2018 8:25:47 PM	38263	
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	1	5/23/2018 8:25:47 PM	38263	

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- D Sample Diffeed Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative 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 Page 4 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Project:

CLIENT: Souder, Miller & Associates

Nash 5

Analytical Report Lab Order 1805B61

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/1/2018
Client Sample ID: SW1

Collection Date: 5/17/2018 8:23:00 AM Received Date: 5/22/2018 10:05:00 AM

Lab ID: 1805B61-005	Matrix: SOIL	Received Date: 5/22/2018 10:05:00 AM				
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	5/24/2018 2:32:49 PM	38305
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: Irm
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	5/23/2018 9:26:47 PM	38270
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/23/2018 9:26:47 PM	38270
Surr: DNOP	94.3	70-130	%Rec	1	5/23/2018 9:26:47 PM	38270
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/23/2018 8:49:22 PM	38263
Surr: BFB	89.1	15-316	%Rec	1	5/23/2018 8:49:22 PM	38263
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	5/23/2018 8:49:22 PM	38263
Toluene	ND	0.049	mg/Kg	1	5/23/2018 8:49:22 PM	38263
Ethylbenzene	ND	0.049	mg/Kg	1	5/23/2018 8:49:22 PM	38263
Xylenes, Total	ND	0.099	mg/Kg	1	5/23/2018 8:49:22 PM	38263
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	1	5/23/2018 8:49:22 PM	38263

- * 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 Quanitative 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 Page 5 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1805B61 Date Reported: 6/1/2018

CLIENT: Souder, Miller & Associates		Client	Sample II	D: SV	V2	
Project: Nash 5		Colle	ection Dat	e: 5/1	7/2018 9:08:00 AM	
Lab ID: 1805B61-006	Matrix: SOIL	Received Date: 5/22/2018 10:05:00 AM				
Analyses	Result	PQL Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	46	30	mg/Kg	20	5/24/2018 2:45:13 PM	38305
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: Irm
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	5/23/2018 9:49:02 PM	38270
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/23/2018 9:49:02 PM	38270
Surr: DNOP	95.8	70-130	%Rec	1	5/23/2018 9:49:02 PM	38270
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/23/2018 9:12:35 PM	38263
Surr: BFB	90.1	15-316	%Rec	1	5/23/2018 9:12:35 PM	38263
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	5/23/2018 9:12:35 PM	38263
Toluene	ND	0.048	mg/Kg	1	5/23/2018 9:12:35 PM	38263
Ethylbenzene	ND	0.048	mg/Kg	1	5/23/2018 9:12:35 PM	38263
Xylenes, Total	ND	0.095	mg/Kg	1	5/23/2018 9:12:35 PM	38263
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	1	5/23/2018 9:12:35 PM	38263

- * Value exceeds Maximum Contaminant Level. D
- Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 6 of 23 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Analytical Report Lab Order 1805B61

Date Reported: 6/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Project: Nash 5	Client Sample ID: SW3 Collection Date: 5/17/2018 8:20:00 AM						
Lab ID: 1805B61-007	Matrix: SOIL Received Date: 5/22/2018 10:05:00 AM						
Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	CJS	
Chloride	72	30	mg/Kg	20	5/25/2018 11:20:15 AM	38333	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: Irm	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	5/23/2018 10:11:16 PM	38270	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/23/2018 10:11:16 PM	38270	
Surr: DNOP	91.8	70-130	%Rec	1	5/23/2018 10:11:16 PM	38270	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/23/2018 9:35:50 PM	38263	
Surr: BFB	90.9	15-316	%Rec	1	5/23/2018 9:35:50 PM	38263	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	5/23/2018 9:35:50 PM	38263	
Toluene	ND	0.048	mg/Kg	1	5/23/2018 9:35:50 PM	38263	
Ethylbenzene	ND	0.048	mg/Kg	1	5/23/2018 9:35:50 PM	38263	
Xylenes, Total	ND	0.096	mg/Kg	1	5/23/2018 9:35:50 PM	38263	
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	5/23/2018 9:35:50 PM	38263	

