Form C-141
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State of New Mexico
Oil Conservation Division

Incident ID	nRM2027951383
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

[X] A scaled site and sampling diagram as described in 19.15.29.11 NMAC

[X] Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

[X] Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

[X] Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Amy Barnhill Title: Lead Environmental Specialist

Signature: Amy Barnhill Date: 8-29-22

email: ABarnhill@chevron.com Telephone: 432-687-7723

OCD Only

Received by: Jocelyn Harimon Date: 08/29/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Robert Hamlet Date: 3/7/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

State of New Mexico
Oil Conservation Division

Incident ID	nRM2027951383
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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	31 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Page 4 Oil Conservation Division

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Printed Name: Amy Barnhill Title: Lead Environmental Specialist

Signature: Date: 8-29-22

email: ABarnhill@chevron.com Telephone:432-687-7723

OCD Only

Received by: Jocelyn Harimon Date: 08/29/2022

State of New Mexico
Oil Conservation Division

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Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- [x] Detailed description of proposed remediation technique
- [x] Scaled sitemap with GPS coordinates showing delineation points
- [x] Estimated volume of material to be remediated
- [x] Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- [x] Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- [ ] Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- [ ] Extents of contamination must be fully delineated.
- [ ] Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: Amy Barnhill Title: Lead Environmental Specialist

Signature: Amy Barnhill Date: 8-29-22

email: ABarnhill@chevron.com Telephone: 432-687-7723

OCD Only

Received by: Jocelyn Harimon Date: 08/29/2022

- [ ] Approved
- [ ] Approved with Attached Conditions of Approval
- [ ] Denied
- [ ] Deferral Approved

Signature: Date:

State of New Mexico
Oil Conservation Division

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[X] Description of remediation activities

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Printed Name: Amy Barnhill Title: Lead Environmental Specialist

Signature: Amy Barnhill Date: 8-29-22

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OCD Only

Received by: Jocelyn Harimon Date: 08/29/2022

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Tracking Number: nRM2027951383
Closure Report
Candie #001
Produced Water & Crude Oil Release
Eddy County, New Mexico

Latitude: N 32.3000107°
Longitude: W -104.0475159°

LAI Project No. 20-0107-22

August 23, 2022

Prepared by:
Larson & Associates, Inc.
507 North Marienfeld Street, Suite 202
Midland, Texas 79701

Mark J. Larson, P.G.
Certified Professional Geologist #10490

Robert Nelson
Sr. Geoscientist

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Appendices

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this closure report on behalf of Chevron USA Inc. (Chevron) for submittal to the New Mexico Oil Conservation Division (NMOCD) District 2 for a crude oil and produced water release at Candie #001 (Site). The Site is located in Unit M (SW/4, SW/4), Section 13, Township 23 South, Range 28 East in Eddy County, New Mexico. The geodetic position is North 32.3000107° and West -104.0475159°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on September 11, 2020, due to broken threads on a flow line. Chevron reported that approximately 5.58 barrels (bbls) of crude oil and 11.82 bbls of produced water were released. Approximately 0.25 bbl of crude oil was recovered. No produced water was recovered. The affected area measures approximately 4,622 square feet. Chevron submitted the initial C-141 to NMOCD District 2 and was assigned incident number nRM2027951383. Appendix A presents initial Chevron spill documentation.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 2,965 feet above mean sea level (msl).
- The surface topography gradually slopes to the northeast.
- Pecos River is located within about 150 feet west and southwest of the Site.
- Karst data provided by the USGS describes the Site as “Medium Risk” potential.
- The soils are designated as “Harkey very fine sandy loam” consisting of about 87 inches of very fine sandy loam.
- The surface geology consists of the Holocene to upper Pleistocene age unconsolidated alluvium consisting mostly of fine-grained quartz sand (USGS).
- Groundwater was reported at approximately 31 feet below ground surface (bgs) in 2016.
- According to the New Mexico Office of the State Engineer (OSE) the nearest freshwater well is located approximately 0.46 miles or 2,443 feet southeast of the Site in Section 24, Township 23 South, Range 28, East.

  Appendix B presents data depicting karst risk potential.

1.3 Remediation Action Levels

The following remediation standards are based on closure criteria for soils impacted by a release as presented in Table 1 of 19.15.29 NMAC:

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 100 mg/Kg
- Chloride 600 mg/Kg

Further, 19.15.29.13 NMAC (Restoration, Reclamation and Re-Vegetation) requires the operator to restore the impacted surface area that existed prior to the release or their final land use.

2.0 DELINEATION

The release was fully delineation between October 29 and December 10, 2020. The delineation was reported to the NMOCD in the document titled "Tracking Number: nAPP2034962750, Delineation Report and Remediation Plan, Candie #001, Produced Water & Crude Oil Release, Eddy County, New Mexico, December 29, 2021" and recommended the following remediation:

- Excavate soil from an area measuring approximately 5,081 square feet encompassing sample points S-1 through S-5 to a depth of approximately 1.5 feet below ground surface (bgs).
- Excavate soil from an area measuring approximately 854 square feet encompassing sample points S-6 and S-7 to a depth of approximately 5.5 feet bgs.
- Collect five (5) point composite bottom and sidewall confirmation soil samples every 200 square feet of the excavation and analyze for BTEX, TPH and chloride.
- Backfill the excavations with clean caliche on the pad assuming achievement of OCD remediation levels; and
- Prepare closure report with photographs for submittal to OCD District II.

NMOCD approved the remediation plan on March 18, 2021. Table 1 presents the delineation soil sample analytical data summary. Appendix C presents the NMOCD communications.

3.0 REMEDIATION

On July 6, 2022, SDR Enterprises (SDR) under supervision from LAI excavated soil encompassing sample locations S-1 through S-5 to a depth of approximately 1.5 feet bgs and S-6 and S-7 to a depth of approximately 5.5 feet bgs. Excavated soil was stockpiled on a liner on the adjacent production pad. Approximately 450 cubic yards of soil were hauled to the R360 Halfway facility, between Carlsbad and Hobbs, New Mexico.

On July 7, 2022, LAI personnel collected thirty-two (32) confirmation soil samples from the bottom and sidewalls of the excavation. The soil samples were delivered under chain of custody and preservation to the Eurofins-Xenco Laboratories (Xenco) in Midland, Texas. The laboratory analyzed the samples for BTEX, TPH, and chloride by EPA SW-846 Methods 8021B, 8015M, and 300.0E, respectively. Benzene and BTEX reported below the NMOCD remediation standards in all confirmation composite soil samples. TPH and/or chloride were reported above the NMOCD remediation standards of 100 mg/Kg and 600 mg/Kg, respectively, in the following samples:

Sample ID	Location	Depth (Feet)	TPH (mg/Kg)	Chloride (mg/Kg)
C-13	Bottom	1.5	358	1,310
C-23	Bottom	5.5	--	770
C-27	Sidewall	0 – 1.5	--	1,050

On August 4, 2022, SDR excavated an additional one (1) foot from the bottom or sidewalls encompassing sample location C-13 and C-27. An additional three (3) feet was excavated from the bottom encompassing sample location C-23. Laboratory analysis reported benzene, BTEX, TPH, and chloride below the NMOCD remediation standards listed in Table 1 of the 19.15.29 NMAC, in all confirmation soil samples. Figure 3 presents the soil excavation areas and confirmation sample locations. Table 2 presents the confirmation and backfill sample analytical data summary. Appendix D presents the laboratory reports.

On August 17, 2022, SDR backfilled the excavation with clean caliche. LAI personnel collected three (3) composite samples (BF-1 through BF-3) of clean caliche from the burrow pit. Xenco analyzed the samples for BTEX, TPH, and chloride. Benzene, BTEX, and TPH were below the analytical method reporting limits (RLs) and chloride was less than 600 mg/Kg. Appendix E presents the photographic documentation.

4.0 CLOSURE REQUEST

Chevron USA requests no further action for this release.

Tables

Table 1
Soil Sample Analytical Data Summary
Candie #001
Eddy County, New Mexico
32° 17' 59.99" North, 104° 02' 52.02" West

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				**10**	**50**				**100**	**600**
S-1	0.5	10/29/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	**1,080**
	1	10/29/2020	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	**923**
	1	12/9/2020	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	355
	3	12/9/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	450
	5	12/9/2020	In-Situ	--	--	--	--	--	--	587
	10	12/9/2020	In-Situ	--	--	--	--	--	--	**1,020**
	15	12/9/2020	In-Situ	--	--	--	--	--	--	583
S-2	0.5	10/29/2020	In-Situ	<0.00199	<0.00199	<50.0	59.7	<50.0	59.7	**2,840**
	1	10/29/2020	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	**941**
	1	12/10/2020	In-Situ	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	**884**
	3	12/10/2020	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	568
	5	12/10/2020	In-Situ	--	--	--	--	--	--	75.0
	10	12/10/2020	In-Situ	--	--	--	--	--	--	515
S-3	0.5	10/29/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	**907**
	1	10/29/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	**632**
	1	12/10/2020	In-Situ	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	471
	3	12/10/2020	In-Situ	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	491
	5	12/10/2020	In-Situ	--	--	--	--	--	--	**863**
	10	12/10/2020	In-Situ	--	--	--	--	--	--	**2,610**
	15	12/10/2020	In-Situ	--	--	--	--	--	--	388
S-4	0.5	10/29/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	**706**
	1	10/29/2020	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	**680**

Table 1
Soil Sample Analytical Data Summary
Candie #001
Eddy County, New Mexico
32° 17' 59.99" North, 104° 02' 52.02" West

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				**10**	**50**				**100**	**600**
	1	12/10/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	493
	3	12/10/2020	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	342
	5	12/10/2020	In-Situ	--	--	--	--	--	--	359
	10	12/10/2020	In-Situ	--	--	--	--	--	--	**1,030**
	15	12/10/2020	In-Situ	--	--	--	--	--	--	223
S-5	0.5	10/29/2020	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	**678**
	1	10/29/2020	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	**598**
	1	12/9/2020	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	374
	3	12/9/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	158
	5	12/9/2020	In-Situ	--	--	--	--	--	--	81.0
	10	12/9/2020	In-Situ	--	--	--	--	--	--	**688**
	15	12/9/2020	In-Situ	--	--	--	--	--	--	355
S-6	0.5	10/29/2020	In-Situ	<0.00201	<0.00201	<49.9	920.0	376	**1,300**	**4,450**
	1	10/29/2020	In-Situ	0.320	0.498	<49.9	930.0	386	**1,320**	**4,450**
	1	12/9/2020	In-Situ	<0.00198	<0.00198	<49.8	573.0	195	**768**	**20,200**
	3	12/9/2020	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	**1,580**
	5	12/9/2020	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	**978**
	10	12/9/2020	In-Situ	--	--	<50.1	<50.1	<50.1	<50.1	**674**
	15	12/9/2020	In-Situ	--	--	--	--	--	--	417
S-7	0.5	10/29/2020	In-Situ	<0.00200	<0.00200	<50.0	313.0	142	**455**	**3,860**
	1	10/29/2020	In-Situ	<0.00200	0.0497	<49.8	192.0	87.7	**282**	**3,500**
	1	12/9/2020	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	**3,470**

Table 1
Soil Sample Analytical Data Summary
Candie #001
Eddy County, New Mexico
32° 17' 59.99" North, 104° 02' 52.02" West

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				**10**	**50**				**100**	**600**
	3	12/9/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	**1,870**
	5	12/9/2020	In-Situ	--	--	<50.3	<50.3	<50.3	<50.3	**1,190**
	10	12/9/2020	In-Situ	--	--	<50.1	<50.1	<50.1	<50.1	155
S-8	0.5	10/29/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	6.1
	1	10/29/2020	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	6.0
S-9	0.5	10/29/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	10.4
	1	10/29/2020	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	9.9
S-10	0.5	10/29/2020	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	77.3
	1	10/29/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	86.6
S-11	0.5	10/29/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	10.5
	1	10/29/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	13.3

Notes: Analysis performed by Xenco Laboratories (Xenco) in Carlsbad, New Mexico and Midland, Texas by EPA SW-846 8021B (BTEX), 8015M (TPH), and 300E (Chloride)
Depth in feet below ground surface (bgs)
mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)
<: denotes concentration less than analytical method reporting limit
Bold and Highlighted exceeds OCD remediation action limits

Table 2
Confirmation Soil Sample Analytical Data Summary
Chevron USA, Candie #001
Eddy County, New Mexico
North 32.300011 West -104.047516

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
RAL:					**10**	**50**				**100**	**600**
C-1	Bottom	1.5	7/7/2022	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	387
C-2	Bottom	1.5	7/7/2022	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	318
C-3	Bottom	1.5	7/7/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	415
C-4	Bottom	1.5	7/7/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	386
C-5	Bottom	1.5	7/7/2022	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	317
C-6	Bottom	1.5	7/7/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	342
C-7	Bottom	1.5	7/7/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	342
C-8	Bottom	1.5	7/7/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	235
C-9	Bottom	1.5	7/7/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	334
C-10	Bottom	1.5	7/7/2022	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	334
C-11	Bottom	1.5	7/7/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	428
C-12	Bottom	1.5	7/7/2022	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	323
C-13	Bottom	1.5	7/7/2022	Excavated	<0.00198	<0.00397	<50.0	358	<50.0	**358**	**1,310**
		2.5	8/4/2022	In-Situ	<0.00198	0.00471	<50.0	<50.0	<50.0	<50.0	377
C-14	Bottom	1.5	7/7/2022	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	414
C-15	Bottom	1.5	7/7/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	386
C-16	Bottom	1.5	7/7/2022	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	333
C-17	Bottom	1.5	7/7/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	372
C-18	Bottom	1.5	7/7/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	416
C-19	Bottom	1.5	7/7/2022	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	546
C-20	Bottom	1.5	7/7/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	358
C-21	Bottom	1.5	7/7/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	452
C-22	Bottom	5.5	7/7/2022	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	516
C-23	Bottom	5.5	7/7/2022	Excavated	<0.00199	<0.00398	<50.0	67.7	<50.0	67.7	**770**
		8.5	8/4/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	40.6
C-24	Bottom	5.5	7/7/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	288
C-25	Sidewall	0 - 1.5	7/7/2022	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	422
C-26	Sidewall	0 - 1.5	7/7/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	413
C-27	Sidewall	0 - 1.5	7/7/2022	Excavated	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	**1,050**
		0 - 1.5	8/4/2022	In-Situ	<0.00202	0.00463	<50.0	<50.0	<50.0	<50.0	307

Table 2
Confirmation Soil Sample Analytical Data Summary
Chevron USA, Candie #001
Eddy County, New Mexico
North 32.300011 West -104.047516

C-28	Sidewall	0 - 1.5	7/7/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	395
C-29	Sidewall	0 - 5.5	7/7/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	376
C-30	Sidewall	0 - 5.5	7/7/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	496
C-31	Sidewall	0 - 5.5	7/7/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	382
C-32	Sidewall	0 - 5.5	7/7/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	348
C-33	Bottom	5.5	8/4/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	240
C-34	Bottom	5.5	8/4/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	163
C-35	Bottom	5.5	8/4/2022	In-Situ	0.00230	0.0174	<50.0	<50.0	<50.0	<50.0	67.6
C-36	Sidewall	0 - 5.5	8/4/2022	In-Situ	<0.00202	0.00945	<50.0	<50.0	<50.0	<50.0	<25.0
C-37	Sidewall	0 - 5.5	8/4/2022	In-Situ	<0.00200	0.0112	<50.0	<50.0	<50.0	<50.0	373
BF-1	--	--	8/8/2022	In-Situ	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	25.3
BF-2	--	--	8/8/2022	In-Situ	<0.00101	<0.00202	<25.3	<25.3	<25.3	<25.3	7.20
BF-3	--	--	8/8/2022	In-Situ	<0.00101	<0.00202	<25.3	<25.3	<25.3	<25.3	1.29

Notes: analysis performed by Xenco Laboratories (Xenco), Midland, Texas and Carlsbad, New Mexico by EPA SW-846 Methods 8021B (BTEX) and 8015M (TPH), and Method 300 (chloride)

Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

Bold and Highlighted Denotes Conetrations Above OCD Closure Criteria

Figures

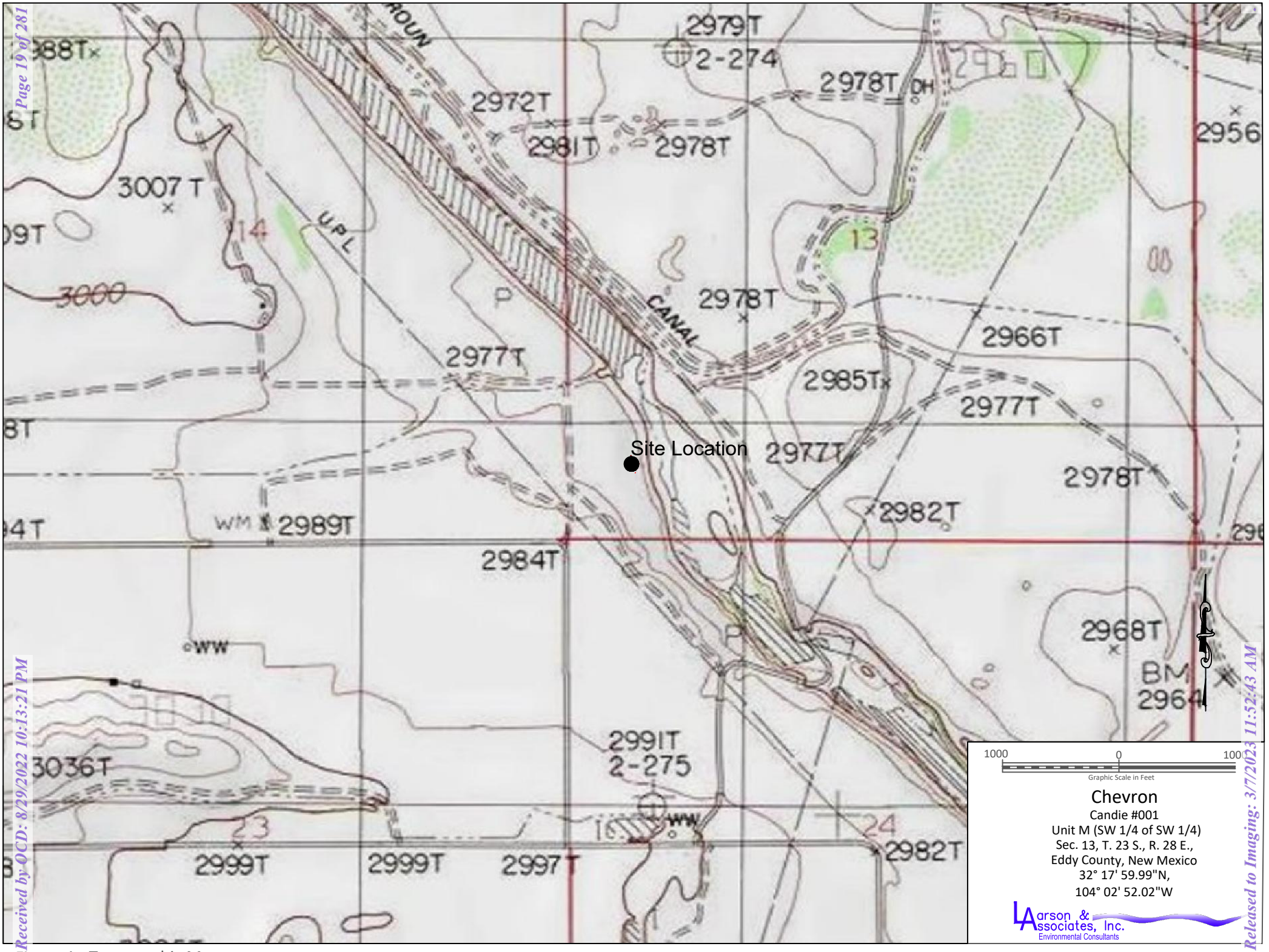

Figure 1 - Topographic Map

Figure 2 - Aerial Map

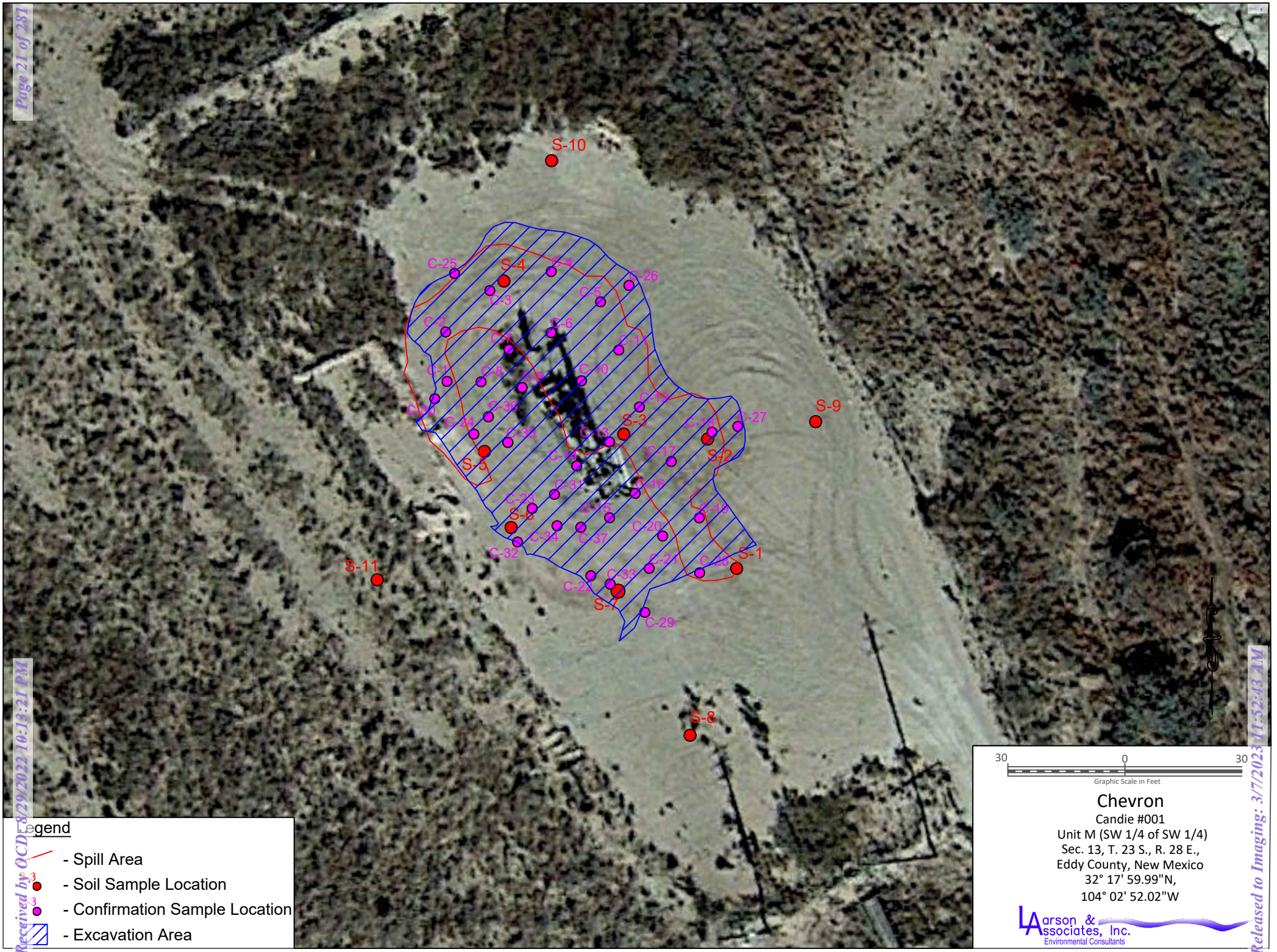

Figure 3 - Aerial Map Showing Excavation Locations and Confirmation Sample Locations

Appendix A

Chevron Spill Calculation

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Chevron USA Inc.	OGRID: 4323
Contact Name: Josepha DeLeon	Contact Telephone: 575-263-0424
Contact email: jdxd@chevron.com	Incident # *(assigned by OCD)*
Contact mailing address: 1616 E. Bender Blvd.	

Location of Release Source

Latitude: 32.3000107 Longitude: -104.0475159

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Candie #001	Site Type: Oil
Date Release Discovered: 09.11.2020	API# *(if applicable): 30-015-26709*

Unit Letter	Section	Township	Range	County
M	13	23S	28E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☒ Crude Oil	Volume Released (bbls): 5.58	Volume Recovered (bbls): 0.25
☒ Produced Water	Volume Released (bbls): 11.82	Volume Recovered (bbls): 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf):	Volume Recovered (Mcf):
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: Broken threads on flow line resulted in spill to land.		