- * Value exceeds Maximum Contaminant Level. D
- Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 7 of 23 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Analytical Report Lab Order 1805B61

Date Reported: 6/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID: SW4 Project:** Nash 5 Collection Date: 5/17/2018 8:57:00 AM Lab ID: 1805B61-008 Matrix: SOIL Received Date: 5/22/2018 10:05:00 AM Result PQL **Qual Units DF** Date Analyzed Batch Analyses Analyst: CJS **EPA METHOD 300.0: ANIONS** Chloride ND 30 mg/Kg 20 5/25/2018 11:57:30 AM 38333 EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: Irm **Diesel Range Organics (DRO)** ND 10 mg/Kg 5/23/2018 10:33:26 PM 38270 1 Motor Oil Range Organics (MRO) ND mg/Kg 50 1 5/23/2018 10:33:26 PM 38270 Surr: DNOP 81.8 70-130 %Rec 1 5/23/2018 10:33:26 PM 38270 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB 5/23/2018 9:59:07 PM Gasoline Range Organics (GRO) ND 38263 4.7 mg/Kg 1 Surr: BFB 91.1 5/23/2018 9:59:07 PM 38263 15-316 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: NSB 0.024 ND 5/23/2018 9:59:07 PM Benzene mg/Kg 38263 1 Toluene ND 0.047 mg/Kg 5/23/2018 9:59:07 PM 38263 1 Ethylbenzene ND 0.047 mg/Kg 5/23/2018 9:59:07 PM 38263 1 Xylenes, Total ND 0.095 mg/Kạ 5/23/2018 9:59:07 PM 38263 1 Surr: 4-Bromofluorobenzene 103 80-120 %Rec 1 5/23/2018 9:59:07 PM 38263

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 8 of 23 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1805B61

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/1/2018

CLIENT: Souder, Miller & Associates		Client	t Sample II	D: SV	V5	
Project: Nash 5		Coll	lection Date	e: 5/1	7/2018 10:05:00 AM	
Lab ID: 1805B61-009	Matrix: SOIL	Received Date: 5/22/2018 10:05:00 AM				
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CJS
Chloride	ND	30	mg/Kg	20	5/25/2018 12:09:55 PM	38333
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	Irm
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	5/23/2018 10:55:39 PM	38270
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/23/2018 10:55:39 PM	38270
Surr: DNOP	80.6	70-130	%Rec	1	5/23/2018 10:55:39 PM	38270
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/23/2018 10:22:41 PM	38263
Surr: BFB	89.0	15-316	%Rec	1	5/23/2018 10:22:41 PM	38263
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	5/23/2018 10:22:41 PM	38263
Toluene	ND	0.049	mg/Kg	1	5/23/2018 10:22:41 PM	38263
Ethylbenzene	ND	0.049	mg/Kg	1	5/23/2018 10:22:41 PM	38263
Xylenes, Total	ND	0.097	mg/Kg	1	5/23/2018 10:22:41 PM	38263
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	5/23/2018 10:22:41 PM	38263

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 9 of 23 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 1805B61

5/23/2018 10:46:11 PM 38263

Hall Environmental Analysis Laboratory, Inc.

Hall Environmental Analys	is Laboratory,	Inc.			Date Reported: 6/1/201	8	
CLIENT: Souder, Miller & Associates Project: Nash 5 Lab ID: 1805D(1.010)	Client Sample ID: BH1-1' Collection Date: 5/17/2018 10:00:00 AM Matrix: SOIL Received Date: 5/22/2018 10:05:00 AM						
Lab ID: 1805B61-010 Analyses	Matrix: SOIL Received Da Result PQL Qual				DF Date Analyzed Bat		
EPA METHOD 300.0: ANIONS					Analyst	: CJS	
Chloride	ND	30	mg/Kg	20	5/25/2018 12:22:20 PN	38333	
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	: Irm	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	5/23/2018 11:17:57 PN	38270	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/23/2018 11:17:57 PN	38270	
Surr: DNOP	84.7	70-130	%Rec	1	5/23/2018 11:17:57 PM	38270	
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/23/2018 10:46:11 PN	38263	
Surr: BFB	89.2	15-316	%Rec	1	5/23/2018 10:46:11 PM	38263	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.023	mg/Kg	1	5/23/2018 10:46:11 PN	38263	
Toluene	ND	0.047	mg/Kg	1	5/23/2018 10:46:11 PN	38263	
Ethylbenzene	ND	0.047	mg/Kg	1	5/23/2018 10:46:11 PM	38263	
Xylenes, Total	ND	0.094	mg/Kg	1	5/23/2018 10:46:11 PN	38263	