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Signature: JdeLeon Date: September 30, 2020

Printed Name: Josepha DeLeon Title: Environmental Compliance Specialist

email: jdxd@chevron.com Telephone: 575-263-0424

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

All volumes in following table in barrels

Area	Standing Liquid	In Soil	dimensions / shape	Oil Volume	Water Volume
1		0.75	250x2 /12 rectangle	3.88	8.6
2	0.25		20x2.5 rectangle	0.25	
3		0.5833	20x15 rectangle	1.45	3.22
4					
5					
6					
7					
8					
			Total Fluid	5.58	11.82

Fluid Recovered in barrels	Oil Volume	Water Volume
	0.25	0

Appendix B

Karst Risk Potential

*New Mexico Kart or No Karst - QGIS

Project Edit View Layer Settings Plugins Vector Raster Database Web Mesh Processing Help

Browser

- Favorites
- Spatial Bookmarks
- Project Home
- Home
- C:\
- D:\
- L:\
- Z:\
- GeoPackage
- SpatiaLite
- PostGIS
- MSSQL
- Oracle
- DB2
- WMS/WMTS
- XYZ Tiles
- WCS
- WFS / OGC API - Features
- OWS
- ArcGisMapServer
- ArcGisFeatureServer
- GeoNode

Layers

- Added geom info
- carlsbad_west
- Karst_or_No_Karst
  - High
  - Low
  - Medium
- Bing Satellite

Type to locate (Ctrl+K)

Coordinate 590143,3574279 Scale 1:5578 Magnifier 100% Rotation 0.0 ° Render EPSG:26913

Appendix C

NMOCD Communications

From: Robert Nelson
To: Hamlet, Robert, EMNRD; Nobui, Jennifer, EMNRD
Cc: Barnhill, Amy D.; Mark Larson
Subject: Candie #001 (nRM2027951383) Excavation Backfill Notice
Date: Friday, August 12, 2022 4:40:00 PM
Attachments: image001.png
Table 2 Confirmation Soil Sample Analytical Data Summary, July 19, 2022.pdf
Figure 3 - Aerial Map Showing Excavation Locations and Confirmation Samples.pdf

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Hello Mr. Hamlet and Ms. Nobui,

Larson & Associates, Inc. (LAI), on behalf of Chevron USA, submits the attached confirmation (post remediation) laboratory analytical data and sample location map to the New Mexico Oil Conservation Division (OCD) District II to provide two (2) business days notification prior to backfilling the excavation at the Candie #001 (nRM2027951383) in Eddy County, New Mexico. Please feel free to contact Amy Barnhill with Chevron at (432) 687-7108 or ABarnhill@chevron.com, Mark Larson (432) 556-8656 or mark@laenvironmental.com, or me with any questions or concerns.

Thank you,

Robert Nelson
Sr. Geologist
Office – 432-687-0901
Cell – 432-664-4804
rnelson@laenvironmental.com

Appendix D

Laboratory Reports

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Certificate of Analysis Summary 676434

Larson and Associates, Inc., Midland, TX

Project Name: Candle #001

Project Id: 20-0107-22
Contact: Mark Larson
Project Location: NM

Date Received in Lab: Fri 10.30.2020 08:43
Report Date: 11.09.2020 17:02
Project Manager: Holly Taylor

Analysis Requested		676434-001		676434-002		676434-003		676434-004		676434-005		676434-006	
	Field Id:	S-1 0.5'		S-1 1'		S-2 0.5'		S-2 1'		S-3 0.5'		S-3 1'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.29.2020 11:03		10.29.2020 11:05		10.29.2020 11:10		10.29.2020 11:15		10.29.2020 11:30		10.29.2020 11:35	
BTEX by EPA 8021B	*Extracted:*	11.02.2020 16:45		11.02.2020 16:45		11.02.2020 16:45		11.02.2020 16:45		11.03.2020 16:00		11.04.2020 17:00	
	Analyzed:	11.02.2020 21:42		11.02.2020 22:03		11.02.2020 22:23		11.02.2020 22:44		11.03.2020 16:34		11.05.2020 06:30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00397	0.00397	<0.00397	0.00397	<0.00398	0.00398	<0.00396	0.00396	<0.00399	0.00399	<0.00399	0.00399
o-Xylene		<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	*Extracted:*	11.02.2020 08:35		11.02.2020 08:35		11.02.2020 08:35		11.02.2020 08:35		11.02.2020 08:35		11.02.2020 08:35	
	Analyzed:	11.02.2020 16:07		11.02.2020 16:12		11.02.2020 16:17		11.02.2020 16:23		11.02.2020 16:38		11.02.2020 16:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1080	5.03	923	5.04	2840	25.1	941	4.97	907	4.98	632	4.96
TPH By SW8015 Mod	*Extracted:*	10.30.2020 13:00		10.30.2020 13:00		10.30.2020 13:00		10.30.2020 13:00		10.30.2020 13:00		10.30.2020 13:00	
	Analyzed:	10.30.2020 13:56		10.30.2020 15:00		10.30.2020 15:21		10.30.2020 15:43		10.30.2020 16:04		10.30.2020 16:26	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons		<50.0	50.0	<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Diesel Range Organics		<50.0	50.0	<49.8	49.8	59.7	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Oil Range Hydrocarbons		<50.0	50.0	<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Total TPH		<50.0	50.0	<49.8	49.8	59.7	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor

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Certificate of Analysis Summary 676434

Larson and Associates, Inc., Midland, TX

Project Name: Candle #001

Project Id: 20-0107-22
Contact: Mark Larson
Project Location: NM

Date Received in Lab: Fri 10.30.2020 08:43
Report Date: 11.09.2020 17:02
Project Manager: Holly Taylor

Analysis Requested		676434-007		676434-008		676434-009		676434-010		676434-011		676434-012	
	Field Id:	S-4 0.5'		S-4 1'		S-5 0.5'		S-5 1'		S-6 0.5'		S-6 1'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.29.2020 11:00		10.29.2020 11:05		10.29.2020 11:10		10.29.2020 11:13		10.29.2020 11:15		10.29.2020 11:20	
BTEX by EPA 8021B	*Extracted:*	11.04.2020 17:00		11.04.2020 17:00		11.04.2020 17:00		11.04.2020 17:00		11.04.2020 17:00		11.04.2020 17:00	
	Analyzed:	11.05.2020 06:56		11.05.2020 07:21		11.05.2020 07:47		11.05.2020 08:13		11.05.2020 09:03		11.05.2020 09:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	0.320	0.00200
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	0.0465	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	0.0282	0.00200
m,p-Xylenes		<0.00401	0.00401	<0.00402	0.00402	<0.00398	0.00398	<0.00398	0.00398	<0.00402	0.00402	0.0385	0.00399
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	0.0643	0.00200
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	0.103	0.00200
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	0.498	0.00200
Chloride by EPA 300	*Extracted:*	11.02.2020 08:35		11.02.2020 08:35		11.02.2020 08:35		11.02.2020 08:35		11.02.2020 08:35		11.02.2020 08:35	
	Analyzed:	11.02.2020 17:00		11.02.2020 17:05		11.02.2020 17:10		11.02.2020 17:15		11.02.2020 17:21		11.02.2020 17:26	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		706	4.95	680	4.97	678	4.97	598	4.96	4450	50.1	4450	50.5
TPH By SW8015 Mod	*Extracted:*	10.30.2020 13:00		10.30.2020 13:00		10.30.2020 13:00		10.30.2020 13:00		10.30.2020 13:00		10.30.2020 13:00	
	Analyzed:	10.30.2020 16:47		10.30.2020 17:09		10.30.2020 17:30		10.30.2020 17:52		10.30.2020 18:35		10.30.2020 18:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons		<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Diesel Range Organics		<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	920	49.9	930	49.9
Oil Range Hydrocarbons		<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	376	49.9	386	49.9
Total TPH		<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	1300	49.9	1320	49.9

BRL - Below Reporting Limit

Holly Taylor

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 676434

Larson and Associates, Inc., Midland, TX

Project Name: Candle #001

Project Id: 20-0107-22
Contact: Mark Larson
Project Location: NM

Date Received in Lab: Fri 10.30.2020 08:43
Report Date: 11.09.2020 17:02
Project Manager: Holly Taylor

Analysis Requested		676434-013		676434-014		676434-015		676434-016		676434-017		676434-018	
	Field Id:	S-7 0.5'		S-7 1'		S-8 0.5'		S-8 1'		S-9 0.5'		S-9 1'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.29.2020 11:36		10.29.2020 11:32		10.29.2020 11:40		10.29.2020 11:40		10.29.2020 11:20		10.29.2020 11:22	
BTEX by EPA 8021B	*Extracted:*	11.06.2020 17:00		11.04.2020 17:00		11.04.2020 17:00		11.06.2020 17:00		11.06.2020 17:00		11.06.2020 17:00	
	Analyzed:	11.07.2020 22:00		11.05.2020 10:19		11.05.2020 10:45		11.07.2020 22:20		11.07.2020 22:41		11.07.2020 23:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	0.0362	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00399	0.00399	0.0135	0.00401	<0.00401	0.00401	<0.00402	0.00402	<0.00401	0.00401	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		<0.00200	0.00200	0.0135	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	0.0497	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	*Extracted:*	11.02.2020 08:35		11.02.2020 11:40		11.02.2020 11:40		11.02.2020 11:40		11.02.2020 11:40		11.02.2020 11:40	
	Analyzed:	11.02.2020 17:31		11.02.2020 12:30		11.02.2020 12:50		11.02.2020 12:56		11.02.2020 13:03		11.02.2020 13:10	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		3860	25.2	3500 X	25.1	6.09	5.03	5.95	4.95	10.4	4.99	9.88	4.97
TPH By SW8015 Mod	*Extracted:*	10.30.2020 13:00		10.30.2020 13:00		10.30.2020 13:00		10.30.2020 13:00		10.30.2020 13:00		10.30.2020 13:00	
	Analyzed:	10.30.2020 19:17		10.30.2020 19:39		10.30.2020 20:00		10.30.2020 20:21		10.30.2020 20:42		10.30.2020 21:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons		<50.0	50.0	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Diesel Range Organics		313	50.0	192	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Oil Range Hydrocarbons		142	50.0	89.7	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Total TPH		455	50.0	282	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0

BRL - Below Reporting Limit

Holly Taylor

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 676434

Larson and Associates, Inc., Midland, TX

Project Name: Candle #001

Project Id: 20-0107-22
Contact: Mark Larson
Project Location: NM

Date Received in Lab: Fri 10.30.2020 08:43
Report Date: 11.09.2020 17:02
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	676434-019		676434-020		676434-021		676434-022					
	Field Id:	S-10 0.5'		S-10 1'		S-11 0.5'		S-11 1'					
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	10.29.2020 11:38		10.29.2020 11:41		10.29.2020 11:31		10.29.2020 11:33					
BTEX by EPA 8021B	***Extracted:***	11.06.2020 17:00		11.06.2020 17:00		11.06.2020 17:00		11.06.2020 17:00					
	Analyzed:	11.07.2020 23:21		11.07.2020 23:42		11.08.2020 00:02		11.08.2020 00:23					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200				
Toluene		<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200				
Ethylbenzene		<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200				
m,p-Xylenes		<0.00403	0.00403	<0.00397	0.00397	<0.00400	0.00400	<0.00400	0.00400				
o-Xylene		<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200				
Total Xylenes		<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200				
Total BTEX		<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200				
Chloride by EPA 300	***Extracted:***	11.02.2020 11:40		11.02.2020 11:40		11.02.2020 11:40		11.02.2020 11:40					
	Analyzed:	11.02.2020 13:30		11.02.2020 13:36		11.02.2020 13:43		11.02.2020 13:50					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		77.3	4.96	86.6	4.99	10.5	5.04	13.3	5.04				
TPH By SW8015 Mod	***Extracted:***	10.30.2020 13:00		10.30.2020 13:00		10.30.2020 12:00		10.30.2020 12:00					
	Analyzed:	10.30.2020 21:25		10.30.2020 21:46		10.30.2020 14:11		10.30.2020 15:09					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9				
Diesel Range Organics		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9				
Oil Range Hydrocarbons		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9				
Total TPH		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9				

BRL - Below Reporting Limit

Holly Taylor

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 676434

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Candle #001

20-0107-22

11.09.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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11.09.2020

Project Manager: **Mark Larson**
Larson and Associates, Inc.
P. O. Box 50685
Midland, TX 79710

Reference: Eurofins Xenco, LLC Report No(s): **676434**
Candle #001
Project Address: NM

Mark Larson :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 676434. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 676434 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor

Holly Taylor
Project Manager

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Sample Cross Reference 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-1 0.5'	S	10.29.2020 11:03		676434-001
S-1 1'	S	10.29.2020 11:05		676434-002
S-2 0.5'	S	10.29.2020 11:10		676434-003
S-2 1'	S	10.29.2020 11:15		676434-004
S-3 0.5'	S	10.29.2020 11:30		676434-005
S-3 1'	S	10.29.2020 11:35		676434-006
S-4 0.5'	S	10.29.2020 11:00		676434-007
S-4 1'	S	10.29.2020 11:05		676434-008
S-5 0.5'	S	10.29.2020 11:10		676434-009
S-5 1'	S	10.29.2020 11:13		676434-010
S-6 0.5'	S	10.29.2020 11:15		676434-011
S-6 1'	S	10.29.2020 11:20		676434-012
S-7 0.5'	S	10.29.2020 11:36		676434-013
S-7 1'	S	10.29.2020 11:32		676434-014
S-8 0.5'	S	10.29.2020 11:40		676434-015
S-8 1'	S	10.29.2020 11:40		676434-016
S-9 0.5'	S	10.29.2020 11:20		676434-017
S-9 1'	S	10.29.2020 11:22		676434-018
S-10 0.5'	S	10.29.2020 11:38		676434-019
S-10 1'	S	10.29.2020 11:41		676434-020
S-11 0.5'	S	10.29.2020 11:31		676434-021
S-11 1'	S	10.29.2020 11:33		676434-022

CASE NARRATIVE

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Client Name: Larson and Associates, Inc.

Project Name: Candle #001

Project ID: *20-0107-22*
Work Order Number(s): *676434*

Report Date: *11.09.2020*
Date Received: *10.30.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3141084 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 676434-013.

Batch: LBA-3141212 Chloride by EPA 300

Lab Sample ID 676455-002 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 676434-014, -015, -016, -017, -018, -019, -020, -021, -022.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3141292 BTEX by EPA 8021B

Lab Sample ID 676434-005 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 676434-005.
The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Surrogate 4-Bromofluorobenzene recovered below QC limits. Matrix interferences is suspected.
Samples affected are: 676434-005 SD.

Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.
Samples in the analytical batch are: 676434-005

CASE NARRATIVE

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Client Name: Larson and Associates, Inc.

Project Name: Candle #001

Project ID: *20-0107-22*
Work Order Number(s): *676434*

Report Date: *11.09.2020*
Date Received: *10.30.2020*

Batch: LBA-3141466 BTEX by EPA 8021B

Lab Sample ID 676434-006 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 676434-006, -007, -008, -009, -010, -011, -012, -014, -015.

The Laboratory Control Sample for Benzene is within laboratory Control Limits, therefore the data was accepted.

Surrogate 4-Bromofluorobenzene recovered below QC limits. Matrix interferences is suspected. Samples affected are: 676434-014.

Surrogate 1,4-Difluorobenzene recovered above QC limits. Matrix interferences is suspected. Samples affected are: 676434-012.

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected. Samples affected are: 676434-015,676434-012.

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-1 0.5'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-001 Date Collected: 10.29.2020 11:03

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 08:35 % Moisture:

Seq Number: 3141209 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1080**	5.03	mg/kg	11.02.2020 16:07		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<50.0	50.0	mg/kg	10.30.2020 13:56	U	1
Diesel Range Organics	C10C28DRO	<50.0	50.0	mg/kg	10.30.2020 13:56	U	1
Oil Range Hydrocarbons	PHCG2835	<50.0	50.0	mg/kg	10.30.2020 13:56	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.30.2020 13:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-130	10.30.2020 13:56	
o-Terphenyl	84-15-1	127	%	70-130	10.30.2020 13:56	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-1 0.5'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-001	Date Collected:	10.29.2020 11:03		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.02.2020 16:45	% Moisture:	
Seq Number:	3141193			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.02.2020 21:42	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.02.2020 21:42	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.02.2020 21:42	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.02.2020 21:42	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.02.2020 21:42	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	11.02.2020 21:42	U	1
Total BTEX		<0.00198	0.00198	mg/kg	11.02.2020 21:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	11.02.2020 21:42	
1,4-Difluorobenzene	540-36-3	96	%	70-130	11.02.2020 21:42	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-1 1'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-002 Date Collected: 10.29.2020 11:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 08:35 % Moisture:

Seq Number: 3141209 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**923**	5.04	mg/kg	11.02.2020 16:12		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<49.8	49.8	mg/kg	10.30.2020 15:00	U	1
Diesel Range Organics	C10C28DRO	<49.8	49.8	mg/kg	10.30.2020 15:00	U	1
Oil Range Hydrocarbons	PHCG2835	<49.8	49.8	mg/kg	10.30.2020 15:00	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	10.30.2020 15:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-130	10.30.2020 15:00	
o-Terphenyl	84-15-1	125	%	70-130	10.30.2020 15:00	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-1 1'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-002	Date Collected:	10.29.2020 11:05		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.02.2020 16:45	% Moisture:	
Seq Number:	3141193			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.02.2020 22:03	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.02.2020 22:03	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.02.2020 22:03	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.02.2020 22:03	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.02.2020 22:03	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	11.02.2020 22:03	U	1
Total BTEX		<0.00198	0.00198	mg/kg	11.02.2020 22:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	11.02.2020 22:03	
1,4-Difluorobenzene	540-36-3	87	%	70-130	11.02.2020 22:03	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-2 0.5'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-003 Date Collected: 10.29.2020 11:10

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 08:35 % Moisture:

Seq Number: 3141209 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2840**	25.1	mg/kg	11.02.2020 16:17		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<50.0	50.0	mg/kg	10.30.2020 15:21	U	1
Diesel Range Organics	C10C28DRO	**59.7**	50.0	mg/kg	10.30.2020 15:21		1
Oil Range Hydrocarbons	PHCG2835	<50.0	50.0	mg/kg	10.30.2020 15:21	U	1
Total TPH	PHC635	**59.7**	50.0	mg/kg	10.30.2020 15:21		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-130	10.30.2020 15:21	
o-Terphenyl	84-15-1	117	%	70-130	10.30.2020 15:21	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-2 0.5'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-003	Date Collected:	10.29.2020 11:10		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.02.2020 16:45	% Moisture:	
Seq Number:	3141193			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.02.2020 22:23	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.02.2020 22:23	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.02.2020 22:23	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.02.2020 22:23	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.02.2020 22:23	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.02.2020 22:23	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.02.2020 22:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	11.02.2020 22:23	
1,4-Difluorobenzene	540-36-3	85	%	70-130	11.02.2020 22:23	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-2 1'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-004 Date Collected: 10.29.2020 11:15

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 08:35 % Moisture:

Seq Number: 3141209 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**941**	4.97	mg/kg	11.02.2020 16:23		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<49.9	49.9	mg/kg	10.30.2020 15:43	U	1
Diesel Range Organics	C10C28DRO	<49.9	49.9	mg/kg	10.30.2020 15:43	U	1
Oil Range Hydrocarbons	PHCG2835	<49.9	49.9	mg/kg	10.30.2020 15:43	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.30.2020 15:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-130	10.30.2020 15:43	
o-Terphenyl	84-15-1	119	%	70-130	10.30.2020 15:43	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-2 1'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-004 Date Collected: 10.29.2020 11:15

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 11.02.2020 16:45 % Moisture:

Seq Number: 3141193 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.02.2020 22:44	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.02.2020 22:44	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.02.2020 22:44	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	11.02.2020 22:44	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.02.2020 22:44	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	11.02.2020 22:44	U	1
Total BTEX		<0.00198	0.00198	mg/kg	11.02.2020 22:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	11.02.2020 22:44	
1,4-Difluorobenzene	540-36-3	97	%	70-130	11.02.2020 22:44	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-3 0.5'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-005 Date Collected: 10.29.2020 11:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 08:35 % Moisture:

Seq Number: 3141209 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**907**	4.98	mg/kg	11.02.2020 16:38		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<50.0	50.0	mg/kg	10.30.2020 16:04	U	1
Diesel Range Organics	C10C28DRO	<50.0	50.0	mg/kg	10.30.2020 16:04	U	1
Oil Range Hydrocarbons	PHCG2835	<50.0	50.0	mg/kg	10.30.2020 16:04	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.30.2020 16:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-130	10.30.2020 16:04	
o-Terphenyl	84-15-1	129	%	70-130	10.30.2020 16:04	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-3 0.5'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-005	Date Collected:	10.29.2020 11:30		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.03.2020 16:00	% Moisture:	
Seq Number:	3141292			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.03.2020 16:34	UXF	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.03.2020 16:34	UXF	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.03.2020 16:34	UXF	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.03.2020 16:34	UXF	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.03.2020 16:34	UXF	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.03.2020 16:34	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.03.2020 16:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.03.2020 16:34	
1,4-Difluorobenzene	540-36-3	97	%	70-130	11.03.2020 16:34	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-3 1'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-006 Date Collected: 10.29.2020 11:35

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 08:35 % Moisture:

Seq Number: 3141209 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**632**	4.96	mg/kg	11.02.2020 16:44		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<50.0	50.0	mg/kg	10.30.2020 16:26	U	1
Diesel Range Organics	C10C28DRO	<50.0	50.0	mg/kg	10.30.2020 16:26	U	1
Oil Range Hydrocarbons	PHCG2835	<50.0	50.0	mg/kg	10.30.2020 16:26	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.30.2020 16:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-130	10.30.2020 16:26	
o-Terphenyl	84-15-1	123	%	70-130	10.30.2020 16:26	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-3 1'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-006	Date Collected:	10.29.2020 11:35		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.04.2020 17:00	% Moisture:	
Seq Number:	3141466			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.05.2020 06:30	UX	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.05.2020 06:30	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.05.2020 06:30	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.05.2020 06:30	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.05.2020 06:30	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.05.2020 06:30	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.05.2020 06:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	11.05.2020 06:30	
1,4-Difluorobenzene	540-36-3	74	%	70-130	11.05.2020 06:30	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-4 0.5'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-007 Date Collected: 10.29.2020 11:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 08:35 % Moisture:

Seq Number: 3141209 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**706**	4.95	mg/kg	11.02.2020 17:00		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<49.9	49.9	mg/kg	10.30.2020 16:47	U	1
Diesel Range Organics	C10C28DRO	<49.9	49.9	mg/kg	10.30.2020 16:47	U	1
Oil Range Hydrocarbons	PHCG2835	<49.9	49.9	mg/kg	10.30.2020 16:47	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.30.2020 16:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-130	10.30.2020 16:47	
o-Terphenyl	84-15-1	112	%	70-130	10.30.2020 16:47	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-4 0.5'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-007	Date Collected:	10.29.2020 11:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.04.2020 17:00	% Moisture:	
Seq Number:	3141466			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.05.2020 06:56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.05.2020 06:56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.05.2020 06:56	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.05.2020 06:56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.05.2020 06:56	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.05.2020 06:56	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.05.2020 06:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.05.2020 06:56	
1,4-Difluorobenzene	540-36-3	87	%	70-130	11.05.2020 06:56	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-4 1'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-008 Date Collected: 10.29.2020 11:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 08:35 % Moisture:

Seq Number: 3141209 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**680**	4.97	mg/kg	11.02.2020 17:05		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<50.0	50.0	mg/kg	10.30.2020 17:09	U	1
Diesel Range Organics	C10C28DRO	<50.0	50.0	mg/kg	10.30.2020 17:09	U	1
Oil Range Hydrocarbons	PHCG2835	<50.0	50.0	mg/kg	10.30.2020 17:09	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.30.2020 17:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	10.30.2020 17:09	
o-Terphenyl	84-15-1	115	%	70-130	10.30.2020 17:09	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-4 1'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-008	Date Collected:	10.29.2020 11:05		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.04.2020 17:00	% Moisture:	
Seq Number:	3141466			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.05.2020 07:21	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.05.2020 07:21	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.05.2020 07:21	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.05.2020 07:21	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.05.2020 07:21	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.05.2020 07:21	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.05.2020 07:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	11.05.2020 07:21	
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.05.2020 07:21	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-5 0.5'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-009 Date Collected: 10.29.2020 11:10

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 08:35 % Moisture:

Seq Number: 3141209 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**678**	4.97	mg/kg	11.02.2020 17:10		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<50.0	50.0	mg/kg	10.30.2020 17:30	U	1
Diesel Range Organics	C10C28DRO	<50.0	50.0	mg/kg	10.30.2020 17:30	U	1
Oil Range Hydrocarbons	PHCG2835	<50.0	50.0	mg/kg	10.30.2020 17:30	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.30.2020 17:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-130	10.30.2020 17:30	
o-Terphenyl	84-15-1	114	%	70-130	10.30.2020 17:30	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-5 0.5'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-009	Date Collected:	10.29.2020 11:10		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.04.2020 17:00	% Moisture:	
Seq Number:	3141466			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.05.2020 07:47	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.05.2020 07:47	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.05.2020 07:47	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.05.2020 07:47	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.05.2020 07:47	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.05.2020 07:47	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.05.2020 07:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	11.05.2020 07:47	
4-Bromofluorobenzene	460-00-4	98	%	70-130	11.05.2020 07:47	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-5 1'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-010 Date Collected: 10.29.2020 11:13

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 08:35 % Moisture:

Seq Number: 3141209 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**598**	4.96	mg/kg	11.02.2020 17:15		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<50.0	50.0	mg/kg	10.30.2020 17:52	U	1
Diesel Range Organics	C10C28DRO	<50.0	50.0	mg/kg	10.30.2020 17:52	U	1
Oil Range Hydrocarbons	PHCG2835	<50.0	50.0	mg/kg	10.30.2020 17:52	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.30.2020 17:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-130	10.30.2020 17:52	
o-Terphenyl	84-15-1	119	%	70-130	10.30.2020 17:52	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-5 1'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-010 Date Collected: 10.29.2020 11:13

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 11.04.2020 17:00 % Moisture:

Seq Number: 3141466 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.05.2020 08:13	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.05.2020 08:13	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.05.2020 08:13	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.05.2020 08:13	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.05.2020 08:13	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.05.2020 08:13	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.05.2020 08:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	11.05.2020 08:13	
4-Bromofluorobenzene	460-00-4	102	%	70-130	11.05.2020 08:13	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-6 0.5'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-011	Date Collected:	10.29.2020 11:15		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	11.02.2020 08:35	% Moisture:	
Seq Number:	3141209			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4450**	50.1	mg/kg	11.02.2020 17:21		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.30.2020 13:00	% Moisture:	
Seq Number:	3141084			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<49.9	49.9	mg/kg	10.30.2020 18:35	U	1
Diesel Range Organics	C10C28DRO	**920**	49.9	mg/kg	10.30.2020 18:35		1
Oil Range Hydrocarbons	PHCG2835	**376**	49.9	mg/kg	10.30.2020 18:35		1
Total TPH	PHC635	**1300**	49.9	mg/kg	10.30.2020 18:35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-130	10.30.2020 18:35	
o-Terphenyl	84-15-1	128	%	70-130	10.30.2020 18:35	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-6 0.5'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-011	Date Collected:	10.29.2020 11:15		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.04.2020 17:00	% Moisture:	
Seq Number:	3141466			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.05.2020 09:03	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.05.2020 09:03	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.05.2020 09:03	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.05.2020 09:03	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.05.2020 09:03	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.05.2020 09:03	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.05.2020 09:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	91	%	70-130	11.05.2020 09:03	
4-Bromofluorobenzene	460-00-4	105	%	70-130	11.05.2020 09:03	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-6 1'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-012 Date Collected: 10.29.2020 11:20

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 08:35 % Moisture:

Seq Number: 3141209 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4450**	50.5	mg/kg	11.02.2020 17:26		10

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<49.9	49.9	mg/kg	10.30.2020 18:56	U	1
Diesel Range Organics	C10C28DRO	**930**	49.9	mg/kg	10.30.2020 18:56		1
Oil Range Hydrocarbons	PHCG2835	**386**	49.9	mg/kg	10.30.2020 18:56		1
Total TPH	PHC635	**1320**	49.9	mg/kg	10.30.2020 18:56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-130	10.30.2020 18:56	
o-Terphenyl	84-15-1	126	%	70-130	10.30.2020 18:56	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-6 1'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-012	Date Collected:	10.29.2020 11:20		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.04.2020 17:00	% Moisture:	
Seq Number:	3141466			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.320**	0.00200	mg/kg	11.05.2020 09:28		1
Toluene	108-88-3	**0.0465**	0.00200	mg/kg	11.05.2020 09:28		1
Ethylbenzene	100-41-4	**0.0282**	0.00200	mg/kg	11.05.2020 09:28		1
m,p-Xylenes	179601-23-1	**0.0385**	0.00399	mg/kg	11.05.2020 09:28		1
o-Xylene	95-47-6	**0.0643**	0.00200	mg/kg	11.05.2020 09:28		1
Total Xylenes	1330-20-7	**0.103**	0.00200	mg/kg	11.05.2020 09:28		1
Total BTEX		**0.498**	0.00200	mg/kg	11.05.2020 09:28		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	289	%	70-130	11.05.2020 09:28	**
4-Bromofluorobenzene	460-00-4	230	%	70-130	11.05.2020 09:28	**

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-7 0.5'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-013 Date Collected: 10.29.2020 11:36

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 08:35 % Moisture:

Seq Number: 3141209 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3860**	25.2	mg/kg	11.02.2020 17:31		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<50.0	50.0	mg/kg	10.30.2020 19:17	U	1
Diesel Range Organics	C10C28DRO	**313**	50.0	mg/kg	10.30.2020 19:17		1
Oil Range Hydrocarbons	PHCG2835	**142**	50.0	mg/kg	10.30.2020 19:17		1
Total TPH	PHC635	**455**	50.0	mg/kg	10.30.2020 19:17		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	129	%	70-130	10.30.2020 19:17	
o-Terphenyl	84-15-1	137	%	70-130	10.30.2020 19:17	**

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-7 0.5'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-013	Date Collected:	10.29.2020 11:36		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.06.2020 17:00	% Moisture:	
Seq Number:	3141649			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.07.2020 22:00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.07.2020 22:00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.07.2020 22:00	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.07.2020 22:00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.07.2020 22:00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.07.2020 22:00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.07.2020 22:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	11.07.2020 22:00	
1,4-Difluorobenzene	540-36-3	100	%	70-130	11.07.2020 22:00	

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Candle #001

Sample Id: **S-7 1'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-014 Date Collected: 10.29.2020 11:32

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 11:40 % Moisture:

Seq Number: 3141212 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3500**	25.1	mg/kg	11.02.2020 12:30	X	5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<49.8	49.8	mg/kg	10.30.2020 19:39	U	1
Diesel Range Organics	C10C28DRO	**192**	49.8	mg/kg	10.30.2020 19:39		1
Oil Range Hydrocarbons	PHCG2835	**89.7**	49.8	mg/kg	10.30.2020 19:39		1
Total TPH	PHC635	**282**	49.8	mg/kg	10.30.2020 19:39		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-130	10.30.2020 19:39	
o-Terphenyl	84-15-1	118	%	70-130	10.30.2020 19:39	

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Candle #001

Sample Id:	**S-7 1'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-014	Date Collected:	10.29.2020 11:32		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.04.2020 17:00	% Moisture:	
Seq Number:	3141466			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.05.2020 10:19	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.05.2020 10:19	U	1
Ethylbenzene	100-41-4	**0.0362**	0.00200	mg/kg	11.05.2020 10:19		1
m,p-Xylenes	179601-23-1	**0.0135**	0.00401	mg/kg	11.05.2020 10:19		1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.05.2020 10:19	U	1
Total Xylenes	1330-20-7	**0.0135**	0.00200	mg/kg	11.05.2020 10:19		1
Total BTEX		**0.0497**	0.00200	mg/kg	11.05.2020 10:19		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	22	%	70-130	11.05.2020 10:19	**
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.05.2020 10:19	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-8 0.5'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-015 Date Collected: 10.29.2020 11:40

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 11:40 % Moisture:

Seq Number: 3141212 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6.09**	5.03	mg/kg	11.02.2020 12:50		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<50.0	50.0	mg/kg	10.30.2020 20:00	U	1
Diesel Range Organics	C10C28DRO	<50.0	50.0	mg/kg	10.30.2020 20:00	U	1
Oil Range Hydrocarbons	PHCG2835	<50.0	50.0	mg/kg	10.30.2020 20:00	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.30.2020 20:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-130	10.30.2020 20:00	
o-Terphenyl	84-15-1	126	%	70-130	10.30.2020 20:00	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-8 0.5'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-015	Date Collected:	10.29.2020 11:40		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.04.2020 17:00	% Moisture:	
Seq Number:	3141466			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.05.2020 10:45	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.05.2020 10:45	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.05.2020 10:45	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.05.2020 10:45	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.05.2020 10:45	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.05.2020 10:45	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.05.2020 10:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	133	%	70-130	11.05.2020 10:45	**
1,4-Difluorobenzene	540-36-3	108	%	70-130	11.05.2020 10:45	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-8 1'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-016 Date Collected: 10.29.2020 11:40

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 11:40 % Moisture:

Seq Number: 3141212 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.95**	4.95	mg/kg	11.02.2020 12:56		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<50.0	50.0	mg/kg	10.30.2020 20:21	U	1
Diesel Range Organics	C10C28DRO	<50.0	50.0	mg/kg	10.30.2020 20:21	U	1
Oil Range Hydrocarbons	PHCG2835	<50.0	50.0	mg/kg	10.30.2020 20:21	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.30.2020 20:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-130	10.30.2020 20:21	
o-Terphenyl	84-15-1	125	%	70-130	10.30.2020 20:21	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-8 1'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-016	Date Collected:	10.29.2020 11:40		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.06.2020 17:00	% Moisture:	
Seq Number:	3141649			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.07.2020 22:20	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.07.2020 22:20	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.07.2020 22:20	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.07.2020 22:20	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.07.2020 22:20	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.07.2020 22:20	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.07.2020 22:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.07.2020 22:20	
4-Bromofluorobenzene	460-00-4	114	%	70-130	11.07.2020 22:20	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-9 0.5'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-017 Date Collected: 10.29.2020 11:20

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 11:40 % Moisture:

Seq Number: 3141212 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.4**	4.99	mg/kg	11.02.2020 13:03		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<49.9	49.9	mg/kg	10.30.2020 20:42	U	1
Diesel Range Organics	C10C28DRO	<49.9	49.9	mg/kg	10.30.2020 20:42	U	1
Oil Range Hydrocarbons	PHCG2835	<49.9	49.9	mg/kg	10.30.2020 20:42	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.30.2020 20:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-130	10.30.2020 20:42	
o-Terphenyl	84-15-1	122	%	70-130	10.30.2020 20:42	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-9 0.5'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-017	Date Collected:	10.29.2020 11:20		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.06.2020 17:00	% Moisture:	
Seq Number:	3141649			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.07.2020 22:41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.07.2020 22:41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.07.2020 22:41	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.07.2020 22:41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.07.2020 22:41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.07.2020 22:41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.07.2020 22:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	70-130	11.07.2020 22:41	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.07.2020 22:41	

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Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-9 1'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-018 Date Collected: 10.29.2020 11:22

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 11:40 % Moisture:

Seq Number: 3141212 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.88**	4.97	mg/kg	11.02.2020 13:10		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<50.0	50.0	mg/kg	10.30.2020 21:03	U	1
Diesel Range Organics	C10C28DRO	<50.0	50.0	mg/kg	10.30.2020 21:03	U	1
Oil Range Hydrocarbons	PHCG2835	<50.0	50.0	mg/kg	10.30.2020 21:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.30.2020 21:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-130	10.30.2020 21:03	
o-Terphenyl	84-15-1	124	%	70-130	10.30.2020 21:03	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-9 1'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-018	Date Collected:	10.29.2020 11:22		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.06.2020 17:00	% Moisture:	
Seq Number:	3141649			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.07.2020 23:01	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.07.2020 23:01	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.07.2020 23:01	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.07.2020 23:01	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.07.2020 23:01	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.07.2020 23:01	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.07.2020 23:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	11.07.2020 23:01	
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.07.2020 23:01	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-10 0.5'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-019 Date Collected: 10.29.2020 11:38

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 11:40 % Moisture:

Seq Number: 3141212 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**77.3**	4.96	mg/kg	11.02.2020 13:30		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<50.0	50.0	mg/kg	10.30.2020 21:25	U	1
Diesel Range Organics	C10C28DRO	<50.0	50.0	mg/kg	10.30.2020 21:25	U	1
Oil Range Hydrocarbons	PHCG2835	<50.0	50.0	mg/kg	10.30.2020 21:25	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.30.2020 21:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-130	10.30.2020 21:25	
o-Terphenyl	84-15-1	125	%	70-130	10.30.2020 21:25	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-10 0.5'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-019	Date Collected:	10.29.2020 11:38		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.06.2020 17:00	% Moisture:	
Seq Number:	3141649			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.07.2020 23:21	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.07.2020 23:21	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.07.2020 23:21	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.07.2020 23:21	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.07.2020 23:21	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.07.2020 23:21	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.07.2020 23:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	11.07.2020 23:21	
1,4-Difluorobenzene	540-36-3	100	%	70-130	11.07.2020 23:21	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-10 1'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-020 Date Collected: 10.29.2020 11:41

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 11:40 % Moisture:

Seq Number: 3141212 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**86.6**	4.99	mg/kg	11.02.2020 13:36		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 13:00 % Moisture:

Seq Number: 3141084 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<50.0	50.0	mg/kg	10.30.2020 21:46	U	1
Diesel Range Organics	C10C28DRO	<50.0	50.0	mg/kg	10.30.2020 21:46	U	1
Oil Range Hydrocarbons	PHCG2835	<50.0	50.0	mg/kg	10.30.2020 21:46	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.30.2020 21:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	10.30.2020 21:46	
o-Terphenyl	84-15-1	95	%	70-130	10.30.2020 21:46	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-10 1'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-020	Date Collected:	10.29.2020 11:41		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.06.2020 17:00	% Moisture:	
Seq Number:	3141649			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.07.2020 23:42	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.07.2020 23:42	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.07.2020 23:42	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.07.2020 23:42	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.07.2020 23:42	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	11.07.2020 23:42	U	1
Total BTEX		<0.00198	0.00198	mg/kg	11.07.2020 23:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	11.07.2020 23:42	
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.07.2020 23:42	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-11 0.5'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-021 Date Collected: 10.29.2020 11:31

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 11:40 % Moisture:

Seq Number: 3141212 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.5**	5.04	mg/kg	11.02.2020 13:43		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 12:00 % Moisture:

Seq Number: 3141081 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<50.0	50.0	mg/kg	10.30.2020 14:11	U	1
Diesel Range Organics	C10C28DRO	<50.0	50.0	mg/kg	10.30.2020 14:11	U	1
Oil Range Hydrocarbons	PHCG2835	<50.0	50.0	mg/kg	10.30.2020 14:11	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.30.2020 14:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	10.30.2020 14:11	
o-Terphenyl	84-15-1	107	%	70-130	10.30.2020 14:11	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-11 0.5'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-021	Date Collected:	10.29.2020 11:31		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.06.2020 17:00	% Moisture:	
Seq Number:	3141649			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.08.2020 00:02	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.08.2020 00:02	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.08.2020 00:02	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	11.08.2020 00:02	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.08.2020 00:02	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.08.2020 00:02	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.08.2020 00:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	70-130	11.08.2020 00:02	
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.08.2020 00:02	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id: **S-11 1'** Matrix: Soil Date Received:10.30.2020 08:43

Lab Sample Id: 676434-022 Date Collected: 10.29.2020 11:33

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 11.02.2020 11:40 % Moisture:

Seq Number: 3141212 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.3**	5.04	mg/kg	11.02.2020 13:50		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.30.2020 12:00 % Moisture:

Seq Number: 3141081 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<49.9	49.9	mg/kg	10.30.2020 15:09	U	1
Diesel Range Organics	C10C28DRO	<49.9	49.9	mg/kg	10.30.2020 15:09	U	1
Oil Range Hydrocarbons	PHCG2835	<49.9	49.9	mg/kg	10.30.2020 15:09	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.30.2020 15:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	10.30.2020 15:09	
o-Terphenyl	84-15-1	103	%	70-130	10.30.2020 15:09	

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Certificate of Analytical Results 676434

Larson and Associates, Inc., Midland, TX

Candle #001

Sample Id:	**S-11 1'**	Matrix:	Soil	Date Received:	10.30.2020 08:43
Lab Sample Id:	676434-022	Date Collected:	10.29.2020 11:33		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	11.06.2020 17:00	% Moisture:	
Seq Number:	3141649			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.08.2020 00:23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.08.2020 00:23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.08.2020 00:23	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	11.08.2020 00:23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.08.2020 00:23	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.08.2020 00:23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.08.2020 00:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	11.08.2020 00:23	
4-Bromofluorobenzene	460-00-4	125	%	70-130	11.08.2020 00:23	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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QC Summary 676434

Larson and Associates, Inc.

Candle #001

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3141209 — Matrix: Solid — Date Prep: 11.02.2020
MB Sample Id: 7714305-1-BLK — LCS Sample Id: 7714305-1-BKS — LCSD Sample Id: 7714305-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	266	106	265	106	90-110	0	20	mg/kg	11.02.2020 14:58	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3141212 — Matrix: Solid — Date Prep: 11.02.2020
MB Sample Id: 7714335-1-BLK — LCS Sample Id: 7714335-1-BKS — LCSD Sample Id: 7714335-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	268	107	266	106	90-110	1	20	mg/kg	11.02.2020 12:17	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3141209 — Matrix: Soil — Date Prep: 11.02.2020
Parent Sample Id: 676429-006 — MS Sample Id: 676429-006 S — MSD Sample Id: 676429-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	343	251	605	104	602	103	90-110	0	20	mg/kg	11.02.2020 15:14	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3141209 — Matrix: Soil — Date Prep: 11.02.2020
Parent Sample Id: 676434-004 — MS Sample Id: 676434-004 S — MSD Sample Id: 676434-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	941	249	1170	92	1180	96	90-110	1	20	mg/kg	11.02.2020 16:28	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3141212 — Matrix: Soil — Date Prep: 11.02.2020
Parent Sample Id: 676434-014 — MS Sample Id: 676434-014 S — MSD Sample Id: 676434-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	3500	1250	5020	122	4960	117	90-110	1	20	mg/kg	11.02.2020 12:36	X

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3141212 — Matrix: Soil — Date Prep: 11.02.2020
Parent Sample Id: 676455-002 — MS Sample Id: 676455-002 S — MSD Sample Id: 676455-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	6860	2490	9680	113	9490	106	90-110	2	20	mg/kg	11.02.2020 14:10	X

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 676434

Larson and Associates, Inc.

Candle #001

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3141081 — Matrix: Solid — Date Prep: 10.30.2020
MB Sample Id: 7714293-1-BLK — LCS Sample Id: 7714293-1-BKS — LCSD Sample Id: 7714293-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons	<50.0	1000	978	98	961	96	70-130	2	20	mg/kg	10.30.2020 13:33	
Diesel Range Organics	<50.0	1000	1000	100	949	95	70-130	5	20	mg/kg	10.30.2020 13:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	97		106		102		70-130	%	10.30.2020 13:33
o-Terphenyl	111		113		105		70-130	%	10.30.2020 13:33

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3141084 — Matrix: Solid — Date Prep: 10.30.2020
MB Sample Id: 7714295-1-BLK — LCS Sample Id: 7714295-1-BKS — LCSD Sample Id: 7714295-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons	<50.0	1000	957	96	1010	101	70-130	5	20	mg/kg	10.30.2020 13:13	
Diesel Range Organics	<50.0	1000	1100	110	1110	111	70-130	1	20	mg/kg	10.30.2020 13:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	106		117		113		70-130	%	10.30.2020 13:13
o-Terphenyl	114		121		119		70-130	%	10.30.2020 13:13

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3141081 — Matrix: Solid — Date Prep: 10.30.2020
MB Sample Id: 7714293-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Oil Range Hydrocarbons	<50.0	mg/kg	10.30.2020 13:14	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3141084 — Matrix: Solid — Date Prep: 10.30.2020
MB Sample Id: 7714295-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Oil Range Hydrocarbons	<50.0	mg/kg	10.30.2020 12:52	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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QC Summary 676434

Larson and Associates, Inc.

Candle #001

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3141081 — Matrix: Soil — Date Prep: 10.30.2020
Parent Sample Id: 676434-021 — MS Sample Id: 676434-021 S — MSD Sample Id: 676434-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons	<49.9	997	971	97	959	96	70-130	1	20	mg/kg	10.30.2020 14:30	
Diesel Range Organics	<49.9	997	1000	100	977	98	70-130	2	20	mg/kg	10.30.2020 14:30	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		105		70-130	%	10.30.2020 14:30
o-Terphenyl	106		106		70-130	%	10.30.2020 14:30

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3141084 — Matrix: Soil — Date Prep: 10.30.2020
Parent Sample Id: 676434-001 — MS Sample Id: 676434-001 S — MSD Sample Id: 676434-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons	<49.9	998	1040	104	1000	100	70-130	4	20	mg/kg	10.30.2020 14:17	
Diesel Range Organics	<49.9	998	1210	121	1220	122	70-130	1	20	mg/kg	10.30.2020 14:17	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	127		123		70-130	%	10.30.2020 14:17
o-Terphenyl	123		123		70-130	%	10.30.2020 14:17

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3141193 — Matrix: Solid — Date Prep: 11.02.2020
MB Sample Id: 7714381-1-BLK — LCS Sample Id: 7714381-1-BKS — LCSD Sample Id: 7714381-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0797	80	0.0731	73	70-130	9	35	mg/kg	11.02.2020 17:16	
Toluene	<0.00200	0.100	0.104	104	0.0950	95	70-130	9	35	mg/kg	11.02.2020 17:16	
Ethylbenzene	<0.00200	0.100	0.114	114	0.102	102	70-130	11	35	mg/kg	11.02.2020 17:16	
m,p-Xylenes	<0.00400	0.200	0.233	117	0.207	104	70-130	12	35	mg/kg	11.02.2020 17:16	
o-Xylene	<0.00200	0.100	0.113	113	0.101	101	70-130	11	35	mg/kg	11.02.2020 17:16	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		88		87		70-130	%	11.02.2020 17:16
4-Bromofluorobenzene	88		116		105		70-130	%	11.02.2020 17:16

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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QC Summary 676434

Larson and Associates, Inc.

Candle #001

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3141292 — Matrix: Solid — Date Prep: 11.03.2020
MB Sample Id: 7714448-1-BLK — LCS Sample Id: 7714448-1-BKS — LCSD Sample Id: 7714448-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0744	74	0.0824	82	70-130	10	35	mg/kg	11.03.2020 11:41	
Toluene	<0.00200	0.100	0.102	102	0.107	107	70-130	5	35	mg/kg	11.03.2020 11:41	
Ethylbenzene	<0.00200	0.100	0.115	115	0.119	119	70-130	3	35	mg/kg	11.03.2020 11:41	
m,p-Xylenes	<0.00400	0.200	0.240	120	0.246	123	70-130	2	35	mg/kg	11.03.2020 11:41	
o-Xylene	<0.00200	0.100	0.119	119	0.118	118	70-130	1	35	mg/kg	11.03.2020 11:41	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		84		85		70-130	%	11.03.2020 11:41
4-Bromofluorobenzene	96		122		114		70-130	%	11.03.2020 11:41

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3141466 — Matrix: Solid — Date Prep: 11.04.2020
MB Sample Id: 7714582-1-BLK — LCS Sample Id: 7714582-1-BKS — LCSD Sample Id: 7714582-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0776	78	0.0802	80	70-130	3	35	mg/kg	11.05.2020 03:30	
Toluene	<0.00200	0.100	0.113	113	0.117	117	70-130	3	35	mg/kg	11.05.2020 03:30	
Ethylbenzene	<0.00200	0.100	0.106	106	0.114	114	70-130	7	35	mg/kg	11.05.2020 03:30	
m,p-Xylenes	<0.00400	0.200	0.216	108	0.234	117	70-130	8	35	mg/kg	11.05.2020 03:30	
o-Xylene	<0.00200	0.100	0.109	109	0.117	117	70-130	7	35	mg/kg	11.05.2020 03:30	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	74		104		110		70-130	%	11.05.2020 03:30
4-Bromofluorobenzene	84		103		108		70-130	%	11.05.2020 03:30

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3141649 — Matrix: Solid — Date Prep: 11.06.2020
MB Sample Id: 7714724-1-BLK — LCS Sample Id: 7714724-1-BKS — LCSD Sample Id: 7714724-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0923	92	0.0811	81	70-130	13	35	mg/kg	11.07.2020 14:50	
Toluene	<0.00200	0.100	0.0941	94	0.0842	84	70-130	11	35	mg/kg	11.07.2020 14:50	
Ethylbenzene	<0.00200	0.100	0.0983	98	0.0895	90	70-130	9	35	mg/kg	11.07.2020 14:50	
m,p-Xylenes	<0.00400	0.200	0.194	97	0.176	88	70-130	10	35	mg/kg	11.07.2020 14:50	
o-Xylene	<0.00200	0.100	0.0938	94	0.0887	89	70-130	6	35	mg/kg	11.07.2020 14:50	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		99		99		70-130	%	11.07.2020 14:50
4-Bromofluorobenzene	104		94		100		70-130	%	11.07.2020 14:50

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 676434

Larson and Associates, Inc.

Candle #001

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3141193 Matrix: Soil Date Prep: 11.02.2020
Parent Sample Id: 676429-007 MS Sample Id: 676429-007 S MSD Sample Id: 676429-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0640	64	0.0664	67	70-130	4	35	mg/kg	11.02.2020 17:57	X
Toluene	<0.00201	0.100	0.0850	85	0.0858	86	70-130	1	35	mg/kg	11.02.2020 17:57	
Ethylbenzene	<0.00201	0.100	0.0942	94	0.0926	93	70-130	2	35	mg/kg	11.02.2020 17:57	
m,p-Xylenes	<0.00402	0.201	0.192	96	0.187	94	70-130	3	35	mg/kg	11.02.2020 17:57	
o-Xylene	<0.00201	0.100	0.0944	94	0.0924	93	70-130	2	35	mg/kg	11.02.2020 17:57	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	85		88		70-130	%	11.02.2020 17:57
4-Bromofluorobenzene	113		110		70-130	%	11.02.2020 17:57

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3141292 Matrix: Soil Date Prep: 11.03.2020
Parent Sample Id: 676434-005 MS Sample Id: 676434-005 S MSD Sample Id: 676434-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.00370	4	0.0545	55	70-130	175	35	mg/kg	11.03.2020 13:46	XF
Toluene	<0.00199	0.0996	0.00542	5	<0.00200	0	70-130	200	35	mg/kg	11.03.2020 13:46	XF
Ethylbenzene	<0.00199	0.0996	0.00570	6	<0.00200	0	70-130	200	35	mg/kg	11.03.2020 13:46	XF
m,p-Xylenes	<0.00398	0.199	0.0112	6	<0.00401	0	70-130	200	35	mg/kg	11.03.2020 13:46	XF
o-Xylene	<0.00199	0.0996	0.00649	7	<0.00200	0	70-130	200	35	mg/kg	11.03.2020 13:46	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		95		70-130	%	11.03.2020 13:46
4-Bromofluorobenzene	100		0	**	70-130	%	11.03.2020 13:46

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3141466 Matrix: Soil Date Prep: 11.04.2020
Parent Sample Id: 676434-006 MS Sample Id: 676434-006 S MSD Sample Id: 676434-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0663	67	0.0664	67	70-130	0	35	mg/kg	11.05.2020 04:22	X
Toluene	<0.00199	0.0996	0.0782	79	0.0935	94	70-130	18	35	mg/kg	11.05.2020 04:22	
Ethylbenzene	<0.00199	0.0996	0.0822	83	0.0838	84	70-130	2	35	mg/kg	11.05.2020 04:22	
m,p-Xylenes	<0.00398	0.199	0.166	83	0.169	85	70-130	2	35	mg/kg	11.05.2020 04:22	
o-Xylene	<0.00199	0.0996	0.0811	81	0.0835	84	70-130	3	35	mg/kg	11.05.2020 04:22	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		102		70-130	%	11.05.2020 04:22
4-Bromofluorobenzene	102		101		70-130	%	11.05.2020 04:22

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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QC Summary 676434

Larson and Associates, Inc.