99.8

80-120

%Rec

1

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limit Page 10 of 23 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Project:

Lab ID:

CLIENT: Souder, Miller & Associates

1805B61-011

Nash 5

Analytical Report Lab Order 1805B61

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/1/2018 Client Sample ID: BH2-2' Collection Date: 5/17/2018 10:15:00 AM Received Date: 5/22/2018 10:05:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CJS
Chloride	ND	30	mg/Kg	20	5/25/2018 12:34:45 PM	38333
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst	: Irm
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/23/2018 11:40:00 PM	38270
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/23/2018 11:40:00 PM	38270
Surr: DNOP	87.0	70-130	%Rec	1	5/23/2018 11:40:00 PM	38270
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	5/23/2018 11:09:28 PM	38263
Surr: BFB	89.2	15-316	%Rec	1	5/23/2018 11:09:28 PM	38263
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	5/23/2018 11:09:28 PM	38263
Toluene	ND	0.050	mg/Kg	1	5/23/2018 11:09:28 PM	38263
Ethylbenzene	ND	0.050	mg/Kg	1	5/23/2018 11:09:28 PM	38263
Xylenes, Total	ND	0.099	mg/Kg	1	5/23/2018 11:09:28 PM	38263
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	1	5/23/2018 11:09:28 PM	38263

Matrix: SOIL

Qualifiers:	
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- * Value exceeds Maximum Contaminant Level. D
- Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limit Page 11 of 23 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Hall Environmental Analysis	s Laboratory, 1	Inc.		Analytical Report Lab Order 1805B61 Date Reported: 6/1/2	
CLIENT: Souder, Miller & Associates Project: Nash 5 Lab ID: 1805B61-012	Matrix: SOIL	Colle		D: SW6 ce: 5/17/2018 9:42:00 AM ce: 5/22/2018 10:05:00 AN	
Analyses	Result	PQL Qua	d Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	ND	30	mg/Kg	Analy 20 5/25/2018 12:47:09 F	/st: CJS PM 38333

Qualifiers:	:
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- * 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 Quanitative 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 Page 12 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis	s Laboratory, 1	Inc.		Analytical Report Lab Order 1805B61 Date Reported: 6/1/2	
CLIENT: Souder, Miller & Associates Project: Nash 5 Lab ID: 1805B61-013	Matrix: SOIL	Colle		D: SW7 ce: 5/17/2018 9:47:00 AM ce: 5/22/2018 10:05:00 AN	
Analyses	Result	PQL Qua	l Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	ND	30	mg/Kg	Analy 20 5/25/2018 12:59:34 F	/st: CJS PM 38333

Qualifiers:	:
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- * 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 Quanitative 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 Page 13 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

					Analytical Report Lab Order 1805B61	
Hall Environmental Analysis	s Laboratory,	Inc.			Date Reported: 6/1/20	18
CLIENT: Souder, Miller & Associates		Client	Sample I	D: SW	78	
Project: Nash 5	Collection Date: 5/17/2018 11:01:00 AM					
Lab ID: 1805B61-014	Matrix: SOIL	Rec	eived Dat	e: 5/2	2/2018 10:05:00 AM	1
Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: CJS
Chloride	ND	30	mg/Kg	20	5/25/2018 1:36:47 PM	1 38333

Qualifiers:	;
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- * 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 Quanitative 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 Page 14 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

		-			Analytical Report Lab Order 1805B61	
Hall Environmental Analysis	S Laboratory,	Inc.			Date Reported: 6/1/20)18
CLIENT: Souder, Miller & Associates		Client	Sample I	D: SW	79	
Project: Nash 5	Collection Date: 5/17/2018 11:05:00 AM					
Lab ID: 1805B61-015	Matrix: SOIL	Rec	eived Dat	e: 5/2	2/2018 10:05:00 AN	1
Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: CJS
Chloride	ND	30	mg/Kg	20	5/25/2018 1:49:12 PM	1 38333

Qualifiers:	;
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- * 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 Quanitative 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 Page 15 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis	s Laboratory.	Inc.			Analytical Report Lab Order 1805B61 Date Reported: 6/1/20	18
CLIENT: Souder, Miller & Associates		Client	Sample I		/10	
Project: Nash 5 Lab ID: 1805B61-016	Collection Date: 5/17/2018 12:40:00 PM Matrix: SOIL Received Date: 5/22/2018 10:05:00 AM					
Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: CJS
Chloride	96	30	mg/Kg	20	5/25/2018 2:01:37 PM	1 38333

Qualifiers:	;
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- * 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 Quanitative 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 Page 16 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis	s Laboratory, 1	Inc.		Analytical Report Lab Order 1805B61 Date Reported: 6/1/2	
CLIENT: Souder, Miller & Associates Project: Nash 5 Lab ID: 1805B61-017	Matrix: SOIL	Colle		D: SW11 ce: 5/17/2018 12:51:00 PM ce: 5/22/2018 10:05:00 AN	-
Analyses	Result	PQL Qua	l Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	ND	30	mg/Kg	Analy 20 5/25/2018 2:14:01 P	/st: CJS M 38333

Qualifiers:	:
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- * 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 Quanitative 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 Page 17 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis	s Laboratory,	Inc.		Analytical Report Lab Order 1805B61 Date Reported: 6/1/20	18
CLIENT: Souder, Miller & Associates			Sample I		
Project: Nash 5 Lab ID: 1805B61-018	Collection Date: 5/17/2018Matrix: SOILReceived Date: 5/22/2018				[
Analyses	Result	PQL Qua	l Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	1100	75	mg/Kg	Analys 50 5/29/2018 1:50:26 PM	st: MRA 38333

Qualifiers:	;
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- * 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 Quanitative 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 Page 18 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis	s Laboratory,	Inc.		Analytical Report Lab Order 1805B61 Date Reported: 6/1/20	018
CLIENT: Souder, Miller & Associates Project: Nash 5 Lab ID: 1805B61-019	Matrix: SOIL	Colle		D: SW13 ce: 5/17/2018 12:20:00 PM ce: 5/22/2018 10:05:00 AM	-
Analyses	Result			DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	260	30	mg/Kg	Analy 20 5/25/2018 2:38:50 PM	st: CJS 1 38333