Candle #001

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3141649 Matrix: Soil Date Prep: 11.06.2020

Parent Sample Id: 677024-001 MS Sample Id: 677024-001 S MSD Sample Id: 677024-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.0979	98	0.110	109	70-130	12	35	mg/kg	11.07.2020 15:31	
Toluene	<0.00199	0.0994	0.0992	100	0.112	111	70-130	12	35	mg/kg	11.07.2020 15:31	
Ethylbenzene	<0.00199	0.0994	0.106	107	0.119	118	70-130	12	35	mg/kg	11.07.2020 15:31	
m,p-Xylenes	<0.00398	0.199	0.206	104	0.232	115	70-130	12	35	mg/kg	11.07.2020 15:31	
o-Xylene	<0.00199	0.0994	0.103	104	0.116	115	70-130	12	35	mg/kg	11.07.2020 15:31	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		101		70-130	%	11.07.2020 15:31
4-Bromofluorobenzene	103		106		70-130	%	11.07.2020 15:31

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

№ 1364

6760434

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 10/30/2020 PAGE 1 OF 2

PO#: _____ LAB WORK ORDER#: _____

PROJECT LOCATION OR NAME: LANDIE # 001

LAI PROJECT #: 20-0107-22 COLLECTOR: DS/TS

TRRP report? ☐ Yes ☒ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

TIME ZONE: Time zone/State: MST / NM

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TBLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
S-1 0.5'		10/29/20	1103	S	1				X		X		X	X	X												X		
S-1 1'			1105																										
S-2 0.5'			1110																										
S-2 1'			1115																										
S-3 0.5'			1130																										
S-3 1'			1135																										
S-4 0.5'			1100																										
S-4 1'			1105																										
S-5 0.5'			1110																										
S-5 1'			1113																										
S-6 0.5'			1115																										
S-6 1'			1120																										
S-7 0.5'			1126																										
S-7 1'			1132																										
S-8 0.5			1140																										
TOTAL 15																													

RELINQUISHED BY:(Signature) DS/TS DATE/TIME 10/30/20 / 843 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

LABORATORY: XENCO

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 10.5 THERM#: R8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL # _____
☒ HAND DELIVERED

№ 1365

6764434

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 10/30/2020 PAGE 2 OF 2

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: CANDIE #001

LAI PROJECT #: 20-0107-22 COLLECTOR: DS/TJ

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST/NM

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TBLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
S-8 1'		10/29/20	1140	S	1				X		X		X	X	X													X	
S-9 0.5'		"	1120	"	"				"		"		"	"	"													"	
S-9 1'			1122																										
S-10 0.5'			1138																										
S-10 1'			1141																										
S-11 0.5'			1131																										
S-11 1'			1133																										

TOTAL 7

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
DS	10/30/20 8:43	
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: XENCO

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: -10.5 THERM#: R8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Date/ Time Received: 10.30.2020 08.43.00 AM

Work Order #: 676434

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR-8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	-10.5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	TPH was in bulk container
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**N/A**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Jessica Kramer Date: 10.30.2020
Jessica Kramer

Checklist reviewed by: Holly Taylor Date: 10.30.2020
Holly Taylor

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Certificate of Analysis Summary 680582

Larson and Associates, Inc., Midland, TX

Project Name: Candie 001

Project Id: 20-0107-22
Contact: Mark Larson
Project Location:

Date Received in Lab: Thu 12.10.2020 10:35
Report Date: 12.18.2020 12:31
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	680582-001		680582-002		680582-003		680582-004		680582-005		680582-006	
	Field Id:	S-1 1'		S-1 3'		S-1 5'		S-1 10'		S-1 15'		S-7 1'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	12.09.2020 12:30		12.09.2020 12:35		12.09.2020 12:40		12.09.2020 12:45		12.09.2020 12:50		12.09.2020 13:00	
BTEX by EPA 8021B	***Extracted:***	12.11.2020 11:03		12.11.2020 11:03								12.11.2020 11:03	
	Analyzed:	12.11.2020 14:46		12.11.2020 15:08								12.11.2020 15:30	
	Units/RL:	mg/kg	RL	mg/kg	RL							mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200							<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00200	0.00200							<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200							<0.00199	0.00199
m,p-Xylenes		<0.00401	0.00401	<0.00401	0.00401							<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00200	0.00200							<0.00199	0.00199
Total Xylenes		<0.002000	0.002000	<0.002000	0.002000							<0.001990	0.001990
Total BTEX		<0.002000	0.002000	<0.002000	0.002000							<0.001990	0.001990
Chloride by EPA 300	***Extracted:***	12.11.2020 14:06		12.11.2020 14:06		12.11.2020 14:06		12.11.2020 14:06		12.16.2020 18:02		12.11.2020 14:06	
	Analyzed:	12.11.2020 17:50		12.11.2020 18:06		12.11.2020 18:11		12.11.2020 18:16		12.17.2020 12:18		12.11.2020 18:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		355	9.90	450	9.98	587	9.96	1020	50.0	583	49.6	3470	49.9
TPH by SW8015 Mod	***Extracted:***	12.11.2020 17:56		12.11.2020 17:56								12.11.2020 17:56	
	Analyzed:	12.11.2020 23:38		12.12.2020 00:39								12.12.2020 00:59	
	Units/RL:	mg/kg	RL	mg/kg	RL							mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.0	50.0							<50.0	50.0
Diesel Range Organics (DRO)		<50.1	50.1	<50.0	50.0							<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.0	50.0							<50.0	50.0
Total TPH		<50.10	50.10	<50.00	50.00							<50.00	50.00

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 680582

Larson and Associates, Inc., Midland, TX

Project Name: Candie 001

Project Id: 20-0107-22
Contact: Mark Larson
Project Location:

Date Received in Lab: Thu 12.10.2020 10:35
Report Date: 12.18.2020 12:31
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	680582-007		680582-008		680582-009		680582-012		680582-013		680582-014	
	Field Id:	S-7 3'		S-7 5'		S-7 10'		S-6 1'		S-6 3'		S-6 5'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	12.09.2020 13:05		12.09.2020 13:10		12.09.2020 13:15		12.09.2020 13:40		12.09.2020 13:45		12.09.2020 13:50	
BTEX by EPA 8021B	***Extracted:***	12.11.2020 11:03						12.11.2020 11:03		12.11.2020 11:03			
	Analyzed:	12.11.2020 15:53						12.11.2020 16:15		12.11.2020 16:38			
	Units/RL:	mg/kg	RL					mg/kg	RL	mg/kg	RL		
Benzene		<0.00200	0.00200					<0.00198	0.00198	<0.00200	0.00200		
Toluene		<0.00200	0.00200					<0.00198	0.00198	<0.00200	0.00200		
Ethylbenzene		<0.00200	0.00200					<0.00198	0.00198	<0.00200	0.00200		
m,p-Xylenes		<0.00399	0.00399					<0.00397	0.00397	<0.00399	0.00399		
o-Xylene		<0.00200	0.00200					<0.00198	0.00198	<0.00200	0.00200		
Total Xylenes		<0.002000	0.002000					<0.001980	0.001980	<0.002000	0.002000		
Total BTEX		<0.002000	0.002000					<0.001980	0.001980	<0.002000	0.002000		
Chloride by EPA 300	***Extracted:***	12.11.2020 14:06		12.11.2020 14:06		12.11.2020 14:06		12.11.2020 14:06		12.11.2020 14:06		12.11.2020 14:06	
	Analyzed:	12.11.2020 18:36		12.11.2020 18:41		12.11.2020 18:46		12.11.2020 18:52		12.11.2020 18:57		12.11.2020 19:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1870	49.8	1190	49.9	155	9.92	20200	49.6	1580	49.5	978	49.4
TPH by SW8015 Mod	***Extracted:***	12.11.2020 17:56		12.11.2020 17:56		12.11.2020 17:56		12.11.2020 17:56		12.11.2020 17:56		12.11.2020 17:56	
	Analyzed:	12.12.2020 01:19		12.12.2020 01:39		12.12.2020 01:59		12.12.2020 02:19		12.12.2020 02:39		12.12.2020 02:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.3	50.3	<50.1	50.1	<49.8	49.8	<50.1	50.1	<49.8	49.8
Diesel Range Organics (DRO)		<49.9	49.9	<50.3	50.3	<50.1	50.1	573	49.8	<50.1	50.1	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.3	50.3	<50.1	50.1	195	49.8	<50.1	50.1	<49.8	49.8
Total TPH		<49.90	49.90	<50.30	50.30	<50.10	50.10	768.0	49.80	<50.10	50.10	<49.80	49.80

BRL - Below Reporting Limit

Holly Taylor

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 680582

Larson and Associates, Inc., Midland, TX

Project Name: Candie 001

Project Id: 20-0107-22
Contact: Mark Larson
Project Location:

Date Received in Lab: Thu 12.10.2020 10:35
Report Date: 12.18.2020 12:31
Project Manager: Holly Taylor

Analysis Requested		680582-015		680582-016		680582-018		680582-019		680582-020		680582-021	
	Field Id:	S-6 10'		S-6 15'		S-5 1'		S-5 3'		S-5 5'		S-5 10'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	12.09.2020 13:55		12.09.2020 14:00		12.09.2020 14:15		12.09.2020 14:20		12.09.2020 14:25		12.09.2020 14:30	
BTEX by EPA 8021B	*Extracted:*					12.11.2020 11:03		12.11.2020 11:03					
	Analyzed:					12.11.2020 17:00		12.11.2020 17:23					
	Units/RL:					mg/kg	RL	mg/kg	RL				
Benzene						<0.00202	0.00202	<0.00200	0.00200				
Toluene						<0.00202	0.00202	<0.00200	0.00200				
Ethylbenzene						<0.00202	0.00202	<0.00200	0.00200				
m,p-Xylenes						<0.00403	0.00403	<0.00401	0.00401				
o-Xylene						<0.00202	0.00202	<0.00200	0.00200				
Total Xylenes						<0.002020	0.002020	<0.002000	0.002000				
Total BTEX						<0.002020	0.002020	<0.002000	0.002000				
Chloride by EPA 300	*Extracted:*	12.11.2020 14:06		12.16.2020 18:02		12.11.2020 14:06		12.11.2020 14:06		12.11.2020 14:06		12.11.2020 14:06	
	Analyzed:	12.11.2020 19:17		12.17.2020 12:24		12.11.2020 19:22		12.11.2020 19:37		12.11.2020 19:42		12.11.2020 19:47	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		674	49.9	417	50.2	374	9.92	158	9.98	81.0	49.8	688	49.8
TPH by SW8015 Mod	*Extracted:*	12.11.2020 17:56				12.11.2020 17:56		12.10.2020 17:00					
	Analyzed:	12.12.2020 03:19				12.12.2020 03:59		12.11.2020 19:15					
	Units/RL:	mg/kg	RL			mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1			<50.2	50.2	<50.0	50.0				
Diesel Range Organics (DRO)		<50.1	50.1			<50.2	50.2	<50.0	50.0				
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1			<50.2	50.2	<50.0	50.0				
Total TPH		<50.10	50.10			<50.20	50.20	<50.00	50.00				

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 680582

Larson and Associates, Inc., Midland, TX

Project Name: Candie 001

Project Id: 20-0107-22
Contact: Mark Larson
Project Location:

Date Received in Lab: Thu 12.10.2020 10:35
Report Date: 12.18.2020 12:31
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	680582-022		680582-023		680582-024		680582-025		680582-026		680582-028	
	Field Id:	S-5 15'		S-2 1'		S-2 3'		S-2 5'		S-2 10'		S-3 1'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	12.09.2020 14:35		12.10.2020 08:50		12.10.2020 08:55		12.10.2020 09:00		12.10.2020 09:05		12.10.2020 09:20	
BTEX by EPA 8021B	Extracted:			12.11.2020 11:03		12.11.2020 11:03						12.11.2020 11:03	
	Analyzed:			12.11.2020 17:45		12.11.2020 18:07						12.11.2020 19:25	
	Units/RL:			mg/kg	RL	mg/kg	RL					mg/kg	RL
Benzene				<0.00202	0.00202	<0.00200	0.00200					<0.00198	0.00198
Toluene				<0.00202	0.00202	<0.00200	0.00200					<0.00198	0.00198
Ethylbenzene				<0.00202	0.00202	<0.00200	0.00200					<0.00198	0.00198
m,p-Xylenes				<0.00403	0.00403	<0.00401	0.00401					<0.00397	0.00397
o-Xylene				<0.00202	0.00202	<0.00200	0.00200					<0.00198	0.00198
Total Xylenes				<0.002020	0.002020	<0.002000	0.002000					<0.001980	0.001980
Total BTEX				<0.002020	0.002020	<0.002000	0.002000					<0.001980	0.001980
Chloride by EPA 300	Extracted:	12.16.2020 18:02		12.11.2020 14:06		12.11.2020 14:06		12.11.2020 14:06		12.11.2020 14:06		12.11.2020 16:10	
	Analyzed:	12.17.2020 12:30		12.11.2020 19:53		12.11.2020 19:58		12.11.2020 20:03		12.11.2020 20:08		12.11.2020 20:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		355	50.1	884	9.98	568	9.96	75.0	49.9	515	50.0	471	9.92
TPH by SW8015 Mod	Extracted:			12.10.2020 17:00		12.10.2020 17:00						12.10.2020 17:00	
	Analyzed:			12.11.2020 19:36		12.11.2020 19:56						12.11.2020 20:16	
	Units/RL:			mg/kg	RL	mg/kg	RL					mg/kg	RL
Gasoline Range Hydrocarbons (GRO)				<50.3	50.3	<49.8	49.8					<50.2	50.2
Diesel Range Organics (DRO)				<50.3	50.3	<49.8	49.8					<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)				<50.3	50.3	<49.8	49.8					<50.2	50.2
Total TPH				<50.30	50.30	<49.80	49.80					<50.20	50.20

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor

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Certificate of Analysis Summary 680582

Larson and Associates, Inc., Midland, TX

Project Name: Candie 001

Project Id: 20-0107-22
Contact: Mark Larson
Project Location:

Date Received in Lab: Thu 12.10.2020 10:35
Report Date: 12.18.2020 12:31
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	680582-029		680582-030		680582-031		680582-032		680582-033		680582-034	
	Field Id:	S-3 3'		S-3 5'		S-3 10'		S-3 15'		S-4 1'		S-4 3'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	12.10.2020 09:25		12.10.2020 09:30		12.10.2020 09:35		12.10.2020 09:40		12.10.2020 09:50		12.10.2020 09:55	
BTEX by EPA 8021B	***Extracted:***	12.11.2020 11:03								12.11.2020 11:03		12.11.2020 11:03	
	Analyzed:	12.11.2020 19:48								12.11.2020 20:10		12.11.2020 20:32	
	Units/RL:	mg/kg	RL							mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199							<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00199	0.00199							<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199							<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398							<0.00399	0.00399	<0.00399	0.00399
o-Xylene		<0.00199	0.00199							<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.001990	0.001990							<0.002000	0.002000	<0.002000	0.002000
Total BTEX		<0.001990	0.001990							<0.002000	0.002000	<0.002000	0.002000
Chloride by EPA 300	***Extracted:***	12.11.2020 16:10		12.11.2020 16:10		12.11.2020 16:10		12.16.2020 18:02		12.11.2020 16:10		12.11.2020 16:10	
	Analyzed:	12.11.2020 20:53		12.11.2020 20:59		12.11.2020 21:04		12.17.2020 12:35		12.11.2020 21:09		12.11.2020 21:24	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		491	10.1	863	50.4	2610	49.9	388	50.4	493	49.8	342	9.98
TPH by SW8015 Mod	***Extracted:***	12.10.2020 17:00								12.10.2020 17:00		12.10.2020 17:00	
	Analyzed:	12.11.2020 20:37								12.11.2020 20:57		12.11.2020 21:17	
	Units/RL:	mg/kg	RL							mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2							<50.0	50.0	<50.2	50.2
Diesel Range Organics (DRO)		<50.2	50.2							<50.0	50.0	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2							<50.0	50.0	<50.2	50.2
Total TPH		<50.20	50.20							<50.00	50.00	<50.20	50.20

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 680582

Larson and Associates, Inc., Midland, TX

Project Name: Candie 001

Project Id: 20-0107-22
Contact: Mark Larson
Project Location:

Date Received in Lab: Thu 12.10.2020 10:35
Report Date: 12.18.2020 12:31
Project Manager: Holly Taylor

Analysis Requested											
	Lab Id:	680582-035		680582-036		680582-037					
	Field Id:	S-4 5'		S-4 10'		S-4 15'					
	Depth:										
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	12.10.2020 10:00		12.10.2020 10:05		12.10.2020 10:10					
Chloride by EPA 300	***Extracted:***	12.11.2020 16:10		12.11.2020 16:10		12.16.2020 18:02					
	Analyzed:	12.11.2020 21:29		12.11.2020 21:34		12.17.2020 12:41					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		359	9.92	1030	49.9	223	50.1				

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Holly Taylor

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Analytical Report 680582

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Candie 001

20-0107-22

12.18.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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12.18.2020

Project Manager: **Mark Larson**
Larson and Associates, Inc.
P. O. Box 50685
Midland, TX 79710

Reference: Eurofins Xenco, LLC Report No(s): **680582**
Candie 001
Project Address:

Mark Larson :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 680582. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 680582 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor

Holly Taylor
Project Manager

A Small Business and Minority Company

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Sample Cross Reference 680582

Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-1 1'	S	12.09.2020 12:30		680582-001
S-1 3'	S	12.09.2020 12:35		680582-002
S-1 5'	S	12.09.2020 12:40		680582-003
S-1 10'	S	12.09.2020 12:45		680582-004
S-1 15'	S	12.09.2020 12:50		680582-005
S-7 1'	S	12.09.2020 13:00		680582-006
S-7 3'	S	12.09.2020 13:05		680582-007
S-7 5'	S	12.09.2020 13:10		680582-008
S-7 10'	S	12.09.2020 13:15		680582-009
S-6 1'	S	12.09.2020 13:40		680582-012
S-6 3'	S	12.09.2020 13:45		680582-013
S-6 5'	S	12.09.2020 13:50		680582-014
S-6 10'	S	12.09.2020 13:55		680582-015
S-6 15'	S	12.09.2020 14:00		680582-016
S-5 1'	S	12.09.2020 14:15		680582-018
S-5 3'	S	12.09.2020 14:20		680582-019
S-5 5'	S	12.09.2020 14:25		680582-020
S-5 10'	S	12.09.2020 14:30		680582-021
S-5 15'	S	12.09.2020 14:35		680582-022
S-2 1'	S	12.10.2020 08:50		680582-023
S-2 3'	S	12.10.2020 08:55		680582-024
S-2 5'	S	12.10.2020 09:00		680582-025
S-2 10'	S	12.10.2020 09:05		680582-026
S-3 1'	S	12.10.2020 09:20		680582-028
S-3 3'	S	12.10.2020 09:25		680582-029
S-3 5'	S	12.10.2020 09:30		680582-030
S-3 10'	S	12.10.2020 09:35		680582-031
S-3 15'	S	12.10.2020 09:40		680582-032
S-4 1'	S	12.10.2020 09:50		680582-033
S-4 3'	S	12.10.2020 09:55		680582-034
S-4 5'	S	12.10.2020 10:00		680582-035
S-4 10'	S	12.10.2020 10:05		680582-036
S-4 15'	S	12.10.2020 10:10		680582-037
S-7 15'	S	12.09.2020 13:20		Not Analyzed
S-7 20'	S	12.09.2020 13:25		Not Analyzed
S-6 20'	S	12.09.2020 14:05		Not Analyzed
S-2 15'	S	12.10.2020 09:10		Not Analyzed

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CASE NARRATIVE

Client Name: Larson and Associates, Inc.

Project Name: Candie 001

Project ID: *20-0107-22*
Work Order Number(s): *680582*

Report Date: *12.18.2020*
Date Received: *12.10.2020*

Sample receipt non conformances and comments:

12/15/2020 1.001 Revised to report results for Cl on samples 005, 016, 022, 032 and 037 per Robert Nelson (email). HT

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 680582

Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id: **S-1 1'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-001 Date Collected: 12.09.2020 12:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 14:06 % Moisture:

Seq Number: 3144747 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**355**	9.90	mg/kg	12.11.2020 17:50		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 12.11.2020 17:56 % Moisture:

Seq Number: 3144731 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	12.11.2020 23:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	12.11.2020 23:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	12.11.2020 23:38	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	12.11.2020 23:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	12.11.2020 23:38	
o-Terphenyl	84-15-1	107	%	70-135	12.11.2020 23:38	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-1 1'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-001	Date Collected:	12.09.2020 12:30		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 11:03	% Moisture:	
Seq Number:	3144684			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.11.2020 14:46	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.11.2020 14:46	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.11.2020 14:46	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.11.2020 14:46	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.11.2020 14:46	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.11.2020 14:46	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.11.2020 14:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	12.11.2020 14:46	
4-Bromofluorobenzene	460-00-4	87	%	70-130	12.11.2020 14:46	

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Candie 001

Sample Id: **S-1 3'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-002 Date Collected: 12.09.2020 12:35

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 14:06 % Moisture:

Seq Number: 3144747 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**450**	9.98	mg/kg	12.11.2020 18:06		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 12.11.2020 17:56 % Moisture:

Seq Number: 3144731 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.12.2020 00:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.12.2020 00:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.12.2020 00:39	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.12.2020 00:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	12.12.2020 00:39	
o-Terphenyl	84-15-1	109	%	70-135	12.12.2020 00:39	

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Candie 001

Sample Id:	**S-1 3'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-002	Date Collected:	12.09.2020 12:35		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 11:03	% Moisture:	
Seq Number:	3144684			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.11.2020 15:08	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.11.2020 15:08	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.11.2020 15:08	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.11.2020 15:08	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.11.2020 15:08	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.11.2020 15:08	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.11.2020 15:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	12.11.2020 15:08	
1,4-Difluorobenzene	540-36-3	99	%	70-130	12.11.2020 15:08	

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Candie 001

Sample Id:	**S-1 5'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-003	Date Collected:	12.09.2020 12:40		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 14:06	% Moisture:	
Seq Number:	3144747			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**587**	9.96	mg/kg	12.11.2020 18:11		1

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Candie 001

Sample Id:	**S-1 10'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-004	Date Collected:	12.09.2020 12:45		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 14:06	% Moisture:	
Seq Number:	3144747			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1020**	50.0	mg/kg	12.11.2020 18:16		5

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Candie 001

Sample Id:	**S-1 15'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-005	Date Collected:	12.09.2020 12:50		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.16.2020 18:02	% Moisture:	
Seq Number:	3145220			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**583**	49.6	mg/kg	12.17.2020 12:18		5

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Candie 001

Sample Id: **S-7 1'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-006 Date Collected: 12.09.2020 13:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 14:06 % Moisture:

Seq Number: 3144747 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3470**	49.9	mg/kg	12.11.2020 18:21		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 12.11.2020 17:56 % Moisture:

Seq Number: 3144731 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.12.2020 00:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.12.2020 00:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.12.2020 00:59	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.12.2020 00:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	12.12.2020 00:59	
o-Terphenyl	84-15-1	110	%	70-135	12.12.2020 00:59	

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Candie 001

Sample Id:	**S-7 1'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-006	Date Collected:	12.09.2020 13:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 11:03	% Moisture:	
Seq Number:	3144684			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.11.2020 15:30	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.11.2020 15:30	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.11.2020 15:30	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.11.2020 15:30	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.11.2020 15:30	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.11.2020 15:30	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.11.2020 15:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	12.11.2020 15:30	
1,4-Difluorobenzene	540-36-3	100	%	70-130	12.11.2020 15:30	

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Candie 001

Sample Id: **S-7 3'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-007 Date Collected: 12.09.2020 13:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 14:06 % Moisture:

Seq Number: 3144747 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1870**	49.8	mg/kg	12.11.2020 18:36		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 12.11.2020 17:56 % Moisture:

Seq Number: 3144731 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	12.12.2020 01:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	12.12.2020 01:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	12.12.2020 01:19	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	12.12.2020 01:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	12.12.2020 01:19	
o-Terphenyl	84-15-1	105	%	70-135	12.12.2020 01:19	

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Candie 001

Sample Id:	**S-7 3'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-007	Date Collected:	12.09.2020 13:05		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 11:03	% Moisture:	
Seq Number:	3144684			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.11.2020 15:53	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.11.2020 15:53	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.11.2020 15:53	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.11.2020 15:53	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.11.2020 15:53	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.11.2020 15:53	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.11.2020 15:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	12.11.2020 15:53	
1,4-Difluorobenzene	540-36-3	99	%	70-130	12.11.2020 15:53	

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Candie 001

Sample Id: **S-7 5'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-008 Date Collected: 12.09.2020 13:10

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 14:06 % Moisture:

Seq Number: 3144747 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1190**	49.9	mg/kg	12.11.2020 18:41		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 12.11.2020 17:56 % Moisture:

Seq Number: 3144731 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	12.12.2020 01:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	12.12.2020 01:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	12.12.2020 01:39	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	12.12.2020 01:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	12.12.2020 01:39	
o-Terphenyl	84-15-1	112	%	70-135	12.12.2020 01:39	

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Candie 001

Sample Id: **S-7 10'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-009 Date Collected: 12.09.2020 13:15

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 14:06 % Moisture:

Seq Number: 3144747 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**155**	9.92	mg/kg	12.11.2020 18:46		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 12.11.2020 17:56 % Moisture:

Seq Number: 3144731 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	12.12.2020 01:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	12.12.2020 01:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	12.12.2020 01:59	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	12.12.2020 01:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	12.12.2020 01:59	
o-Terphenyl	84-15-1	101	%	70-135	12.12.2020 01:59	

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Candie 001

Sample Id: **S-6 1'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-012 Date Collected: 12.09.2020 13:40

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 14:06 % Moisture:

Seq Number: 3144747 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**20200**	49.6	mg/kg	12.11.2020 18:52		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 12.11.2020 17:56 % Moisture:

Seq Number: 3144731 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.12.2020 02:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	**573**	49.8	mg/kg	12.12.2020 02:19		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**195**	49.8	mg/kg	12.12.2020 02:19		1
Total TPH	PHC635	**768.0**	49.80	mg/kg	12.12.2020 02:19		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	12.12.2020 02:19	
o-Terphenyl	84-15-1	105	%	70-135	12.12.2020 02:19	

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Candie 001

Sample Id:	**S-6 1'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-012	Date Collected:	12.09.2020 13:40		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 11:03	% Moisture:	
Seq Number:	3144684			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.11.2020 16:15	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.11.2020 16:15	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.11.2020 16:15	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.11.2020 16:15	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.11.2020 16:15	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	12.11.2020 16:15	U	1
Total BTEX		<0.001980	0.001980	mg/kg	12.11.2020 16:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	12.11.2020 16:15	
1,4-Difluorobenzene	540-36-3	91	%	70-130	12.11.2020 16:15	

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Candie 001

Sample Id: **S-6 3'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-013 Date Collected: 12.09.2020 13:45

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 14:06 % Moisture:

Seq Number: 3144747 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1580**	49.5	mg/kg	12.11.2020 18:57		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 12.11.2020 17:56 % Moisture:

Seq Number: 3144731 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	12.12.2020 02:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	12.12.2020 02:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	12.12.2020 02:39	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	12.12.2020 02:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	12.12.2020 02:39	
o-Terphenyl	84-15-1	116	%	70-135	12.12.2020 02:39	

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Candie 001

Sample Id:	**S-6 3'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-013	Date Collected:	12.09.2020 13:45		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 11:03	% Moisture:	
Seq Number:	3144684			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.11.2020 16:38	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.11.2020 16:38	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.11.2020 16:38	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.11.2020 16:38	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.11.2020 16:38	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.11.2020 16:38	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.11.2020 16:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	12.11.2020 16:38	
1,4-Difluorobenzene	540-36-3	99	%	70-130	12.11.2020 16:38	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id: **S-6 5'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-014 Date Collected: 12.09.2020 13:50

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 14:06 % Moisture:

Seq Number: 3144747 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**978**	49.4	mg/kg	12.11.2020 19:02		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 12.11.2020 17:56 % Moisture:

Seq Number: 3144731 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.12.2020 02:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.12.2020 02:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.12.2020 02:59	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	12.12.2020 02:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	12.12.2020 02:59	
o-Terphenyl	84-15-1	110	%	70-135	12.12.2020 02:59	

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Certificate of Analytical Results 680582

Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id: **S-6 10'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-015 Date Collected: 12.09.2020 13:55

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 14:06 % Moisture:

Seq Number: 3144747 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**674**	49.9	mg/kg	12.11.2020 19:17		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 12.11.2020 17:56 % Moisture:

Seq Number: 3144731 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	12.12.2020 03:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	12.12.2020 03:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	12.12.2020 03:19	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	12.12.2020 03:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	12.12.2020 03:19	
o-Terphenyl	84-15-1	107	%	70-135	12.12.2020 03:19	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-6 15'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-016	Date Collected:	12.09.2020 14:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.16.2020 18:02	% Moisture:	
Seq Number:	3145220			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**417**	50.2	mg/kg	12.17.2020 12:24		5

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id: **S-5 1'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-018 Date Collected: 12.09.2020 14:15

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 14:06 % Moisture:

Seq Number: 3144747 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**374**	9.92	mg/kg	12.11.2020 19:22		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: MAB

Analyst: CAC Date Prep: 12.11.2020 17:56 % Moisture:

Seq Number: 3144731 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	12.12.2020 03:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	12.12.2020 03:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	12.12.2020 03:59	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	12.12.2020 03:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	12.12.2020 03:59	
o-Terphenyl	84-15-1	110	%	70-135	12.12.2020 03:59	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-5 1'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-018	Date Collected:	12.09.2020 14:15		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 11:03	% Moisture:	
Seq Number:	3144684			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.11.2020 17:00	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.11.2020 17:00	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.11.2020 17:00	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	12.11.2020 17:00	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.11.2020 17:00	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	12.11.2020 17:00	U	1
Total BTEX		<0.002020	0.002020	mg/kg	12.11.2020 17:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	12.11.2020 17:00	
4-Bromofluorobenzene	460-00-4	89	%	70-130	12.11.2020 17:00	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id: **S-5 3'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-019 Date Collected: 12.09.2020 14:20

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 14:06 % Moisture:

Seq Number: 3144747 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**158**	9.98	mg/kg	12.11.2020 19:37		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 12.10.2020 17:00 % Moisture:

Seq Number: 3144742 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.11.2020 19:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.11.2020 19:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.11.2020 19:15	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.11.2020 19:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	12.11.2020 19:15	
o-Terphenyl	84-15-1	105	%	70-135	12.11.2020 19:15	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-5 3'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-019	Date Collected:	12.09.2020 14:20		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 11:03	% Moisture:	
Seq Number:	3144684			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.11.2020 17:23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.11.2020 17:23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.11.2020 17:23	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.11.2020 17:23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.11.2020 17:23	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.11.2020 17:23	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.11.2020 17:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	12.11.2020 17:23	
1,4-Difluorobenzene	540-36-3	97	%	70-130	12.11.2020 17:23	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-5 5'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-020	Date Collected:	12.09.2020 14:25		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 14:06	% Moisture:	
Seq Number:	3144747			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**81.0**	49.8	mg/kg	12.11.2020 19:42		5

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-5 10'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-021	Date Collected:	12.09.2020 14:30		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 14:06	% Moisture:	
Seq Number:	3144747			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**688**	49.8	mg/kg	12.11.2020 19:47		5

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-5 15'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-022	Date Collected:	12.09.2020 14:35		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.16.2020 18:02	% Moisture:	
Seq Number:	3145220			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**355**	50.1	mg/kg	12.17.2020 12:30		5

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-2 1'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-023	Date Collected:	12.10.2020 08:50		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 14:06	% Moisture:	
Seq Number:	3144747			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**884**	9.98	mg/kg	12.11.2020 19:53		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	12.10.2020 17:00	% Moisture:	
Seq Number:	3144742			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	12.11.2020 19:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	12.11.2020 19:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	12.11.2020 19:36	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	12.11.2020 19:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	12.11.2020 19:36	
o-Terphenyl	84-15-1	101	%	70-135	12.11.2020 19:36	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-2 1'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-023	Date Collected:	12.10.2020 08:50		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 11:03	% Moisture:	
Seq Number:	3144684			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.11.2020 17:45	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.11.2020 17:45	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.11.2020 17:45	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	12.11.2020 17:45	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.11.2020 17:45	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	12.11.2020 17:45	U	1
Total BTEX		<0.002020	0.002020	mg/kg	12.11.2020 17:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	12.11.2020 17:45	
4-Bromofluorobenzene	460-00-4	93	%	70-130	12.11.2020 17:45	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id: **S-2 3'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-024 Date Collected: 12.10.2020 08:55

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 14:06 % Moisture:

Seq Number: 3144747 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**568**	9.96	mg/kg	12.11.2020 19:58		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 12.10.2020 17:00 % Moisture:

Seq Number: 3144742 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	12.11.2020 19:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	12.11.2020 19:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	12.11.2020 19:56	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	12.11.2020 19:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	12.11.2020 19:56	
o-Terphenyl	84-15-1	101	%	70-135	12.11.2020 19:56	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-2 3'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-024	Date Collected:	12.10.2020 08:55		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 11:03	% Moisture:	
Seq Number:	3144684			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.11.2020 18:07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.11.2020 18:07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.11.2020 18:07	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.11.2020 18:07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.11.2020 18:07	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.11.2020 18:07	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.11.2020 18:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	12.11.2020 18:07	
1,4-Difluorobenzene	540-36-3	99	%	70-130	12.11.2020 18:07	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-2 5'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-025	Date Collected:	12.10.2020 09:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 14:06	% Moisture:	
Seq Number:	3144747			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**75.0**	49.9	mg/kg	12.11.2020 20:03		5

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-2 10'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-026	Date Collected:	12.10.2020 09:05		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 14:06	% Moisture:	
Seq Number:	3144747			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**515**	50.0	mg/kg	12.11.2020 20:08		5

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id: **S-3 1'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-028 Date Collected: 12.10.2020 09:20

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 16:10 % Moisture:

Seq Number: 3144748 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**471**	9.92	mg/kg	12.11.2020 20:38		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 12.10.2020 17:00 % Moisture:

Seq Number: 3144742 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	12.11.2020 20:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	12.11.2020 20:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	12.11.2020 20:16	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	12.11.2020 20:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	12.11.2020 20:16	
o-Terphenyl	84-15-1	113	%	70-135	12.11.2020 20:16	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-3 1'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-028	Date Collected:	12.10.2020 09:20		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 11:03	% Moisture:	
Seq Number:	3144684			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.11.2020 19:25	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.11.2020 19:25	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.11.2020 19:25	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.11.2020 19:25	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.11.2020 19:25	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	12.11.2020 19:25	U	1
Total BTEX		<0.001980	0.001980	mg/kg	12.11.2020 19:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	12.11.2020 19:25	
4-Bromofluorobenzene	460-00-4	86	%	70-130	12.11.2020 19:25	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id: **S-3 3'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-029 Date Collected: 12.10.2020 09:25

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 16:10 % Moisture:

Seq Number: 3144748 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**491**	10.1	mg/kg	12.11.2020 20:53		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 12.10.2020 17:00 % Moisture:

Seq Number: 3144742 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	12.11.2020 20:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	12.11.2020 20:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	12.11.2020 20:37	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	12.11.2020 20:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	12.11.2020 20:37	
o-Terphenyl	84-15-1	95	%	70-135	12.11.2020 20:37	

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Certificate of Analytical Results 680582

Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-3 3'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-029	Date Collected:	12.10.2020 09:25		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 11:03	% Moisture:	
Seq Number:	3144684			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.11.2020 19:48	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.11.2020 19:48	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.11.2020 19:48	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.11.2020 19:48	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.11.2020 19:48	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.11.2020 19:48	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.11.2020 19:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	12.11.2020 19:48	
1,4-Difluorobenzene	540-36-3	100	%	70-130	12.11.2020 19:48	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-3 5'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-030	Date Collected:	12.10.2020 09:30		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 16:10	% Moisture:	
Seq Number:	3144748			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**863**	50.4	mg/kg	12.11.2020 20:59		5

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-3 10'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-031	Date Collected:	12.10.2020 09:35		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 16:10	% Moisture:	
Seq Number:	3144748			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2610**	49.9	mg/kg	12.11.2020 21:04		5

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-3 15'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-032	Date Collected:	12.10.2020 09:40		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.16.2020 18:02	% Moisture:	
Seq Number:	3145220			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**388**	50.4	mg/kg	12.17.2020 12:35		5

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id: **S-4 1'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-033 Date Collected: 12.10.2020 09:50

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 16:10 % Moisture:

Seq Number: 3144748 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**493**	49.8	mg/kg	12.11.2020 21:09		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 12.10.2020 17:00 % Moisture:

Seq Number: 3144742 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	12.11.2020 20:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	12.11.2020 20:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	12.11.2020 20:57	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	12.11.2020 20:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	12.11.2020 20:57	
o-Terphenyl	84-15-1	100	%	70-135	12.11.2020 20:57	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-4 1'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-033	Date Collected:	12.10.2020 09:50		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 11:03	% Moisture:	
Seq Number:	3144684			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.11.2020 20:10	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.11.2020 20:10	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.11.2020 20:10	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.11.2020 20:10	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.11.2020 20:10	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.11.2020 20:10	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.11.2020 20:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	12.11.2020 20:10	
4-Bromofluorobenzene	460-00-4	89	%	70-130	12.11.2020 20:10	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id: **S-4 3'** Matrix: Soil Date Received:12.10.2020 10:35

Lab Sample Id: 680582-034 Date Collected: 12.10.2020 09:55

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 12.11.2020 16:10 % Moisture:

Seq Number: 3144748 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**342**	9.98	mg/kg	12.11.2020 21:24		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 12.10.2020 17:00 % Moisture:

Seq Number: 3144742 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	12.11.2020 21:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	12.11.2020 21:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	12.11.2020 21:17	U	1
Total TPH	PHC635	<50.20	50.20	mg/kg	12.11.2020 21:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	12.11.2020 21:17	
o-Terphenyl	84-15-1	113	%	70-135	12.11.2020 21:17	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-4 3'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-034	Date Collected:	12.10.2020 09:55		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 11:03	% Moisture:	
Seq Number:	3144684			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.11.2020 20:32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.11.2020 20:32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.11.2020 20:32	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.11.2020 20:32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.11.2020 20:32	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.11.2020 20:32	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.11.2020 20:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	12.11.2020 20:32	
1,4-Difluorobenzene	540-36-3	98	%	70-130	12.11.2020 20:32	

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-4 5'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-035	Date Collected:	12.10.2020 10:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 16:10	% Moisture:	
Seq Number:	3144748			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**359**	9.92	mg/kg	12.11.2020 21:29		1

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-4 10'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-036	Date Collected:	12.10.2020 10:05		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.11.2020 16:10	% Moisture:	
Seq Number:	3144748			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1030**	49.9	mg/kg	12.11.2020 21:34		5

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Larson and Associates, Inc., Midland, TX

Candie 001

Sample Id:	**S-4 15'**	Matrix:	Soil	Date Received:	12.10.2020 10:35
Lab Sample Id:	680582-037	Date Collected:	12.10.2020 10:10		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.16.2020 18:02	% Moisture:	
Seq Number:	3145220			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**223**	50.1	mg/kg	12.17.2020 12:41		5

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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QC Summary 680582

Larson and Associates, Inc.

Candie 001

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3144747 — Matrix: Solid — Date Prep: 12.11.2020
MB Sample Id: 7716930-1-BLK — LCS Sample Id: 7716930-1-BKS — LCSD Sample Id: 7716930-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	245	98	246	98	90-110	0	20	mg/kg	12.11.2020 17:40	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3144748 — Matrix: Solid — Date Prep: 12.11.2020
MB Sample Id: 7716953-1-BLK — LCS Sample Id: 7716953-1-BKS — LCSD Sample Id: 7716953-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	243	97	246	98	90-110	1	20	mg/kg	12.11.2020 20:28	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3145220 — Matrix: Solid — Date Prep: 12.16.2020
MB Sample Id: 7717322-1-BLK — LCS Sample Id: 7717322-1-BKS — LCSD Sample Id: 7717322-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	249	100	249	100	90-110	0	20	mg/kg	12.17.2020 09:35	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3144747 — Matrix: Soil — Date Prep: 12.11.2020
Parent Sample Id: 680582-001 — MS Sample Id: 680582-001 S — MSD Sample Id: 680582-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	355	199	543	94	539	92	90-110	1	20	mg/kg	12.11.2020 17:55	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3144747 — Matrix: Soil — Date Prep: 12.11.2020
Parent Sample Id: 680582-014 — MS Sample Id: 680582-014 S — MSD Sample Id: 680582-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	978	203	1160	90	1160	90	90-110	0	20	mg/kg	12.11.2020 19:07	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3144748 — Matrix: Soil — Date Prep: 12.11.2020
Parent Sample Id: 680582-028 — MS Sample Id: 680582-028 S — MSD Sample Id: 680582-028 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	471	202	655	91	657	93	90-110	0	20	mg/kg	12.11.2020 20:43	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 680582

Larson and Associates, Inc.

Candie 001

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3144748 — Matrix: Soil — Date Prep: 12.11.2020
Parent Sample Id: 680628-003 — MS Sample Id: 680628-003 S — MSD Sample Id: 680628-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	5190	248	5440	101	5440	101	90-110	0	20	mg/kg	12.11.2020 21:54	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3145220 — Matrix: Soil — Date Prep: 12.16.2020
Parent Sample Id: 681437-041 — MS Sample Id: 681437-041 S — MSD Sample Id: 681437-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1010	202	1200	94	1200	94	90-110	0	20	mg/kg	12.17.2020 09:53	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3145220 — Matrix: Soil — Date Prep: 12.16.2020
Parent Sample Id: 681437-051 — MS Sample Id: 681437-051 S — MSD Sample Id: 681437-051 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	143	200	354	106	354	106	90-110	0	20	mg/kg	12.17.2020 11:16	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3144742 — Matrix: Solid — Date Prep: 12.10.2020
MB Sample Id: 7716876-1-BLK — LCS Sample Id: 7716876-1-BKS — LCSD Sample Id: 7716876-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1070	107	1040	104	70-135	3	35	mg/kg	12.11.2020 13:49	
Diesel Range Organics (DRO)	<50.0	1000	1020	102	1050	105	70-135	3	35	mg/kg	12.11.2020 13:49	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	97		98		108		70-135	%	12.11.2020 13:49
o-Terphenyl	93		107		108		70-135	%	12.11.2020 13:49

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3144731 — Matrix: Solid — Date Prep: 12.11.2020
MB Sample Id: 7716950-1-BLK — LCS Sample Id: 7716950-1-BKS — LCSD Sample Id: 7716950-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	922	92	913	91	70-135	1	35	mg/kg	12.11.2020 22:58	
Diesel Range Organics (DRO)	<50.0	1000	996	100	1120	112	70-135	12	35	mg/kg	12.11.2020 22:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		100		126		70-135	%	12.11.2020 22:58
o-Terphenyl	94		107		118		70-135	%	12.11.2020 22:58

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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QC Summary 680582

Larson and Associates, Inc.

Candie 001

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3144742 Matrix: Solid Date Prep: 12.10.2020
MB Sample Id: 7716876-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	12.11.2020 13:29	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3144731 Matrix: Solid Date Prep: 12.11.2020
MB Sample Id: 7716950-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	12.11.2020 22:38	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3144742 Matrix: Soil Date Prep: 12.10.2020
Parent Sample Id: 680487-001 MS Sample Id: 680487-001 S MSD Sample Id: 680487-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.8	995	1130	114	1050	105	70-135	7	35	mg/kg	12.11.2020 14:51	
Diesel Range Organics (DRO)	<49.8	995	994	100	964	97	70-135	3	35	mg/kg	12.11.2020 14:51	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	105		115		70-135	%	12.11.2020 14:51
o-Terphenyl	115		118		70-135	%	12.11.2020 14:51

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3144731 Matrix: Soil Date Prep: 12.11.2020
Parent Sample Id: 680582-001 MS Sample Id: 680582-001 S MSD Sample Id: 680582-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	999	1040	104	1110	111	70-135	7	35	mg/kg	12.11.2020 23:58	
Diesel Range Organics (DRO)	<50.0	999	1140	114	998	100	70-135	13	35	mg/kg	12.11.2020 23:58	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		111		70-135	%	12.11.2020 23:58
o-Terphenyl	108		116		70-135	%	12.11.2020 23:58

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

eurofins | Environment Testing Xenco

QC Summary 680582

Larson and Associates, Inc.

Candie 001

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3144684 Matrix: Solid Date Prep: 12.11.2020

MB Sample Id: 7716918-1-BLK LCS Sample Id: 7716918-1-BKS LCSD Sample Id: 7716918-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.100	100	0.0939	94	70-130	6	35	mg/kg	12.11.2020 12:43	
Toluene	<0.00200	0.100	0.0970	97	0.0945	95	70-130	3	35	mg/kg	12.11.2020 12:43	
Ethylbenzene	<0.00200	0.100	0.0898	90	0.0874	87	71-129	3	35	mg/kg	12.11.2020 12:43	
m,p-Xylenes	<0.00400	0.200	0.183	92	0.179	90	70-135	2	35	mg/kg	12.11.2020 12:43	
o-Xylene	<0.00200	0.100	0.0901	90	0.0875	88	71-133	3	35	mg/kg	12.11.2020 12:43	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		96		93		70-130	%	12.11.2020 12:43
4-Bromofluorobenzene	77		84		87		70-130	%	12.11.2020 12:43

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3144684 Matrix: Soil Date Prep: 12.11.2020

Parent Sample Id: 680582-001 MS Sample Id: 680582-001 S MSD Sample Id: 680582-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.130	129	0.126	125	70-130	3	35	mg/kg	12.11.2020 13:28	
Toluene	<0.00201	0.101	0.124	123	0.119	118	70-130	4	35	mg/kg	12.11.2020 13:28	
Ethylbenzene	<0.00201	0.101	0.116	115	0.104	103	71-129	11	35	mg/kg	12.11.2020 13:28	
m,p-Xylenes	<0.00402	0.201	0.230	114	0.211	105	70-135	9	35	mg/kg	12.11.2020 13:28	
o-Xylene	<0.00201	0.101	0.117	116	0.105	104	71-133	11	35	mg/kg	12.11.2020 13:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		94		70-130	%	12.11.2020 13:28
4-Bromofluorobenzene	85		89		70-130	%	12.11.2020 13:28

MS/MSD Percent Recovery	[D] = 100*(C-A) / B	LCS = Laboratory Control Sample	MS = Matrix Spike
Relative Percent Difference	RPD = 200* | (C-E) / (C+E) |	A = Parent Result	B = Spike Added
LCS/LCSD Recovery	[D] = 100 * (C) / [B]	C = MS/LCS Result	D = MSD/LCSD % Rec
Log Difference	Log Diff. = Log(Sample Duplicate) - Log(Original Sample)	E = MSD/LCSD Result	

680582 №1431

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 12/10/20 PAGE 1 OF 3
PO#: LAB WORK ORDER#:
PROJECT LOCATION OR NAME: Candie 001
LAI PROJECT #: 20-0107-22 COLLECTOR: RN+TJ

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	BTEX ☒ MTBE ☐	TRPH 418.1 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TBLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	Hold for further analysis	FIELD NOTES
S-1 1'		12/9/20	1230	S	1				X		X		X	X	X													X		
S-1 3'			1235								X		X	X	X													X		
S-1 5'			1240																									X		
S-1 10'			1245																									X		
S-1 15'			1250																										X	
S-7 1'			1300								X		X	X	X													X		
S-7 3'			1305								X		X	X	X													X		
S-7 5'			1310										X	X	X													X		
S-7 10'			1315										X	X	X													X		
S-7 15'			1320																										X	
S-7 20'			1325																										X	
S-6 1'			1340								X		X	X	X													X		
S-6 3'			1345								X		X	X	X													X		
S-6 5'			1350										X	X	X													X		
S-6 10'			1355										X	X	X													X		

TOTAL 15

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	12/10/20 1035	[signature] 12-10-20 1035
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: Xenco

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 2.4/2.2 THERM#: T-WM-007
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Received by OCD: 8/29/2022 10:13:21 PM

680582 №1432

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 12/10/20 PAGE 2 OF 3
PO#: LAB WORK ORDER#:
PROJECT LOCATION OR NAME: Candie 001
LAI PROJECT #: 20-0112-22 COLLECTOR: RN + TJ

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ❑ NaOH ❑	ICE	UNPRESSERVED	BTEX ☒ MTBE ❑	TRPH 418.1 ❑ TPH 1005 ❑ TPH 1006 ❑	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ❑	SVOC 8270 ❑ PAH 8270 ❑ HOLDPAH ❑	8081 PESTICIDES ❑ 8151 HERBICIDES ❑	8082 PCBS ❑	TBLP - METALS (RCRA) ❑ TCLP VOC ❑	TCLP - PEST ❑ HERB ❑ Semi-VOC ❑	TOTAL METALS (RCRA) ❑ OTHER LIST ❑	LEAD - TOTAL ❑ D.W. 200.8 ❑ TCLP ❑	RCI ❑ TOX ❑ FLASHPOINT ❑	TDS ❑ TSS ❑ % MOISTURE ❑ CYANIDE ❑	pH ❑ HEXAVALENT CHROMIUM ❑	EXPLOSIVES ❑ PECHLORATE ❑	CHLORIDE ☒ ANIONS ❑ ALKALINITY ❑	Hold for further analysis		FIELD NOTES
S-6 15'		12/9/20	1400	S	1				X																				X		
S-6 20'			1405																										X		
S-5 1'			1415								X		X	X	X													X			
S-5 3'			1420								X		X	X	X													X			
S-5 5'			1425																									X			
S-5 10'			1430																									X			
S-5 15'			1435																										X		
S-2 1'		12/10/20	0850								X		X	X	X													X			
S-2 3'			0855								X		X	X	X													X			
S-2 5'			0900																									X			
S-2 10'			0905																									X			
S-2 15'			0910																										X		
S-3 1'			0920								X		X	X	X													X			
S-3 3'			0925								X		X	X	X													X			
S-3 5'			0930																									X			

TOTAL 15

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	12/10/20 1035	[signature] 12-10-20 1035
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: Xenco

TURN AROUND TIME
NORMAL ☒
1 DAY ❑
2 DAY ❑
OTHER ❑

LABORATORY USE ONLY:
RECEIVING TEMP: 2.4/2.2 THERM#: T-NM-007
CUSTODY SEALS - ❑ BROKEN ❑ INTACT ❑ NOT USED
❑ CARRIER BILL #
❑ HAND DELIVERED

Released to Imaging: 3/7/2023 11:52:43 AM

680582 №1433

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 12/10/20 PAGE 3 OF 3
PO#: LAB WORK ORDER#:
PROJECT LOCATION OR NAME: cardic
LAI PROJECT #: 20-0112-22 COLLECTOR: RN+TJ

Data Reported to:

TRRP report? ☐ Yes ☒ No
TIME ZONE: Time zone/State: MST

S=SOIL P=PAINT W=WATER SL=SLUDGE A=AIR OT=OTHER

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TBLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	Hold for further analysis	FIELD NOTES
S-3 10'		12/10/20	0935	S	1				X																				X			
S-3 15'			0940																											X		
S-4 1'			0950								X		X	X	X														X			
S-4 3'			0955								X		X	X	X														X			
S-4 5'			1000																										X			
S-4 10'			1005																										X			
S-4 15'			1010						+																					X		
TOTAL 7																																

RELINQUISHED BY:(Signature) Trey Dan DATE/TIME 12/10/20 1035 RECEIVED BY: (Signature) Cloe Cuttler 12.10.20 1035
RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)
LABORATORY: Xenco

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: THERM#: See Page 1
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Date/ Time Received: 12.10.2020 10.35.00 AM

Work Order #: 680582

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 12.10.2020

Checklist reviewed by: Holly Taylor Date: 12.11.2020

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Candie #001 Backfill

Project Number: 20-0107-22

Location: New Mexico

Lab Order Number: 2H09002

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 08/11/22

Larson & Associates, Inc.	Project:	Candie #001 Backfill
P.O. Box 50685	Project Number:	20-0107-22
Midland TX, 79710	Project Manager:	Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BF-1	2H09002-01	Soil	08/08/22 12:40	08-09-2022 09:25
BF-2	2H09002-02	Soil	08/08/22 12:44	08-09-2022 09:25
BF-3	2H09002-03	Soil	08/08/22 12:50	08-09-2022 09:25

Larson & Associates, Inc.	Project: Candie #001 Backfill
P.O. Box 50685	Project Number: 20-0107-22
Midland TX, 79710	Project Manager: Mark Larson

BF-1

2H09002-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 20:17	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 20:17	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 20:17	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 20:17	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 20:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*35.2 %*	*80-120*		*P2H1015*	*08/10/22 15:32*	*08/10/22 20:17*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*94.7 %*	*80-120*		*P2H1015*	*08/10/22 15:32*	*08/10/22 20:17*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**25.3**	1.00	mg/kg dry	1	P2H0907	08/09/22 09:50	08/09/22 12:10	EPA 300.0	
% Moisture	ND	0.1	%	1	P2H0912	08/09/22 15:12	08/09/22 15:14	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P2H0904	08/09/22 09:42	08/09/22 13:57	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P2H0904	08/09/22 09:42	08/09/22 13:57	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P2H0904	08/09/22 09:42	08/09/22 13:57	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P2H0904*	*08/09/22 09:42*	*08/09/22 13:57*	*TPH 8015M*	
Surrogate: o-Terphenyl		*95.4 %*	*70-130*		*P2H0904*	*08/09/22 09:42*	*08/09/22 13:57*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	08/09/22 09:42	08/09/22 13:57	calc	

Larson & Associates, Inc.	Project: Candie #001 Backfill
P.O. Box 50685	Project Number: 20-0107-22
Midland TX, 79710	Project Manager: Mark Larson

BF-2

2H09002-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 20:39	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 20:39	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 20:39	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 20:39	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 20:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*119 %*	*80-120*		*P2H1015*	*08/10/22 15:32*	*08/10/22 20:39*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*41.8 %*	*80-120*		*P2H1015*	*08/10/22 15:32*	*08/10/22 20:39*	*EPA 8021B*	*S-GC*
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7.20**	1.01	mg/kg dry	1	P2H0907	08/09/22 09:50	08/09/22 12:25	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P2H0912	08/09/22 15:12	08/09/22 15:14	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P2H0904	08/09/22 09:42	08/09/22 14:20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2H0904	08/09/22 09:42	08/09/22 14:20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2H0904	08/09/22 09:42	08/09/22 14:20	TPH 8015M	
Surrogate: 1-Chlorooctane		*90.7 %*	*70-130*		*P2H0904*	*08/09/22 09:42*	*08/09/22 14:20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*81.8 %*	*70-130*		*P2H0904*	*08/09/22 09:42*	*08/09/22 14:20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	08/09/22 09:42	08/09/22 14:20	calc	

Larson & Associates, Inc.	Project: Candie #001 Backfill
P.O. Box 50685	Project Number: 20-0107-22
Midland TX, 79710	Project Manager: Mark Larson

BF-3

2H09002-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 21:00	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 21:00	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 21:00	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 21:00	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P2H1015	08/10/22 15:32	08/10/22 21:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*34.6 %*	*80-120*		*P2H1015*	*08/10/22 15:32*	*08/10/22 21:00*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*111 %*	*80-120*		*P2H1015*	*08/10/22 15:32*	*08/10/22 21:00*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1.29**	1.01	mg/kg dry	1	P2H0907	08/09/22 09:50	08/09/22 12:39	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P2H0912	08/09/22 15:12	08/09/22 15:14	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P2H0904	08/09/22 09:42	08/09/22 14:42	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2H0904	08/09/22 09:42	08/09/22 14:42	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2H0904	08/09/22 09:42	08/09/22 14:42	TPH 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P2H0904*	*08/09/22 09:42*	*08/09/22 14:42*	*TPH 8015M*	
Surrogate: o-Terphenyl		*106 %*	*70-130*		*P2H0904*	*08/09/22 09:42*	*08/09/22 14:42*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	08/09/22 09:42	08/09/22 14:42	calc	

Larson & Associates, Inc.	Project: Candie #001 Backfill
P.O. Box 50685	Project Number: 20-0107-22
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2H1015 - * DEFAULT PREP *** **										
Blank (P2H1015-BLK1)				Prepared & Analyzed: 08/10/22						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.144*		"	*0.120*		*120*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0944*		"	*0.120*		*78.7*	*80-120*			*S-GC*
LCS (P2H1015-BS1)				Prepared & Analyzed: 08/10/22						
Benzene	0.0932	0.00100	mg/kg	0.100		93.2	80-120			
Toluene	0.0865	0.00100	"	0.100		86.5	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0915	0.00100	"	0.100		91.5	80-120			
Surrogate: 1,4-Difluorobenzene	*0.136*		"	*0.120*		*113*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.5*	*80-120*			
LCS Dup (P2H1015-BSD1)				Prepared & Analyzed: 08/10/22						
Benzene	0.0994	0.00100	mg/kg	0.100		99.4	80-120	6.40	20	
Toluene	0.0930	0.00100	"	0.100		93.0	80-120	7.29	20	
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120	0.991	20	
Xylene (p/m)	0.215	0.00200	"	0.200		107	80-120	3.85	20	
Xylene (o)	0.0974	0.00100	"	0.100		97.4	80-120	6.23	20	
Surrogate: 4-Bromofluorobenzene	*0.104*		"	*0.120*		*86.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.139*		"	*0.120*		*115*	*80-120*			
Calibration Blank (P2H1015-CCB1)				Prepared & Analyzed: 08/10/22						
Benzene	0.160		ug/kg							
Toluene	0.520		"							
Ethylbenzene	0.340		"							
Xylene (p/m)	0.530		"							
Xylene (o)	0.380		"							
Surrogate: 1,4-Difluorobenzene	*0.128*		"	*0.120*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*90.6*	*80-120*			

Larson & Associates, Inc.	Project: Candie #001 Backfill
P.O. Box 50685	Project Number: 20-0107-22
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2H1015 - * DEFAULT PREP *** **										
Calibration Blank (P2H1015-CCB2)				Prepared & Analyzed: 08/10/22						
Benzene	0.00		ug/kg							
Toluene	0.460		"							
Ethylbenzene	0.210		"							
Xylene (p/m)	0.330		"							
Xylene (o)	0.190		"							
Surrogate: 4-Bromofluorobenzene	*0.0461*		*"*	*0.120*		*38.4*	*80-120*			*S-GC1*
Surrogate: 1,4-Difluorobenzene	*0.199*		*"*	*0.120*		*166*	*80-120*			*S-GC1*
Calibration Check (P2H1015-CCV1)				Prepared & Analyzed: 08/10/22						
Benzene	0.103	0.00100	mg/kg	0.102		101	80-120			
Toluene	0.0932	0.00100	"	0.102		91.4	80-120			
Ethylbenzene	0.0975	0.00100	"	0.102		95.6	80-120			
Xylene (p/m)	0.209	0.00200	"	0.204		103	80-120			
Xylene (o)	0.0958	0.00100	"	0.102		93.9	80-120			
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.128*		*"*	*0.120*		*107*	*75-125*			
Calibration Check (P2H1015-CCV2)				Prepared & Analyzed: 08/10/22						
Benzene	0.0914	0.00100	mg/kg	0.102		89.6	80-120			
Toluene	0.0805	0.00100	"	0.102		78.9	80-120			Z7
Ethylbenzene	0.0824	0.00100	"	0.102		80.8	80-120			
Xylene (p/m)	0.189	0.00200	"	0.204		92.9	80-120			
Xylene (o)	0.0862	0.00100	"	0.102		84.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0490*		*"*	*0.120*		*40.9*	*75-125*			*S-GC1*
Surrogate: 1,4-Difluorobenzene	*0.199*		*"*	*0.120*		*166*	*75-125*			*S-GC1*
Calibration Check (P2H1015-CCV3)				Prepared: 08/10/22 Analyzed: 08/11/22						
Benzene	0.0851	0.00100	mg/kg	0.102		83.4	80-120			
Toluene	0.0869	0.00100	"	0.102		85.2	80-120			
Ethylbenzene	0.0804	0.00100	"	0.102		78.8	80-120			Z7
Xylene (p/m)	0.170	0.00200	"	0.204		83.3	80-120			
Xylene (o)	0.0851	0.00100	"	0.102		83.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0264*		*"*	*0.120*		*22.0*	*75-125*			*S-GC1*
Surrogate: 1,4-Difluorobenzene	*0.156*		*"*	*0.120*		*130*	*75-125*			*S-GC1*

Larson & Associates, Inc.	Project: Candie #001 Backfill
P.O. Box 50685	Project Number: 20-0107-22
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2H1015 - * DEFAULT PREP *** **										
Matrix Spike (P2H1015-MS1)	**Source: 2H09013-01**			Prepared: 08/10/22 Analyzed: 08/11/22						
Benzene	0.0844	0.00103	mg/kg dry	0.103	2.91	NR	80-120			QM-05
Toluene	0.176	0.00103	"	0.103	44.6	NR	80-120			QM-05
Ethylbenzene	0.312	0.00103	"	0.103	98.5	NR	80-120			QM-05
Xylene (p/m)	0.286	0.00206	"	0.206	58.3	NR	80-120			QM-05
Xylene (o)	0.126	0.00103	"	0.103	24.3	NR	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.0276*		*"*	*0.124*		*22.3*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.148*		*"*	*0.124*		*119*	*80-120*			
Matrix Spike Dup (P2H1015-MSD1)	**Source: 2H09013-01**			Prepared: 08/10/22 Analyzed: 08/11/22						
Benzene	0.0816	0.00103	mg/kg dry	0.103	2.91	NR	80-120	NR	20	QM-05
Toluene	0.159	0.00103	"	0.103	44.6	NR	80-120	NR	20	QM-05
Ethylbenzene	0.276	0.00103	"	0.103	98.5	NR	80-120	NR	20	QM-05
Xylene (p/m)	0.260	0.00206	"	0.206	58.3	NR	80-120	NR	20	QM-05
Xylene (o)	0.116	0.00103	"	0.103	24.3	NR	80-120	NR	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.0275*		*"*	*0.124*		*22.2*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.148*		*"*	*0.124*		*120*	*80-120*			

Larson & Associates, Inc.	Project: Candie #001 Backfill
P.O. Box 50685	Project Number: 20-0107-22
Midland TX, 79710	Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2H0907 - * DEFAULT PREP *** **										
Blank (P2H0907-BLK1)				Prepared & Analyzed: 08/09/22						
Chloride	ND	1.00	mg/kg							
LCS (P2H0907-BS1)				Prepared & Analyzed: 08/09/22						
Chloride	39.7		mg/kg	40.0		99.2	90-110			
LCS Dup (P2H0907-BSD1)				Prepared & Analyzed: 08/09/22						
Chloride	40.0		mg/kg	40.0		100	90-110	0.876	10	
Calibration Blank (P2H0907-CCB1)				Prepared & Analyzed: 08/09/22						
Chloride	-0.109		mg/kg							
Calibration Blank (P2H0907-CCB2)				Prepared & Analyzed: 08/09/22						
Chloride	-0.124		mg/kg							
Calibration Check (P2H0907-CCV1)				Prepared & Analyzed: 08/09/22						
Chloride	20.1		mg/kg	20.0		100	90-110			
Calibration Check (P2H0907-CCV2)				Prepared & Analyzed: 08/09/22						
Chloride	19.9		mg/kg	20.0		99.4	90-110			
Calibration Check (P2H0907-CCV3)				Prepared & Analyzed: 08/09/22						
Chloride	20.3		mg/kg	20.0		102	90-110			
Matrix Spike (P2H0907-MS1)		**Source: 2H08014-01**		Prepared & Analyzed: 08/09/22						
Chloride	19200	50.5	mg/kg dry	2530	16900	89.9	80-120			
Matrix Spike (P2H0907-MS2)		**Source: 2H04014-01**		Prepared & Analyzed: 08/09/22						
Chloride	253	1.04	mg/kg dry	260	5.22	95.2	80-120			

Larson & Associates, Inc.	Project: Candie #001 Backfill
P.O. Box 50685	Project Number: 20-0107-22
Midland TX, 79710	Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2H0907 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2H0907-MSD1)		**Source: 2H08014-01**		Prepared & Analyzed: 08/09/22						
Chloride	19200	50.5	mg/kg dry	2530	16900	89.3	80-120	0.0816	20	
Matrix Spike Dup (P2H0907-MSD2)		**Source: 2H04014-01**		Prepared & Analyzed: 08/09/22						
Chloride	265	1.04	mg/kg dry	260	5.22	99.8	80-120	4.66	20	
Batch P2H0912 - * DEFAULT PREP *** **										
Blank (P2H0912-BLK1)				Prepared & Analyzed: 08/09/22						
% Moisture	ND	0.1	%							
Duplicate (P2H0912-DUP1)		**Source: 2H09003-01**		Prepared & Analyzed: 08/09/22						
% Moisture	3.0	0.1	%		3.0			0.00	20	

Larson & Associates, Inc.	Project: Candie #001 Backfill
P.O. Box 50685	Project Number: 20-0107-22
Midland TX, 79710	Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2H0904 - TX 1005										
Blank (P2H0904-BLK1)				Prepared & Analyzed: 08/09/22						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*111*		*"*	*100*		*111*	*70-130*			
Surrogate: o-Terphenyl	*59.8*		*"*	*50.0*		*120*	*70-130*			
LCS (P2H0904-BS1)				Prepared & Analyzed: 08/09/22						
C6-C12	995	25.0	mg/kg	1000		99.5	75-125			
>C12-C28	950	25.0	"	1000		95.0	75-125			
Surrogate: 1-Chlorooctane	*111*		*"*	*100*		*111*	*70-130*			
Surrogate: o-Terphenyl	*57.2*		*"*	*50.0*		*114*	*70-130*			
LCS Dup (P2H0904-BSD1)				Prepared & Analyzed: 08/09/22						
C6-C12	981	25.0	mg/kg	1000		98.1	75-125	1.40	20	
>C12-C28	977	25.0	"	1000		97.7	75-125	2.80	20	
Surrogate: 1-Chlorooctane	*113*		*"*	*100*		*113*	*70-130*			
Surrogate: o-Terphenyl	*63.8*		*"*	*50.0*		*128*	*70-130*			
Calibration Check (P2H0904-CCV1)				Prepared & Analyzed: 08/09/22						
C6-C12	478	25.0	mg/kg	500		95.6	85-115			
>C12-C28	510	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	*128*		*"*	*100*		*128*	*70-130*			
Surrogate: o-Terphenyl	*61.6*		*"*	*50.0*		*123*	*70-130*			
Calibration Check (P2H0904-CCV2)				Prepared & Analyzed: 08/09/22						
C6-C12	486	25.0	mg/kg	500		97.2	85-115			
>C12-C28	506	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	*127*		*"*	*100*		*127*	*70-130*			
Surrogate: o-Terphenyl	*59.8*		*"*	*50.0*		*120*	*70-130*			

Larson & Associates, Inc.	Project: Candie #001 Backfill
P.O. Box 50685	Project Number: 20-0107-22
Midland TX, 79710	Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2H0904 - TX 1005										
Matrix Spike (P2H0904-MS1)	**Source: 2H09002-01**			Prepared & Analyzed: 08/09/22						
C6-C12	948	25.0	mg/kg dry	1000	10.2	93.8	75-125			
>C12-C28	919	25.0	"	1000	10.1	90.9	75-125			
Surrogate: 1-Chlorooctane	*106*		*"*	*100*		*106*	*70-130*			
Surrogate: o-Terphenyl	*50.2*		*"*	*50.0*		*100*	*70-130*			
Matrix Spike Dup (P2H0904-MSD1)	**Source: 2H09002-01**			Prepared & Analyzed: 08/09/22						
C6-C12	947	25.0	mg/kg dry	1000	10.2	93.7	75-125	0.110	20	
>C12-C28	917	25.0	"	1000	10.1	90.7	75-125	0.232	20	
Surrogate: 1-Chlorooctane	*102*		*"*	*100*		*102*	*70-130*			
Surrogate: o-Terphenyl	*49.9*		*"*	*50.0*		*99.8*	*70-130*			

Larson & Associates, Inc.	Project: Candie #001 Backfill
P.O. Box 50685	Project Number: 20-0107-22
Midland TX, 79710	Project Manager: Mark Larson

Notes and Definitions

Z7	CCV recovery was outside the recommended acceptance limits due to spiking error. QC batch accepted based on LCS/LCSD recoveries and RPD.
S-GC1	Surrogate recovery outside of control limits. A second analysis confirmed the original results..
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 8/11/2022

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.	Project: Candie #001 Backfill
P.O. Box 50685	Project Number: 20-0107-22
Midland TX, 79710	Project Manager: Mark Larson

C: NEW: NM

No. 2593

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 202
Midland, TX 79701
432-687-0901

DATE: 8/9/2022 PAGE 1 OF 1

PO#: LAB WORK ORDER#: 2H09002

PROJECT LOCATION OR NAME: Candie #001 Backfill

LAI PROJECT #: 20-0107-22 COLLECTOR: PM

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MT/AZ/NM

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ❑ NaOH ❑ | ICE | UNPRESSERVED

ANALYSES: BTEX ☑ MTBE ❑ | TRPH 418.1 ❑ | TPH 1005 ❑ TPH 1006 ❑ | GASOLINE MOD 8015 ☑ | DIESEL - MOD 8015 ☑ | OIL - MOD 8015 ❑ | VOC 8260 ❑ | SVOC 8270 ❑ PAH 8270 ❑ HOLDPAH ❑ | 8081 PESTICIDES ❑ 8151 HERBICIDES ❑ | 8082 PCBS ❑ | TCLP - METALS (RCRA) ❑ TCLP VOC ❑ | TCLP - PEST ❑ HERB ❑ Semi-VOC ❑ | TOTAL METALS (RCRA) ❑ OTHER LIST ❑ | LEAD - TOTAL ❑ D.W. 200.8 ❑ TCLP ❑ | RCI ❑ TOX ❑ FLASHPOINT ❑ | TDS ❑ TSS ❑ % MOISTURE ❑ CYANIDE ❑ | pH ❑ HEXAVALENT CHROMIUM ❑ | EXPLOSIVES ❑ PECHLORATE ❑ | CHLORIDES ☑ ANIONS ❑ ALKALINITY ❑

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	BTEX	TRPH	GRO	DRO	ORO	CHLORIDES	FIELD NOTES
BF-1	1	8/8/22	12:40	S	1				✓		✓		✓	✓	✓	✓	
BF-2	2	8/8/22	12:44	S	1				✓		✓		✓	✓	✓	✓	
BF-3	3	8/8/22	12:50	S	1				✓		✓		✓	✓	✓	✓	
TOTAL																	

RELINQUISHED BY:(Signature) DATE/TIME 8/9/22 0925 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

LABORATORY: PBEL

TURN AROUND TIME
NORMAL ☑
1 DAY ☑ Rush!
2 DAY ❑
OTHER ❑ Same Day

LABORATORY USE ONLY:
RECEIVING TEMP: -1.9 1.0 THERM#: CFH #1
CUSTODY SEALS - ❑ BROKEN ❑ INTACT ❑ NOT USED
❑ CARRIER BILL #
❑ HAND DELIVERED

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-16754-1
Laboratory Sample Delivery Group: 2590, 2591, 2592
Client Project/Site: Candie #001

For:
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Attn: Mr. Mark J Larson

Authorized for release by:
7/18/2022 8:41:18 PM
Chad Bechtold, Project Manager
(813)690-3563
Chad.Bechtold@et.eurofinsus.com

Designee for

Holly Taylor, Project Manager
(806)794-1296
Holly.Taylor@et.eurofinsus.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Laboratory Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-16754-1
Project/Site: Candie #001 SDG: 2590, 2591, 2592

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Job ID: 880-16754-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-16754-1

Receipt
The samples were received on 7/11/2022 1:01 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-29507 and analytical batch 880-29497 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29507 and analytical batch 880-29497 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-18 (880-16754-18), (880-16754-A-17-C MS) and (880-16754-A-17-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-29508 and analytical batch 880-29499 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C-26 (880-16754-26). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C-30 (880-16754-30). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-29563 and analytical batch 880-29603 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29572 and analytical batch 880-29761 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-1

Date Collected: 07/07/22 12:00
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 18:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 18:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 18:37	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/14/22 10:40	07/15/22 18:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 18:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/14/22 10:40	07/15/22 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/14/22 10:40*	*07/15/22 18:37*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/14/22 10:40*	*07/15/22 18:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:38	07/12/22 16:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:38	07/12/22 16:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:38	07/12/22 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*07/12/22 08:38*	*07/12/22 16:23*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*07/12/22 08:38*	*07/12/22 16:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**387**		5.04		mg/Kg			07/14/22 22:43	1

Client Sample ID: C-2

Date Collected: 07/07/22 12:02
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-2

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/15/22 18:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/15/22 18:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/15/22 18:57	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		07/14/22 10:40	07/15/22 18:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/15/22 18:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/14/22 10:40	07/15/22 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/14/22 10:40*	*07/15/22 18:57*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/14/22 10:40*	*07/15/22 18:57*	*1*

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16754-1
Project/Site: Candie #001 SDG: 2590, 2591, 2592

Client Sample ID: C-2 Lab Sample ID: 880-16754-2

Date Collected: 07/07/22 12:02 **Matrix: Solid**
Date Received: 07/11/22 13:01

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:38	07/12/22 16:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:38	07/12/22 16:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:38	07/12/22 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*07/12/22 08:38*	*07/12/22 16:46*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*07/12/22 08:38*	*07/12/22 16:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**318**		4.96		mg/Kg			07/14/22 23:10	1

Client Sample ID: C-3 Lab Sample ID: 880-16754-3

Date Collected: 07/07/22 12:04 **Matrix: Solid**
Date Received: 07/11/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:40	07/15/22 19:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:40	07/15/22 19:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:40	07/15/22 19:18	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		07/14/22 10:40	07/15/22 19:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:40	07/15/22 19:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/14/22 10:40	07/15/22 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/14/22 10:40*	*07/15/22 19:18*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/14/22 10:40*	*07/15/22 19:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9		mg/Kg		07/12/22 08:43	07/12/22 10:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		07/12/22 08:43	07/12/22 10:54	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16754-1
Project/Site: Candie #001 SDG: 2590, 2591, 2592

Client Sample ID: C-3 Lab Sample ID: 880-16754-3

Date Collected: 07/07/22 12:04 **Matrix: Solid**
Date Received: 07/11/22 13:01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 10:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*07/12/22 08:43*	*07/12/22 10:54*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*07/12/22 08:43*	*07/12/22 10:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**415**		24.8		mg/Kg			07/14/22 23:20	5

Client Sample ID: C-4 Lab Sample ID: 880-16754-4

Date Collected: 07/07/22 12:06 **Matrix: Solid**
Date Received: 07/11/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 19:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 19:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 19:38	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		07/14/22 10:40	07/15/22 19:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 19:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/14/22 10:40	07/15/22 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/14/22 10:40*	*07/15/22 19:38*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/14/22 10:40*	*07/15/22 19:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 11:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 11:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*07/12/22 08:43*	*07/12/22 11:58*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*07/12/22 08:43*	*07/12/22 11:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**386**		25.0		mg/Kg			07/14/22 23:47	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-5

Date Collected: 07/07/22 12:08
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-5
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:40	07/15/22 19:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:40	07/15/22 19:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:40	07/15/22 19:59	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/14/22 10:40	07/15/22 19:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:40	07/15/22 19:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/14/22 10:40	07/15/22 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*07/14/22 10:40*	*07/15/22 19:59*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/14/22 10:40*	*07/15/22 19:59*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 14:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 14:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*07/12/22 08:43*	*07/12/22 14:30*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*07/12/22 08:43*	*07/12/22 14:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**317**		25.2		mg/Kg			07/14/22 23:56	5

Client Sample ID: C-6

Date Collected: 07/07/22 12:10
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-6
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:40	07/15/22 21:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:40	07/15/22 21:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:40	07/15/22 21:21	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		07/14/22 10:40	07/15/22 21:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:40	07/15/22 21:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/14/22 10:40	07/15/22 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*07/14/22 10:40*	*07/15/22 21:21*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/14/22 10:40*	*07/15/22 21:21*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-6

Date Collected: 07/07/22 12:10
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-6
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 14:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 14:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*07/12/22 08:43*	*07/12/22 14:52*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*07/12/22 08:43*	*07/12/22 14:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**342**		24.8		mg/Kg			07/15/22 00:06	5