Qualifiers:	:
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- * 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 Quanitative 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 Page 19 of 23
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Client: Project:	Souder, 1 Nash 5	Miller & Associates											
Sample ID	MB-38305	SampType: MB	LK	Tes	tCode: EF	PA Method	300.0: Anion	s					
Client ID:	PBS	Batch ID: 383	05	F	1497	7							
Prep Date:	5/24/2018	Analysis Date: 5/2	4/2018	5	SeqNo: 10	679654	Units: mg/K	g					
Analyte Chloride		Result PQL ND 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Sample ID	le ID LCS-38305 SampType: LCS TestCode: EPA Method 300.0: Anions												
Client ID:	LCSS	Batch ID: 383	05	RunNo: 51497									
Prep Date:	5/24/2018	Analysis Date: 5/2	4/2018	S	SeqNo: 10	679655	Units: mg/K	g					
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Chloride		14 1.5	15.00	0	96.3	90	110						
Sample ID	1805B61-006AMS	D SampType: MSI	5	Tes	tCode: EF	PA Method	300.0: Anion	s					
Client ID:	SW2	Batch ID: 383	05	F	RunNo: 5 [,]	1497							
Prep Date:	5/24/2018	Analysis Date: 5/2	4/2018	S	SeqNo: 10	679684	Units: mg/K	g					
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Chloride		54 30	15.00	46.10	49.7	60.8	141	4.75	20	S			
Sample ID	MB-38333	SampType: mbl	k	Tes	tCode: EF	PA Method	300.0: Anion	s					
Client ID:	PBS	Batch ID: 383	33	F	RunNo: 5'	1542							
Prep Date:	5/25/2018	Analysis Date: 5/2	5/2018	S	SeqNo: 10	679970	Units: mg/K	g					
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Chloride		ND 1.5							-				
Sample ID	LCS-38333	SampType: Ics		Tes	tCode: EF	PA Method	300.0: Anion	s					
Client ID:	LCSS	Batch ID: 383	3333 RunNo: 51542										
Prep Date:	5/25/2018	Analysis Date: 5/2		S	SeqNo: 10	679971	Units: mg/K	g					
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Chloride		14 1.5	15.00	0	94.5	90	110						

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

Released to Imaging: 3/21/2023 8:10:22 AM

- PQL Practical Quanitative 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

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Client: Project:	Souder, N Nash 5	Miller & As	ssociate	es							
Sample ID	MB-38270	SampTy	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batch	ID: 38	270	F	anNo: 5	1459				
Prep Date:	ate: 5/22/2018 Analysis Date: 5/23/2018 SeqNo: 1677785 L							Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	ND	10								
Motor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		9.8		10.00		98.1	70	130			
Sample ID	LCS-38270	SampTy	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 38	270	F	aunNo: 5	1459				
Prep Date:	5/22/2018	Analysis Da	ate: 5/	23/2018	S	SeqNo: 1	677786	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	50	10	50.00	0	101	70	130			
Surr: DNOP		4.6		5.000		92.2	70	130			
Sample ID	1805B61-001AMS	SampT	ype: MS	6	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	L5-6'	Batch	ID: 38	270	F	RunNo: 5	1459				
Prep Date:	5/22/2018	Analysis Da	ate: 5/	23/2018	S	SeqNo: 1	677788	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	57	10	50.30	13.96	84.6	62	120			
Surr: DNOP		4.1		5.030		80.7	70	130			
Sample ID	1805B61-001AMS	D SampTy	ype: MS	SD	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	nt ID: L5-6' Batch ID: 38270 RunNo: 51459										
Prep Date:	5/22/2018	Analysis Da	ate: 5/	23/2018	S	SeqNo: 1	677789	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	56	10	49.85	13.96	84.9	62	120	0.418	20	
Surr: DNOP		3.9		4.985		78.0	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative 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

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Client: Project:	Souder, I Nash 5	Miller & Ass	sociate	es							
Sample ID	MB-38263	SampTy	pe: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID:	PBS	Batch I	D: 38	263	F	RunNo: 5	1480				
Prep Date:	5/22/2018	Analysis Da	te: 5/	23/2018	S	SeqNo: 1	676698	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Ranç Surr: BFB	ge Organics (GRO)	ND 910	5.0	1000		91.4	15	316			
Sample ID	LCS-38263	SampTy	pe: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID:	LCSS	Batch I	D: 38	263	F	RunNo: 5	1480				
Prep Date:	5/22/2018	Analysis Da	te: 5/	23/2018	S	SeqNo: 1	676699	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	ge Organics (GRO)	28	5.0	25.00	0	114	75.9	131			
Surr: BFB		1000		1000		105	15	316			
Sample ID	1805B61-001AMS	s SampTy	pe: MS	6	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID:	L5-6'	Batch I	D: 38	263	F	RunNo: 5	1480				
Prep Date:	5/22/2018	Analysis Da	te: 5/	23/2018	S	SeqNo: 1	676701	Units: mg/k	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	29	4.8	24.20	0	122	77.8	128			
Surr: BFB		1000		968.1		106	15	316			
Sample ID	1805B61-001AMS	D SampTy	pe: M S	SD	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	L5-6'	Batch I	D: 38	263	F	RunNo: 5	1480				
Prep Date:	5/22/2018	Analysis Da	te: 5/	23/2018	S	SeqNo: 1	676702	Units: mg/k	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	29	4.9	24.34	0	119	77.8	128	1.61	20	
Surr: BFB		1100		973.7		108	15	316	0	0	