Client Sample ID: C-7

Date Collected: 07/07/22 12:12
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-7
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 21:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 21:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 21:42	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		07/14/22 10:40	07/15/22 21:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 21:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/14/22 10:40	07/15/22 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/14/22 10:40*	*07/15/22 21:42*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/14/22 10:40*	*07/15/22 21:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 15:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 15:36	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16754-1
Project/Site: Candie #001 SDG: 2590, 2591, 2592

Client Sample ID: C-7 Lab Sample ID: 880-16754-7

Date Collected: 07/07/22 12:12 **Matrix: Solid**
Date Received: 07/11/22 13:01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*07/12/22 08:43*	*07/12/22 15:36*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*07/12/22 08:43*	*07/12/22 15:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**342**		24.9		mg/Kg			07/15/22 00:15	5

Client Sample ID: C-8 Lab Sample ID: 880-16754-8

Date Collected: 07/07/22 12:14 **Matrix: Solid**
Date Received: 07/11/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:40	07/15/22 22:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:40	07/15/22 22:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:40	07/15/22 22:02	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/14/22 10:40	07/15/22 22:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:40	07/15/22 22:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/14/22 10:40	07/15/22 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/14/22 10:40*	*07/15/22 22:02*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/14/22 10:40*	*07/15/22 22:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 15:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 15:57	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*87*		*70 - 130*	*07/12/22 08:43*	*07/12/22 15:57*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*07/12/22 08:43*	*07/12/22 15:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**235**		5.01		mg/Kg			07/15/22 00:24	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-9

Date Collected: 07/07/22 12:16
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-9
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 22:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 22:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 22:23	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/14/22 10:40	07/15/22 22:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 22:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/14/22 10:40	07/15/22 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/14/22 10:40*	*07/15/22 22:23*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/14/22 10:40*	*07/15/22 22:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 16:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 16:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*07/12/22 08:43*	*07/12/22 16:29*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*07/12/22 08:43*	*07/12/22 16:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**334**		25.1		mg/Kg			07/15/22 00:33	5

Client Sample ID: C-10

Date Collected: 07/07/22 12:18
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-10
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/15/22 22:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/15/22 22:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/15/22 22:43	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		07/14/22 10:40	07/15/22 22:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/15/22 22:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/14/22 10:40	07/15/22 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/14/22 10:40*	*07/15/22 22:43*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/14/22 10:40*	*07/15/22 22:43*	*1*

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-10

Date Collected: 07/07/22 12:18
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-10

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 16:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 16:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*07/12/22 08:43*	*07/12/22 16:50*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*07/12/22 08:43*	*07/12/22 16:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**334**		25.3		mg/Kg			07/15/22 00:43	5

Client Sample ID: C-11

Date Collected: 07/07/22 12:20
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-11

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:40	07/15/22 23:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:40	07/15/22 23:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:40	07/15/22 23:04	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/14/22 10:40	07/15/22 23:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:40	07/15/22 23:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/14/22 10:40	07/15/22 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/14/22 10:40*	*07/15/22 23:04*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/14/22 10:40*	*07/15/22 23:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 17:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 17:12	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-11

Date Collected: 07/07/22 12:20
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-11

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*07/12/22 08:43*	*07/12/22 17:12*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*07/12/22 08:43*	*07/12/22 17:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**428**		5.04		mg/Kg			07/15/22 07:19	1

Client Sample ID: C-12

Date Collected: 07/07/22 12:22
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-12

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 23:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 23:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 23:24	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/14/22 10:40	07/15/22 23:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 23:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/14/22 10:40	07/15/22 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/14/22 10:40*	*07/15/22 23:24*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/14/22 10:40*	*07/15/22 23:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 17:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 17:34	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*86*		*70 - 130*	*07/12/22 08:43*	*07/12/22 17:34*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*07/12/22 08:43*	*07/12/22 17:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**323**		4.96		mg/Kg			07/15/22 07:47	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-13

Date Collected: 07/07/22 12:24
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-13

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/15/22 23:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/15/22 23:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/15/22 23:45	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		07/14/22 10:40	07/15/22 23:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/15/22 23:45	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/14/22 10:40	07/15/22 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/14/22 10:40*	*07/15/22 23:45*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/14/22 10:40*	*07/15/22 23:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**358**		50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 17:55	1
Diesel Range Organics (Over C10-C28)	**358**		50.0		mg/Kg		07/12/22 08:43	07/12/22 17:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*07/12/22 08:43*	*07/12/22 17:55*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*07/12/22 08:43*	*07/12/22 17:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1310**		24.9		mg/Kg			07/15/22 10:14	5

Client Sample ID: C-14

Date Collected: 07/07/22 12:26
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-14

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/16/22 00:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/16/22 00:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/16/22 00:05	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		07/14/22 10:40	07/16/22 00:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:40	07/16/22 00:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/14/22 10:40	07/16/22 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/14/22 10:40*	*07/16/22 00:05*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/14/22 10:40*	*07/16/22 00:05*	*1*

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-14

Date Collected: 07/07/22 12:26
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-14

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 18:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 18:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*116*		*70 - 130*	*07/12/22 08:43*	*07/12/22 18:16*	*1*
o-Terphenyl (Surr)	*123*		*70 - 130*	*07/12/22 08:43*	*07/12/22 18:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**414**		4.97		mg/Kg			07/15/22 08:05	1

Client Sample ID: C-15

Date Collected: 07/07/22 12:28
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-15

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:40	07/16/22 00:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:40	07/16/22 00:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:40	07/16/22 00:26	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/14/22 10:40	07/16/22 00:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:40	07/16/22 00:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/14/22 10:40	07/16/22 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/14/22 10:40*	*07/16/22 00:26*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/14/22 10:40*	*07/16/22 00:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 18:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 18:38	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-15

Date Collected: 07/07/22 12:28
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-15
Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*07/12/22 08:43*	*07/12/22 18:38*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*07/12/22 08:43*	*07/12/22 18:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**386**		4.99		mg/Kg			07/15/22 08:14	1

Client Sample ID: C-16

Date Collected: 07/07/22 12:30
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-16
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:56	07/16/22 03:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:56	07/16/22 03:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:56	07/16/22 03:30	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/14/22 10:56	07/16/22 03:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:56	07/16/22 03:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/14/22 10:56	07/16/22 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*07/14/22 10:56*	*07/16/22 03:30*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/14/22 10:56*	*07/16/22 03:30*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 18:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 18:59	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/22 08:43	07/12/22 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*07/12/22 08:43*	*07/12/22 18:59*	*1*
o-Terphenyl (Surr)	*112*		*70 - 130*	*07/12/22 08:43*	*07/12/22 18:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**333**		5.01		mg/Kg			07/15/22 08:42	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-17

Lab Sample ID: 880-16754-17
Matrix: Solid
Date Collected: 07/07/22 12:32
Date Received: 07/11/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:56	07/16/22 03:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:56	07/16/22 03:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:56	07/16/22 03:51	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		07/14/22 10:56	07/16/22 03:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:56	07/16/22 03:51	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/14/22 10:56	07/16/22 03:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/14/22 10:56*	*07/16/22 03:51*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/14/22 10:56*	*07/16/22 03:51*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 10:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		07/12/22 08:46	07/12/22 10:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 10:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*79*		*70 - 130*	*07/12/22 08:46*	*07/12/22 10:54*	*1*
o-Terphenyl (Surr)	*75*		*70 - 130*	*07/12/22 08:46*	*07/12/22 10:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**372**		5.03		mg/Kg			07/15/22 08:51	1

Client Sample ID: C-18

Lab Sample ID: 880-16754-18
Matrix: Solid
Date Collected: 07/07/22 12:34
Date Received: 07/11/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 04:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 04:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 04:11	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		07/14/22 10:56	07/16/22 04:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 04:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/14/22 10:56	07/16/22 04:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/14/22 10:56*	*07/16/22 04:11*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/14/22 10:56*	*07/16/22 04:11*	*1*

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16754-1
Project/Site: Candie #001 SDG: 2590, 2591, 2592

Client Sample ID: C-18 Lab Sample ID: 880-16754-18

Date Collected: 07/07/22 12:34 **Matrix: Solid**
Date Received: 07/11/22 13:01

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 11:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 11:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*60*	*S1-*	*70 - 130*	*07/12/22 08:46*	*07/12/22 11:58*	*1*
o-Terphenyl (Surr)	*54*	*S1-*	*70 - 130*	*07/12/22 08:46*	*07/12/22 11:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**416**		5.05		mg/Kg			07/15/22 09:01	1

Client Sample ID: C-19 Lab Sample ID: 880-16754-19

Date Collected: 07/07/22 12:36 **Matrix: Solid**
Date Received: 07/11/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:56	07/16/22 04:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:56	07/16/22 04:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:56	07/16/22 04:32	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		07/14/22 10:56	07/16/22 04:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/14/22 10:56	07/16/22 04:32	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/14/22 10:56	07/16/22 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/14/22 10:56*	*07/16/22 04:32*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/14/22 10:56*	*07/16/22 04:32*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 14:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 14:30	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-19

Lab Sample ID: 880-16754-19
Matrix: Solid
Date Collected: 07/07/22 12:36
Date Received: 07/11/22 13:01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*76*		*70 - 130*	*07/12/22 08:46*	*07/12/22 14:30*	*1*
o-Terphenyl (Surr)	*76*		*70 - 130*	*07/12/22 08:46*	*07/12/22 14:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**546**		5.04		mg/Kg			07/15/22 09:10	1

Client Sample ID: C-20

Lab Sample ID: 880-16754-20
Matrix: Solid
Date Collected: 07/07/22 12:38
Date Received: 07/11/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:56	07/16/22 04:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:56	07/16/22 04:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:56	07/16/22 04:52	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/14/22 10:56	07/16/22 04:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:56	07/16/22 04:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/14/22 10:56	07/16/22 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/14/22 10:56*	*07/16/22 04:52*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/14/22 10:56*	*07/16/22 04:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 14:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 14:52	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*79*		*70 - 130*	*07/12/22 08:46*	*07/12/22 14:52*	*1*
o-Terphenyl (Surr)	*77*		*70 - 130*	*07/12/22 08:46*	*07/12/22 14:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**358**		5.04		mg/Kg			07/15/22 09:19	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-21

Date Collected: 07/07/22 12:40
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-21

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 05:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 05:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 05:13	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/14/22 10:56	07/16/22 05:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 05:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/14/22 10:56	07/16/22 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/14/22 10:56*	*07/16/22 05:13*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/14/22 10:56*	*07/16/22 05:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 15:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 15:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*77*		*70 - 130*	*07/12/22 08:46*	*07/12/22 15:36*	*1*
o-Terphenyl (Surr)	*70*		*70 - 130*	*07/12/22 08:46*	*07/12/22 15:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**452**		5.00		mg/Kg			07/15/22 09:28	1

Client Sample ID: C-22

Date Collected: 07/07/22 12:42
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-22

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 05:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 05:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 05:33	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/14/22 10:56	07/16/22 05:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 05:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/14/22 10:56	07/16/22 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/14/22 10:56*	*07/16/22 05:33*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*07/14/22 10:56*	*07/16/22 05:33*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-22

Date Collected: 07/07/22 12:42
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-22
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 15:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 15:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*73*		*70 - 130*	*07/12/22 08:46*	*07/12/22 15:57*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*07/12/22 08:46*	*07/12/22 15:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**516**		4.98		mg/Kg			07/15/22 09:56	1

Client Sample ID: C-23

Date Collected: 07/07/22 12:44
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-23
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:56	07/16/22 05:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:56	07/16/22 05:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:56	07/16/22 05:54	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/14/22 10:56	07/16/22 05:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:56	07/16/22 05:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/14/22 10:56	07/16/22 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/14/22 10:56*	*07/16/22 05:54*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/14/22 10:56*	*07/16/22 05:54*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**67.7**		50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 16:29	1
Diesel Range Organics (Over C10-C28)	**67.7**		50.0		mg/Kg		07/12/22 08:46	07/12/22 16:29	1

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16754-1
Project/Site: Candie #001 SDG: 2590, 2591, 2592

Client Sample ID: C-23 Lab Sample ID: 880-16754-23

Date Collected: 07/07/22 12:44 **Matrix: Solid**
Date Received: 07/11/22 13:01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*82*		*70 - 130*	*07/12/22 08:46*	*07/12/22 16:29*	*1*
o-Terphenyl (Surr)	*84*		*70 - 130*	*07/12/22 08:46*	*07/12/22 16:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**770**		4.96		mg/Kg			07/15/22 10:05	1

Client Sample ID: C-24 Lab Sample ID: 880-16754-24

Date Collected: 07/07/22 12:46 **Matrix: Solid**
Date Received: 07/11/22 13:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:56	07/16/22 06:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:56	07/16/22 06:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:56	07/16/22 06:14	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/14/22 10:56	07/16/22 06:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:56	07/16/22 06:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/14/22 10:56	07/16/22 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/14/22 10:56*	*07/16/22 06:14*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/14/22 10:56*	*07/16/22 06:14*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 16:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 16:50	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*81*		*70 - 130*	*07/12/22 08:46*	*07/12/22 16:50*	*1*
o-Terphenyl (Surr)	*84*		*70 - 130*	*07/12/22 08:46*	*07/12/22 16:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**288**		4.99		mg/Kg			07/15/22 10:42	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-25

Date Collected: 07/07/22 12:48
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-25
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:56	07/16/22 06:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:56	07/16/22 06:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:56	07/16/22 06:35	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		07/14/22 10:56	07/16/22 06:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/14/22 10:56	07/16/22 06:35	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/14/22 10:56	07/16/22 06:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/14/22 10:56*	*07/16/22 06:35*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/14/22 10:56*	*07/16/22 06:35*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 17:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 17:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*07/12/22 08:46*	*07/12/22 17:12*	*1*
o-Terphenyl (Surr)	*84*		*70 - 130*	*07/12/22 08:46*	*07/12/22 17:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**422**		4.98		mg/Kg			07/15/22 10:51	1

Client Sample ID: C-26

Date Collected: 07/07/22 12:50
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-26
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 07:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 07:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 07:57	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		07/14/22 10:56	07/16/22 07:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 07:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/14/22 10:56	07/16/22 07:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/14/22 10:56*	*07/16/22 07:57*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/14/22 10:56*	*07/16/22 07:57*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-26

Date Collected: 07/07/22 12:50
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-26

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 17:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 17:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*67*	*S1-*	*70 - 130*	*07/12/22 08:46*	*07/12/22 17:34*	*1*
o-Terphenyl (Surr)	*69*	*S1-*	*70 - 130*	*07/12/22 08:46*	*07/12/22 17:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**413**		5.02		mg/Kg			07/15/22 11:00	1

Client Sample ID: C-27

Date Collected: 07/07/22 12:52
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-27

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 08:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 08:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 08:18	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/14/22 10:56	07/16/22 08:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 08:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/14/22 10:56	07/16/22 08:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/14/22 10:56*	*07/16/22 08:18*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/14/22 10:56*	*07/16/22 08:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 17:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 17:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-27

Date Collected: 07/07/22 12:52
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-27

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*85*		*70 - 130*	*07/12/22 08:46*	*07/12/22 17:55*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*07/12/22 08:46*	*07/12/22 17:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1050**		5.01		mg/Kg			07/15/22 11:10	1

Client Sample ID: C-28

Date Collected: 07/07/22 12:54
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-28

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 08:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 08:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 08:38	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/14/22 10:56	07/16/22 08:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 08:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/14/22 10:56	07/16/22 08:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/14/22 10:56*	*07/16/22 08:38*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/14/22 10:56*	*07/16/22 08:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 18:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 18:16	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/22 08:46	07/12/22 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*07/12/22 08:46*	*07/12/22 18:16*	*1*
o-Terphenyl (Surr)	*77*		*70 - 130*	*07/12/22 08:46*	*07/12/22 18:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**395**		4.99		mg/Kg			07/15/22 11:19	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-29

Date Collected: 07/07/22 12:56
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-29

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:56	07/16/22 08:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:56	07/16/22 08:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:56	07/16/22 08:59	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/14/22 10:56	07/16/22 08:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:56	07/16/22 08:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/14/22 10:56	07/16/22 08:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/14/22 10:56*	*07/16/22 08:59*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/14/22 10:56*	*07/16/22 08:59*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 18:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 18:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*85*		*70 - 130*	*07/12/22 08:46*	*07/12/22 18:38*	*1*
o-Terphenyl (Surr)	*83*		*70 - 130*	*07/12/22 08:46*	*07/12/22 18:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**376**		5.05		mg/Kg			07/15/22 11:28	1

Client Sample ID: C-30

Date Collected: 07/07/22 12:58
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-30

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:56	07/16/22 09:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:56	07/16/22 09:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:56	07/16/22 09:19	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/14/22 10:56	07/16/22 09:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/14/22 10:56	07/16/22 09:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/14/22 10:56	07/16/22 09:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/14/22 10:56*	*07/16/22 09:19*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/14/22 10:56*	*07/16/22 09:19*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-30

Date Collected: 07/07/22 12:58
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-30

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 18:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 18:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*60*	*S1-*	*70 - 130*	*07/12/22 08:46*	*07/12/22 18:59*	*1*
o-Terphenyl (Surr)	*56*	*S1-*	*70 - 130*	*07/12/22 08:46*	*07/12/22 18:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**496**		5.03		mg/Kg			07/15/22 11:37	1

Client Sample ID: C-31

Date Collected: 07/07/22 13:00
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-31

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:56	07/16/22 09:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:56	07/16/22 09:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:56	07/16/22 09:40	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/14/22 10:56	07/16/22 09:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/14/22 10:56	07/16/22 09:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/14/22 10:56	07/16/22 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/14/22 10:56*	*07/16/22 09:40*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/14/22 10:56*	*07/16/22 09:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 15:30	07/13/22 17:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 15:30	07/13/22 17:36	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-31

Date Collected: 07/07/22 13:00
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-31

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 15:30	07/13/22 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*84*		*70 - 130*	*07/12/22 15:30*	*07/13/22 17:36*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*07/12/22 15:30*	*07/13/22 17:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**382**	**F1**	25.2		mg/Kg			07/15/22 12:51	5

Client Sample ID: C-32

Date Collected: 07/07/22 13:02
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-32

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 10:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 10:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 10:00	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/14/22 10:56	07/16/22 10:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 10:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/14/22 10:56	07/16/22 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/14/22 10:56*	*07/16/22 10:00*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/14/22 10:56*	*07/16/22 10:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/18/22 14:47	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 15:30	07/13/22 17:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 15:30	07/13/22 17:57	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 15:30	07/13/22 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*87*		*70 - 130*	*07/12/22 15:30*	*07/13/22 17:57*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*07/12/22 15:30*	*07/13/22 17:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**348**		24.8		mg/Kg			07/15/22 13:19	5

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-16754-1	C-1	108	92										
880-16754-2	C-2	108	90										
880-16754-3	C-3	107	92										
880-16754-4	C-4	108	92										
880-16754-5	C-5	106	90										
880-16754-6	C-6	106	90										
880-16754-7	C-7	110	91										
880-16754-8	C-8	110	89										
880-16754-9	C-9	109	93										
880-16754-10	C-10	109	92										
880-16754-11	C-11	108	92										
880-16754-12	C-12	110	91										
880-16754-13	C-13	108	96										
880-16754-14	C-14	111	94										
880-16754-15	C-15	108	92										
880-16754-16	C-16	104	89										
880-16754-16 MS	C-16	102	96										
880-16754-16 MSD	C-16	110	96										
880-16754-17	C-17	111	91										
880-16754-18	C-18	112	85										
880-16754-19	C-19	110	93										
880-16754-20	C-20	111	89										
880-16754-21	C-21	112	90										
880-16754-22	C-22	108	88										
880-16754-23	C-23	109	92										
880-16754-24	C-24	109	91										
880-16754-25	C-25	111	89										
880-16754-26	C-26	107	92										
880-16754-27	C-27	112	94										
880-16754-28	C-28	112	93										
880-16754-29	C-29	110	91										
880-16754-30	C-30	111	91										
880-16754-31	C-31	109	91										
880-16754-32	C-32	110	92										
LCS 880-29743/1-A	Lab Control Sample	98	96										
LCS 880-29745/1-A	Lab Control Sample	104	93										
LCSD 880-29743/2-A	Lab Control Sample Dup	98	97										
LCSD 880-29745/2-A	Lab Control Sample Dup	99	93										
MB 880-29743/5-A	Method Blank	97	87										
MB 880-29745/5-A	Method Blank	98	85										
MB 880-29791/8	Method Blank	100	86										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-16754-1
Project/Site: Candie #001 SDG: 2590, 2591, 2592

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
880-16749-A-15-C MS	Matrix Spike	107	103										
880-16749-A-15-D MSD	Matrix Spike Duplicate	106	100										
880-16754-1	C-1	113	118										
880-16754-2	C-2	101	104										
880-16754-3	C-3	92	102										
880-16754-3 MS	C-3	79	81										
880-16754-3 MSD	C-3	83	85										
880-16754-4	C-4	112	120										
880-16754-5	C-5	95	107										
880-16754-6	C-6	90	98										
880-16754-7	C-7	95	101										
880-16754-8	C-8	87	97										
880-16754-9	C-9	83	94										
880-16754-10	C-10	88	98										
880-16754-11	C-11	92	103										
880-16754-12	C-12	86	88										
880-16754-13	C-13	91	100										
880-16754-14	C-14	116	123										
880-16754-15	C-15	90	98										
880-16754-16	C-16	103	112										
880-16754-17	C-17	79	75										
880-16754-17 MS	C-17	74	64 S1-										
880-16754-17 MSD	C-17	78	68 S1-										
880-16754-18	C-18	60 S1-	54 S1-										
880-16754-19	C-19	76	76										
880-16754-20	C-20	79	77										
880-16754-21	C-21	77	70										
880-16754-22	C-22	73	71										
880-16754-23	C-23	82	84										
880-16754-24	C-24	81	84										
880-16754-25	C-25	88	84										
880-16754-26	C-26	67 S1-	69 S1-										
880-16754-27	C-27	85	92										
880-16754-28	C-28	80	77										
880-16754-29	C-29	85	83										
880-16754-30	C-30	60 S1-	56 S1-										
880-16754-31	C-31	84	95										
880-16754-32	C-32	87	97										
890-2515-A-21-F MS	Matrix Spike	79	92										
890-2515-A-21-G MSD	Matrix Spike Duplicate	80	93										
LCS 880-29506/2-A	Lab Control Sample	102	94										
LCS 880-29507/2-A	Lab Control Sample	106	120										
LCS 880-29508/2-A	Lab Control Sample	99	105										
LCS 880-29563/2-A	Lab Control Sample	99	112										
LCSD 880-29506/3-A	Lab Control Sample Dup	101	96										
LCSD 880-29507/3-A	Lab Control Sample Dup	96	105										
LCSD 880-29508/3-A	Lab Control Sample Dup	100	107										
LCSD 880-29563/3-A	Lab Control Sample Dup	102	113										
MB 880-29506/1-A	Method Blank	115	123										
MB 880-29507/1-A	Method Blank	117	139 S1+										

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-16754-1
Project/Site: Candie #001 SDG: 2590, 2591, 2592

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
MB 880-29508/1-A	Method Blank	97	110								
MB 880-29563/1-A	Method Blank	100	118								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-29743/5-A
Matrix: Solid
Analysis Batch: 29791

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29743

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 16:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 16:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 16:33	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/14/22 10:40	07/15/22 16:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:40	07/15/22 16:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/14/22 10:40	07/15/22 16:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*07/14/22 10:40*	*07/15/22 16:33*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/14/22 10:40*	*07/15/22 16:33*	*1*

Lab Sample ID: LCS 880-29743/1-A
Matrix: Solid
Analysis Batch: 29791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 29743

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08994		mg/Kg		90	70 - 130		
Toluene			0.100	0.08950		mg/Kg		89	70 - 130		
Ethylbenzene			0.100	0.09214		mg/Kg		92	70 - 130		
m,p-Xylenes			0.200	0.1839		mg/Kg		92	70 - 130		
o-Xylene			0.100	0.1005		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-29743/2-A
Matrix: Solid
Analysis Batch: 29791

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 29743

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09657		mg/Kg		97	70 - 130	7	35
Toluene			0.100	0.09581		mg/Kg		96	70 - 130	7	35
Ethylbenzene			0.100	0.09856		mg/Kg		99	70 - 130	7	35
m,p-Xylenes			0.200	0.1968		mg/Kg		98	70 - 130	7	35
o-Xylene			0.100	0.1080		mg/Kg		108	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 880-29745/5-A
Matrix: Solid
Analysis Batch: 29791

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29745

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 03:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 03:08	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-29745/5-A
Matrix: Solid
Analysis Batch: 29791

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29745

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 03:08	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/14/22 10:56	07/16/22 03:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/14/22 10:56	07/16/22 03:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/14/22 10:56	07/16/22 03:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*07/14/22 10:56*	*07/16/22 03:08*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/14/22 10:56*	*07/16/22 03:08*	*1*

Lab Sample ID: LCS 880-29745/1-A
Matrix: Solid
Analysis Batch: 29791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 29745

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07964		mg/Kg		80	70 - 130		
Toluene			0.100	0.08259		mg/Kg		83	70 - 130		
Ethylbenzene			0.100	0.08730		mg/Kg		87	70 - 130		
m,p-Xylenes			0.200	0.1747		mg/Kg		87	70 - 130		
o-Xylene			0.100	0.09954		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-29745/2-A
Matrix: Solid
Analysis Batch: 29791

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 29745

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09003		mg/Kg		90	70 - 130	12	35
Toluene			0.100	0.08765		mg/Kg		88	70 - 130	6	35
Ethylbenzene			0.100	0.09280		mg/Kg		93	70 - 130	6	35
m,p-Xylenes			0.200	0.1835		mg/Kg		92	70 - 130	5	35
o-Xylene			0.100	0.1024		mg/Kg		102	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 880-16754-16 MS
Matrix: Solid
Analysis Batch: 29791