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- W Sample container temperature is out of limit as specified

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roject: Nash 5 ample ID MB-38263 SampType: MBLK TestCode: EPA Method 8021B: Volatiles lient ID: PBS Batch ID: 38263 RunNo: 51480 rep Date: 5/22/2018 Analysis Date: 5/23/2018 SeqNo: 1676739 Units: mg/Kg nalyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual nzene ND 0.025 VID										
Batch ID: 38263 RunNo: 51480 rep Date: 5/22/2018 Analysis Date: 5/23/2018 SeqNo: 1676739 Units: mg/Kg nalyte Result PQL SPK value SPK Ref Val % REC LowLimit HighLimit % RPD RPDLimit Qual nalyte ND 0.025 Units: mg/Kg Units: Mg/Kg Units: Mg/Kg Units: Mg/Kg Units: Mg/Kg uene ND 0.025 Units: Mg/Kg Units: Mg/Kg Units: Mg/Kg uene ND 0.050 Units: Mg/Kg Units: Mg/Kg Units: Mg/Kg uene ND 0.050 Units: Mg/Kg Units: Mg/Kg Units: Mg/Kg Starr: 4-Bromofluorobenzene ND 0.10 1.000 102 80 120										
Batch ID: 38263 RunNo: 51480 rep Date: 5/22/2018 Analysis Date: 5/23/2018 SeqNo: 1676739 Units: mg/Kg nalyte Result PQL SPK value SPK Ref Val % REC LowLimit HighLimit % RPD RPDLimit Qual nalyte ND 0.025 Units: mg/Kg Units: Mg/Kg Units: Mg/Kg Units: Mg/Kg Units: Mg/Kg uene ND 0.025 Units: Mg/Kg Units: Mg/Kg Units: Mg/Kg uene ND 0.050 Units: Mg/Kg Units: Mg/Kg Units: Mg/Kg uene ND 0.050 Units: Mg/Kg Units: Mg/Kg Units: Mg/Kg Starr: 4-Bromofluorobenzene ND 0.10 1.000 102 80 120										
rep Date: 5/22/2018 SeqNo: 1676739 Units: mg/Kg nalyte Result PQL SPK value SPK ref Val % REC LowLimit HighLimit % RPD RPDLimit Qual nzene ND 0.025										
nalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualnzeneND0.025										
ND 0.025 uene ND 0.050 ylbenzene ND 0.050 enes, Total ND 0.10 Surr: 4-Bromofluorobenzene 1.0 1.000 102 80 120 ample ID LCS-38263 SampType: LCS TestCode: EPA Method 8021B: Volatiles										
ND 0.050 ylbenzene ND 0.050 enes, Total ND 0.10 Surr: 4-Bromofluorobenzene 1.0 1.000 102 80 120 ample ID LCS-38263 SampType: LCS TestCode: EPA Method 8021B: Volatiles										
ND 0.050 enes, Total ND 0.10 Surr: 4-Bromofluorobenzene 1.0 1.000 102 80 120										
ND 0.10 Surr: 4-Bromofluorobenzene 1.0 1.000 102 80 120 ample ID LCS-38263 SampType: LCS TestCode: EPA Method 8021B: Volatiles										
Surr: 4-Bromofluorobenzene 1.0 1.000 102 80 120 ample ID LCS-38263 SampType: LCS TestCode: EPA Method 8021B: Volatiles										
Client ID: LCSS Batch ID: 38263 RunNo: 51480										
rep Date: 5/22/2018 Analysis Date: 5/23/2018 SeqNo: 1676740 Units: mg/Kg										
nalyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual										
naryte Result FQL SFK value SFK Kel Val %REC LowLinnt HighLinnt %RFD RFDLinnt Quan nzene 0.95 0.025 1.000 0 94.8 77.3 128										
uene 0.97 0.050 1.000 0 97.0 79.2 125										
vibenzene 0.95 0.050 1.000 0 95.2 80.7 127										
enes, Total 2.9 0.10 3.000 0 97.7 81.6 129										
Surr: 4-Bromofluorobenzene 1.0 1.000 103 80 120										
ample ID 1805B61-002AMS SampType: MS TestCode: EPA Method 8021B: Volatiles										
lient ID: L5-8' Batch ID: 38263 RunNo: 51480										
rep Date: 5/22/2018 Analysis Date: 5/23/2018 SeqNo: 1676743 Units: mg/Kg										
nalyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual										
nzene 0.90 0.023 0.9124 0 98.5 68.5 133										
uene 0.93 0.046 0.9124 0 102 75 130										
ylbenzene 0.92 0.046 0.9124 0 101 79.4 128										
enes, Total 2.8 0.091 2.737 0 103 77.3 131										
Surr: 4-Bromofluorobenzene 0.95 0.9124 104 80 120										
ample ID 1805B61-002AMSD SampType: MSD TestCode: EPA Method 8021B: Volatiles										
lient ID: L5-8' Batch ID: 38263 RunNo: 51480										
rep Date: 5/22/2018 Analysis Date: 5/23/2018 SeqNo: 1676744 Units: mg/Kg										
nalyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual										
nzene 0.90 0.024 0.9515 0 95.0 68.5 133 0.627 20										
uene 0.93 0.048 0.9515 0 97.9 75 130 0.0469 20										
ylbenzene 0.93 0.048 0.9515 0 97.7 79.4 128 0.701 20										
ylbenzene 0.93 0.048 0.9515 0 97.7 79.4 128 0.701 20 enes, Total 2.8 0.095 2.854 0 99.2 77.3 131 0.0665 20 Surr: 4-Bromofluorobenzene 0.97 0.9515 102 80 120 0 0										

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- W Sample container temperature is out of limit as specified

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	A TEL: 505-345-39	tal Analysis Labo 4901 Hawki (Ibuquerque, NM 075 FAX: 505-345 hallenvironmenta	ns NE 87109 Sam -4107	nple Log-In C	Pa
Client Name: SMA-CARLSBAD	Work Order Numb	er: 1805B61		RcptNo:	1
Received By: Erin Melendrez	5/22/2018 10:05:00	AM	Mult Minue G	7	
Completed By: Michelle Garcia	5/22/2018 10:42:43	AM	Minul C		
Reviewed By: INO LB: ENM Chain of Custody	ธ ออ เช		, ,		
1. Is Chain of Custody complete?		Yes 🔽	No	Not Present	
2. How was the sample delivered?		Courier			
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 🗌		
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) proper	ly 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 broke	en?	Yes	No 🗹 –	# of preserved	1192
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🔽	No 🗌	bottles checked for pH:	2 unless noted)
2, Are matrices correctly identified on Chain of	Custody?	Yes 🗹	No 🗌	Adjusted?	
3. Is it clear what analyses were requested?		Yes 🗹	No 🗌		
4. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by:	
Special Handling (if applicable)					
15. Was client notified of all discrepancies with	this order?	Yes 🗌	No 🗌	NA 🔽	
Person Notified:	Date:				
By Whom:	Via:	🗌 eMail 📋 F	hone 🗌 Fax	in Person	
Regarding					
Client Instructions:				······································	
16. Additional remarks:					
Cooler Information Cooler No Temp °C Condition S 1 4.8 Good Ye	eal Intact Seal No	Seal Date	Signed By		

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	YSIS LABORAT	ente	Albuquerque, NM 87109	Fax 505-345-4107	Request	-				3/\$	səbi:	A) anoina 1893 Pestic 2003 (VO) 2003 2003 (Semi			>			2			7	7	<u> </u>	Verified analysis w
	ANALYS	www.hallenv	4901 Hawkins NE - Alb	10	Anal				(L	.81 .40	4 bo 2 bo	Methol FDB (Methol 768) 2'HA9 768) 2'HA9 768) 2 Methol 768) 2												Verifie
	JE		49011	Tel. 5		(Kju	IO SE	e)	Hd.	1+	38.	TM + X3T8 TM + X3T8 82108 H9T	-	7	>	1	7	1	1	1	1	1.1		Remarks:
	Eday	>						tant	>	O No	S	HEAL No.		2002	503	- HOO	1000	od,	Las	203	009	OID	01)	Date Time
Time:	K Rush 50	-	Ch # D			ger:	(· · ·	in Ne	res	S	4	Preservative Type												Court S/S
Turn-Around Time:	□ Standard	Project Name:	N/a	Project #:		Project Manager:	5	HUSHH	Sampler: A	On Ice:	Sample Temperature:	Container Type and #	402.	1									A	Reconsidery
Chain-of-Custody Record	SMA-Carlsbad		S Halagueno	>				Level 4 (Full Validation)				Sample Request ID	25-61	15-81	,01-57	L5-12'	SWI	Sw2	Sw3	JW +	0205	841-11	BH 2-2'	1 by Marris
-of-Cu	J-HC		s: 201							D Other		Matrix	Soi/			142		_				_	~	Relinquished by: M. Camila Relinguished by
Chain			Mailing Address:		#:	email or Fax#:	QA/QC Package:	ndard	litation	AP	D EDD (Type).	Time	10:8	8:15	8:30	8:53	8.23	9:09	8:20	8-51	10:05	10:00	10:15	Time: 1 1930
	ased to	o Im		g: 3	/21/2			Standard		D NELAP		Date	11/18		-				_				->	Pate: Jale: Talle

uging:

		_	37109	5 Fax 505-345-4107	Analysis Request	(Þ(s:80	ово 25 Ро 25 РО 2	220 808 0722 (L.1) (L.1)	+ 504 504 503; 504)		TM + X3T TM + X3T TM + X3T TM + X3T TM + X3T TEX TO TO TO TO TO TO TO TO TO TO TO TO TO										Remarks:	186 93	necessary. samples who mitted 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.
Turn-Around Time:	□ Standard V Rush 5 dud		N/1.0, #5	Project #:		Project Manager:	Aricha II Jaile L	1 1 N I N C Y AM	CMN :	ŀ	Sample Temperature: 9.5	Container Preservative HEAL No. Type Type One 20.	4n Clo	510	hio	SIO	ŎĬĿ		Ŭ(g	P10		Received by: Date Time Time And My Children Date Time	NHE WENERS/22/18 1005	ntracted to other accredited laboratories. This serves as notice of this protected to the serves as notice of the protected to the serves as notice of the serves as notices as notices in the serves as notices as not
Chain-of-Custody Record	pase Client: UNA - Carlsbad		Mailing Address:	ag: 3	Phone #:	email or Fax#:	QA/QC Package:		Accreditation		EDD (Type)	Date Time Matrix Sample Request ID	11/18 1:42 Soil (W 6	9.47 1 JW	11:01 SW	11:05 Sw7	12:40 SW10	12:51 Sw1/	1:10 SUUZ	A 12:20 A SW13		Date Time: Relinquished by: 2018 OGW NNN Date: Relinquished by	24/18/140 Art	If necessary, samples ubmitted to Hall Environmental may be subco

aging.

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Received by OCD: 3/21/2023 8:08:55 AM

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

COMMENTS

Operator: BOPCO, L.P.	OGRID: 260737
6401 Holiday Hill Rd Midland, TX 79707	Action Number: 199118
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)
COMMENTS	

COMMENTS

Created By	Comment	Comment Date
amaxwell	Historical document upload	3/21/2023

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amaxwell	None	3/21/2023

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Action 199118