Client Sample ID: C-16
Prep Type: Total/NA
Prep Batch: 29745

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U	0.101	0.09756		mg/Kg		97	70 - 130		
Toluene	<0.00202	U	0.101	0.09568		mg/Kg		95	70 - 130		
Ethylbenzene	<0.00202	U	0.101	0.09710		mg/Kg		96	70 - 130		
m,p-Xylenes	<0.00404	U	0.202	0.1898		mg/Kg		94	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-16754-16 MS
Matrix: Solid
Analysis Batch: 29791

Client Sample ID: C-16
Prep Type: Total/NA
Prep Batch: 29745

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00202	U	0.101	0.1049		mg/Kg		104	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-16754-16 MSD
Matrix: Solid
Analysis Batch: 29791

Client Sample ID: C-16
Prep Type: Total/NA
Prep Batch: 29745

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.09457		mg/Kg		94	70 - 130	3	35
Toluene	<0.00202	U	0.100	0.09178		mg/Kg		92	70 - 130	4	35
Ethylbenzene	<0.00202	U	0.100	0.09467		mg/Kg		94	70 - 130	3	35
m,p-Xylenes	<0.00404	U	0.200	0.1849		mg/Kg		92	70 - 130	3	35
o-Xylene	<0.00202	U	0.100	0.1019		mg/Kg		102	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 880-29791/8
Matrix: Solid
Analysis Batch: 29791

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg			07/15/22 11:14	1
Toluene	<0.00200	U	0.00200	mg/Kg			07/15/22 11:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			07/15/22 11:14	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg			07/15/22 11:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg			07/15/22 11:14	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			07/15/22 11:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*07/15/22 11:14*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*		*07/15/22 11:14*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-29506/1-A
Matrix: Solid
Analysis Batch: 29503

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29506

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/12/22 08:38	07/12/22 10:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/12/22 08:38	07/12/22 10:01	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/12/22 08:38	07/12/22 10:01	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	07/12/22 08:38	07/12/22 10:01	1
o-Terphenyl (Surr)	123		70 - 130	07/12/22 08:38	07/12/22 10:01	1

Lab Sample ID: LCS 880-29506/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 29503 — **Prep Batch: 29506**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1065		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	898.6		mg/Kg		90	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	102		70 - 130
o-Terphenyl (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-29506/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 29503 — **Prep Batch: 29506**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1061		mg/Kg		106	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	904.7		mg/Kg		90	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	101		70 - 130
o-Terphenyl (Surr)	96		70 - 130

Lab Sample ID: 880-16749-A-15-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 29503 — **Prep Batch: 29506**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1196		mg/Kg		118	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1070		mg/Kg		103	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	107		70 - 130
o-Terphenyl (Surr)	103		70 - 130

Lab Sample ID: 880-16749-A-15-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 29503 — **Prep Batch: 29506**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1211		mg/Kg		119	70 - 130	1	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-16749-A-15-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 29503 — **Prep Batch: 29506**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1043		mg/Kg		100	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*106*		*70 - 130*
o-Terphenyl (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 880-29507/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 29497 — **Prep Batch: 29507**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 09:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 09:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:43	07/12/22 09:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*117*		*70 - 130*	*07/12/22 08:43*	*07/12/22 09:49*	*1*
o-Terphenyl (Surr)	*139*	*S1+*	*70 - 130*	*07/12/22 08:43*	*07/12/22 09:49*	*1*

Lab Sample ID: LCS 880-29507/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 29497 — **Prep Batch: 29507**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1114		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1015		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*106*		*70 - 130*
o-Terphenyl (Surr)	*120*		*70 - 130*

Lab Sample ID: LCSD 880-29507/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 29497 — **Prep Batch: 29507**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1028		mg/Kg		103	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	927.3		mg/Kg		93	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*96*		*70 - 130*
o-Terphenyl (Surr)	*105*		*70 - 130*

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-16754-3 MS
Matrix: Solid
Analysis Batch: 29497

Client Sample ID: C-3
Prep Type: Total/NA
Prep Batch: 29507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	996	1092		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	704.2	F1	mg/Kg		69	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*79*		*70 - 130*
o-Terphenyl (Surr)	*81*		*70 - 130*

Lab Sample ID: 880-16754-3 MSD
Matrix: Solid
Analysis Batch: 29497

Client Sample ID: C-3
Prep Type: Total/NA
Prep Batch: 29507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	998	813.6	F2	mg/Kg		82	70 - 130	29	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	745.9		mg/Kg		73	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*83*		*70 - 130*
o-Terphenyl (Surr)	*85*		*70 - 130*

Lab Sample ID: MB 880-29508/1-A
Matrix: Solid
Analysis Batch: 29499

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29508

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 09:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 09:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 08:46	07/12/22 09:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*97*		*70 - 130*	*07/12/22 08:46*	*07/12/22 09:49*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*07/12/22 08:46*	*07/12/22 09:49*	*1*

Lab Sample ID: LCS 880-29508/2-A
Matrix: Solid
Analysis Batch: 29499

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 29508

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	847.5		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	859.1		mg/Kg		86	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-29508/2-A
Matrix: Solid
Analysis Batch: 29499

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 29508

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-29508/3-A
Matrix: Solid
Analysis Batch: 29499

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 29508

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	812.7		mg/Kg		81	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	843.7		mg/Kg		84	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	100		70 - 130
o-Terphenyl (Surr)	107		70 - 130

Lab Sample ID: 880-16754-17 MS
Matrix: Solid
Analysis Batch: 29499

Client Sample ID: C-17
Prep Type: Total/NA
Prep Batch: 29508

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	988.5		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	691.2	F1	mg/Kg		67	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	74		70 - 130
o-Terphenyl (Surr)	64	S1-	70 - 130

Lab Sample ID: 880-16754-17 MSD
Matrix: Solid
Analysis Batch: 29499

Client Sample ID: C-17
Prep Type: Total/NA
Prep Batch: 29508

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	893.2		mg/Kg		88	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	744.1		mg/Kg		72	70 - 130	7	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	78		70 - 130
o-Terphenyl (Surr)	68	S1-	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-29563/1-A
Matrix: Solid
Analysis Batch: 29603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29563

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/22 15:30	07/13/22 10:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/22 15:30	07/13/22 10:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/22 15:30	07/13/22 10:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*07/12/22 15:30*	*07/13/22 10:27*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*07/12/22 15:30*	*07/13/22 10:27*	*1*

Lab Sample ID: LCS 880-29563/2-A
Matrix: Solid
Analysis Batch: 29603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 29563

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	877.2		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	913.4		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*99*		*70 - 130*
o-Terphenyl (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 880-29563/3-A
Matrix: Solid
Analysis Batch: 29603

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 29563

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	889.2		mg/Kg		89	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	975.7		mg/Kg		98	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*102*		*70 - 130*
o-Terphenyl (Surr)	*113*		*70 - 130*

Lab Sample ID: 890-2515-A-21-F MS
Matrix: Solid
Analysis Batch: 29603

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 29563

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-2515-A-21-F MS
Matrix: Solid
Analysis Batch: 29603

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 29563

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	79		70 - 130
o-Terphenyl (Surr)	92		70 - 130

Lab Sample ID: 890-2515-A-21-G MSD
Matrix: Solid
Analysis Batch: 29603

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 29563

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	<49.9	U F1	mg/Kg		0	70 - 130	NC	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	<49.9	U F1	mg/Kg		0	70 - 130	NC	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	80		70 - 130
o-Terphenyl (Surr)	93		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29456/1-A
Matrix: Solid
Analysis Batch: 29653

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/14/22 20:06	1

Lab Sample ID: LCS 880-29456/2-A
Matrix: Solid
Analysis Batch: 29653

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	273.9		mg/Kg		110	90 - 110		

Lab Sample ID: LCSD 880-29456/3-A
Matrix: Solid
Analysis Batch: 29653

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	268.3		mg/Kg		107	90 - 110	2	20

Lab Sample ID: 880-16754-1 MS
Matrix: Solid
Analysis Batch: 29653

Client Sample ID: C-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	387		252	642.6		mg/Kg		101	90 - 110		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-16754-1 MSD
Matrix: Solid
Analysis Batch: 29653

Client Sample ID: C-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	387		252	644.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-29457/1-A
Matrix: Solid
Analysis Batch: 29655

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/15/22 06:52	1

Lab Sample ID: LCS 880-29457/2-A
Matrix: Solid
Analysis Batch: 29655

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	274.9		mg/Kg		110	90 - 110		

Lab Sample ID: LCSD 880-29457/3-A
Matrix: Solid
Analysis Batch: 29655

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	274.8		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 880-16754-11 MS
Matrix: Solid
Analysis Batch: 29655

Client Sample ID: C-11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	428		252	701.6		mg/Kg		108	90 - 110		

Lab Sample ID: 880-16754-11 MSD
Matrix: Solid
Analysis Batch: 29655

Client Sample ID: C-11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	428		252	702.1		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-16754-21 MS
Matrix: Solid
Analysis Batch: 29655

Client Sample ID: C-21
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	452		250	716.7		mg/Kg		106	90 - 110		

Lab Sample ID: 880-16754-21 MSD
Matrix: Solid
Analysis Batch: 29655

Client Sample ID: C-21
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	452		250	726.9		mg/Kg		110	90 - 110	1	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29572/1-A
Matrix: Solid
Analysis Batch: 29761

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/15/22 12:24	1

Lab Sample ID: LCS 880-29572/2-A
Matrix: Solid
Analysis Batch: 29761

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	266.6		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-29572/3-A
Matrix: Solid
Analysis Batch: 29761

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	267.0		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-16754-31 MS
Matrix: Solid
Analysis Batch: 29761

Client Sample ID: C-31
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	382	F1	1260	1776	F1	mg/Kg		111	90 - 110		

Lab Sample ID: 880-16754-31 MSD
Matrix: Solid
Analysis Batch: 29761

Client Sample ID: C-31
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	382	F1	1260	1780	F1	mg/Kg		111	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

GC VOA

Prep Batch: 29743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-1	C-1	Total/NA	Solid	5035	
880-16754-2	C-2	Total/NA	Solid	5035	
880-16754-3	C-3	Total/NA	Solid	5035	
880-16754-4	C-4	Total/NA	Solid	5035	
880-16754-5	C-5	Total/NA	Solid	5035	
880-16754-6	C-6	Total/NA	Solid	5035	
880-16754-7	C-7	Total/NA	Solid	5035	
880-16754-8	C-8	Total/NA	Solid	5035	
880-16754-9	C-9	Total/NA	Solid	5035	
880-16754-10	C-10	Total/NA	Solid	5035	
880-16754-11	C-11	Total/NA	Solid	5035	
880-16754-12	C-12	Total/NA	Solid	5035	
880-16754-13	C-13	Total/NA	Solid	5035	
880-16754-14	C-14	Total/NA	Solid	5035	
880-16754-15	C-15	Total/NA	Solid	5035	
MB 880-29743/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29743/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29743/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 29745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-16	C-16	Total/NA	Solid	5035	
880-16754-17	C-17	Total/NA	Solid	5035	
880-16754-18	C-18	Total/NA	Solid	5035	
880-16754-19	C-19	Total/NA	Solid	5035	
880-16754-20	C-20	Total/NA	Solid	5035	
880-16754-21	C-21	Total/NA	Solid	5035	
880-16754-22	C-22	Total/NA	Solid	5035	
880-16754-23	C-23	Total/NA	Solid	5035	
880-16754-24	C-24	Total/NA	Solid	5035	
880-16754-25	C-25	Total/NA	Solid	5035	
880-16754-26	C-26	Total/NA	Solid	5035	
880-16754-27	C-27	Total/NA	Solid	5035	
880-16754-28	C-28	Total/NA	Solid	5035	
880-16754-29	C-29	Total/NA	Solid	5035	
880-16754-30	C-30	Total/NA	Solid	5035	
880-16754-31	C-31	Total/NA	Solid	5035	
880-16754-32	C-32	Total/NA	Solid	5035	
MB 880-29745/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29745/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29745/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16754-16 MS	C-16	Total/NA	Solid	5035	
880-16754-16 MSD	C-16	Total/NA	Solid	5035	

Analysis Batch: 29791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-1	C-1	Total/NA	Solid	8021B	29743
880-16754-2	C-2	Total/NA	Solid	8021B	29743
880-16754-3	C-3	Total/NA	Solid	8021B	29743
880-16754-4	C-4	Total/NA	Solid	8021B	29743
880-16754-5	C-5	Total/NA	Solid	8021B	29743

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

GC VOA (Continued)

Analysis Batch: 29791 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-6	C-6	Total/NA	Solid	8021B	29743
880-16754-7	C-7	Total/NA	Solid	8021B	29743
880-16754-8	C-8	Total/NA	Solid	8021B	29743
880-16754-9	C-9	Total/NA	Solid	8021B	29743
880-16754-10	C-10	Total/NA	Solid	8021B	29743
880-16754-11	C-11	Total/NA	Solid	8021B	29743
880-16754-12	C-12	Total/NA	Solid	8021B	29743
880-16754-13	C-13	Total/NA	Solid	8021B	29743
880-16754-14	C-14	Total/NA	Solid	8021B	29743
880-16754-15	C-15	Total/NA	Solid	8021B	29743
880-16754-16	C-16	Total/NA	Solid	8021B	29745
880-16754-17	C-17	Total/NA	Solid	8021B	29745
880-16754-18	C-18	Total/NA	Solid	8021B	29745
880-16754-19	C-19	Total/NA	Solid	8021B	29745
880-16754-20	C-20	Total/NA	Solid	8021B	29745
880-16754-21	C-21	Total/NA	Solid	8021B	29745
880-16754-22	C-22	Total/NA	Solid	8021B	29745
880-16754-23	C-23	Total/NA	Solid	8021B	29745
880-16754-24	C-24	Total/NA	Solid	8021B	29745
880-16754-25	C-25	Total/NA	Solid	8021B	29745
880-16754-26	C-26	Total/NA	Solid	8021B	29745
880-16754-27	C-27	Total/NA	Solid	8021B	29745
880-16754-28	C-28	Total/NA	Solid	8021B	29745
880-16754-29	C-29	Total/NA	Solid	8021B	29745
880-16754-30	C-30	Total/NA	Solid	8021B	29745
880-16754-31	C-31	Total/NA	Solid	8021B	29745
880-16754-32	C-32	Total/NA	Solid	8021B	29745
MB 880-29743/5-A	Method Blank	Total/NA	Solid	8021B	29743
MB 880-29745/5-A	Method Blank	Total/NA	Solid	8021B	29745
MB 880-29791/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-29743/1-A	Lab Control Sample	Total/NA	Solid	8021B	29743
LCS 880-29745/1-A	Lab Control Sample	Total/NA	Solid	8021B	29745
LCSD 880-29743/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29743
LCSD 880-29745/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29745
880-16754-16 MS	C-16	Total/NA	Solid	8021B	29745
880-16754-16 MSD	C-16	Total/NA	Solid	8021B	29745

Analysis Batch: 29977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-1	C-1	Total/NA	Solid	Total BTEX	
880-16754-2	C-2	Total/NA	Solid	Total BTEX	
880-16754-3	C-3	Total/NA	Solid	Total BTEX	
880-16754-4	C-4	Total/NA	Solid	Total BTEX	
880-16754-5	C-5	Total/NA	Solid	Total BTEX	
880-16754-6	C-6	Total/NA	Solid	Total BTEX	
880-16754-7	C-7	Total/NA	Solid	Total BTEX	
880-16754-8	C-8	Total/NA	Solid	Total BTEX	
880-16754-9	C-9	Total/NA	Solid	Total BTEX	
880-16754-10	C-10	Total/NA	Solid	Total BTEX	
880-16754-11	C-11	Total/NA	Solid	Total BTEX	
880-16754-12	C-12	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

GC VOA (Continued)

Analysis Batch: 29977 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-13	C-13	Total/NA	Solid	Total BTEX	
880-16754-14	C-14	Total/NA	Solid	Total BTEX	
880-16754-15	C-15	Total/NA	Solid	Total BTEX	
880-16754-16	C-16	Total/NA	Solid	Total BTEX	
880-16754-17	C-17	Total/NA	Solid	Total BTEX	
880-16754-18	C-18	Total/NA	Solid	Total BTEX	
880-16754-19	C-19	Total/NA	Solid	Total BTEX	
880-16754-20	C-20	Total/NA	Solid	Total BTEX	
880-16754-21	C-21	Total/NA	Solid	Total BTEX	
880-16754-22	C-22	Total/NA	Solid	Total BTEX	
880-16754-23	C-23	Total/NA	Solid	Total BTEX	
880-16754-24	C-24	Total/NA	Solid	Total BTEX	
880-16754-25	C-25	Total/NA	Solid	Total BTEX	
880-16754-26	C-26	Total/NA	Solid	Total BTEX	
880-16754-27	C-27	Total/NA	Solid	Total BTEX	
880-16754-28	C-28	Total/NA	Solid	Total BTEX	
880-16754-29	C-29	Total/NA	Solid	Total BTEX	
880-16754-30	C-30	Total/NA	Solid	Total BTEX	
880-16754-31	C-31	Total/NA	Solid	Total BTEX	
880-16754-32	C-32	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 29497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-3	C-3	Total/NA	Solid	8015B NM	29507
880-16754-4	C-4	Total/NA	Solid	8015B NM	29507
880-16754-5	C-5	Total/NA	Solid	8015B NM	29507
880-16754-6	C-6	Total/NA	Solid	8015B NM	29507
880-16754-7	C-7	Total/NA	Solid	8015B NM	29507
880-16754-8	C-8	Total/NA	Solid	8015B NM	29507
880-16754-9	C-9	Total/NA	Solid	8015B NM	29507
880-16754-10	C-10	Total/NA	Solid	8015B NM	29507
880-16754-11	C-11	Total/NA	Solid	8015B NM	29507
880-16754-12	C-12	Total/NA	Solid	8015B NM	29507
880-16754-13	C-13	Total/NA	Solid	8015B NM	29507
880-16754-14	C-14	Total/NA	Solid	8015B NM	29507
880-16754-15	C-15	Total/NA	Solid	8015B NM	29507
880-16754-16	C-16	Total/NA	Solid	8015B NM	29507
MB 880-29507/1-A	Method Blank	Total/NA	Solid	8015B NM	29507
LCS 880-29507/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29507
LCSD 880-29507/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29507
880-16754-3 MS	C-3	Total/NA	Solid	8015B NM	29507
880-16754-3 MSD	C-3	Total/NA	Solid	8015B NM	29507

Analysis Batch: 29499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-17	C-17	Total/NA	Solid	8015B NM	29508
880-16754-18	C-18	Total/NA	Solid	8015B NM	29508
880-16754-19	C-19	Total/NA	Solid	8015B NM	29508
880-16754-20	C-20	Total/NA	Solid	8015B NM	29508

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

GC Semi VOA (Continued)

Analysis Batch: 29499 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-21	C-21	Total/NA	Solid	8015B NM	29508
880-16754-22	C-22	Total/NA	Solid	8015B NM	29508
880-16754-23	C-23	Total/NA	Solid	8015B NM	29508
880-16754-24	C-24	Total/NA	Solid	8015B NM	29508
880-16754-25	C-25	Total/NA	Solid	8015B NM	29508
880-16754-26	C-26	Total/NA	Solid	8015B NM	29508
880-16754-27	C-27	Total/NA	Solid	8015B NM	29508
880-16754-28	C-28	Total/NA	Solid	8015B NM	29508
880-16754-29	C-29	Total/NA	Solid	8015B NM	29508
880-16754-30	C-30	Total/NA	Solid	8015B NM	29508
MB 880-29508/1-A	Method Blank	Total/NA	Solid	8015B NM	29508
LCS 880-29508/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29508
LCSD 880-29508/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29508
880-16754-17 MS	C-17	Total/NA	Solid	8015B NM	29508
880-16754-17 MSD	C-17	Total/NA	Solid	8015B NM	29508

Analysis Batch: 29503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-1	C-1	Total/NA	Solid	8015B NM	29506
880-16754-2	C-2	Total/NA	Solid	8015B NM	29506
MB 880-29506/1-A	Method Blank	Total/NA	Solid	8015B NM	29506
LCS 880-29506/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29506
LCSD 880-29506/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29506
880-16749-A-15-C MS	Matrix Spike	Total/NA	Solid	8015B NM	29506
880-16749-A-15-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29506

Prep Batch: 29506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-1	C-1	Total/NA	Solid	8015NM Prep	
880-16754-2	C-2	Total/NA	Solid	8015NM Prep	
MB 880-29506/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29506/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29506/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16749-A-15-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16749-A-15-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 29507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-3	C-3	Total/NA	Solid	8015NM Prep	
880-16754-4	C-4	Total/NA	Solid	8015NM Prep	
880-16754-5	C-5	Total/NA	Solid	8015NM Prep	
880-16754-6	C-6	Total/NA	Solid	8015NM Prep	
880-16754-7	C-7	Total/NA	Solid	8015NM Prep	
880-16754-8	C-8	Total/NA	Solid	8015NM Prep	
880-16754-9	C-9	Total/NA	Solid	8015NM Prep	
880-16754-10	C-10	Total/NA	Solid	8015NM Prep	
880-16754-11	C-11	Total/NA	Solid	8015NM Prep	
880-16754-12	C-12	Total/NA	Solid	8015NM Prep	
880-16754-13	C-13	Total/NA	Solid	8015NM Prep	
880-16754-14	C-14	Total/NA	Solid	8015NM Prep	
880-16754-15	C-15	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

GC Semi VOA (Continued)

Prep Batch: 29507 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-16	C-16	Total/NA	Solid	8015NM Prep	
MB 880-29507/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29507/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29507/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16754-3 MS	C-3	Total/NA	Solid	8015NM Prep	
880-16754-3 MSD	C-3	Total/NA	Solid	8015NM Prep	

Prep Batch: 29508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-17	C-17	Total/NA	Solid	8015NM Prep	
880-16754-18	C-18	Total/NA	Solid	8015NM Prep	
880-16754-19	C-19	Total/NA	Solid	8015NM Prep	
880-16754-20	C-20	Total/NA	Solid	8015NM Prep	
880-16754-21	C-21	Total/NA	Solid	8015NM Prep	
880-16754-22	C-22	Total/NA	Solid	8015NM Prep	
880-16754-23	C-23	Total/NA	Solid	8015NM Prep	
880-16754-24	C-24	Total/NA	Solid	8015NM Prep	
880-16754-25	C-25	Total/NA	Solid	8015NM Prep	
880-16754-26	C-26	Total/NA	Solid	8015NM Prep	
880-16754-27	C-27	Total/NA	Solid	8015NM Prep	
880-16754-28	C-28	Total/NA	Solid	8015NM Prep	
880-16754-29	C-29	Total/NA	Solid	8015NM Prep	
880-16754-30	C-30	Total/NA	Solid	8015NM Prep	
MB 880-29508/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29508/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29508/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16754-17 MS	C-17	Total/NA	Solid	8015NM Prep	
880-16754-17 MSD	C-17	Total/NA	Solid	8015NM Prep	

Prep Batch: 29563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-31	C-31	Total/NA	Solid	8015NM Prep	
880-16754-32	C-32	Total/NA	Solid	8015NM Prep	
MB 880-29563/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29563/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29563/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2515-A-21-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2515-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 29576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-1	C-1	Total/NA	Solid	8015 NM	
880-16754-2	C-2	Total/NA	Solid	8015 NM	
880-16754-3	C-3	Total/NA	Solid	8015 NM	
880-16754-4	C-4	Total/NA	Solid	8015 NM	
880-16754-5	C-5	Total/NA	Solid	8015 NM	
880-16754-6	C-6	Total/NA	Solid	8015 NM	
880-16754-7	C-7	Total/NA	Solid	8015 NM	
880-16754-8	C-8	Total/NA	Solid	8015 NM	
880-16754-9	C-9	Total/NA	Solid	8015 NM	
880-16754-10	C-10	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

GC Semi VOA (Continued)

Analysis Batch: 29576 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-11	C-11	Total/NA	Solid	8015 NM	
880-16754-12	C-12	Total/NA	Solid	8015 NM	
880-16754-13	C-13	Total/NA	Solid	8015 NM	
880-16754-14	C-14	Total/NA	Solid	8015 NM	
880-16754-15	C-15	Total/NA	Solid	8015 NM	
880-16754-16	C-16	Total/NA	Solid	8015 NM	
880-16754-17	C-17	Total/NA	Solid	8015 NM	
880-16754-18	C-18	Total/NA	Solid	8015 NM	
880-16754-19	C-19	Total/NA	Solid	8015 NM	
880-16754-20	C-20	Total/NA	Solid	8015 NM	
880-16754-21	C-21	Total/NA	Solid	8015 NM	
880-16754-22	C-22	Total/NA	Solid	8015 NM	
880-16754-23	C-23	Total/NA	Solid	8015 NM	
880-16754-24	C-24	Total/NA	Solid	8015 NM	
880-16754-25	C-25	Total/NA	Solid	8015 NM	
880-16754-26	C-26	Total/NA	Solid	8015 NM	
880-16754-27	C-27	Total/NA	Solid	8015 NM	
880-16754-28	C-28	Total/NA	Solid	8015 NM	
880-16754-29	C-29	Total/NA	Solid	8015 NM	
880-16754-30	C-30	Total/NA	Solid	8015 NM	
880-16754-31	C-31	Total/NA	Solid	8015 NM	
880-16754-32	C-32	Total/NA	Solid	8015 NM	

Analysis Batch: 29603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-31	C-31	Total/NA	Solid	8015B NM	29563
880-16754-32	C-32	Total/NA	Solid	8015B NM	29563
MB 880-29563/1-A	Method Blank	Total/NA	Solid	8015B NM	29563
LCS 880-29563/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29563
LCSD 880-29563/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29563
890-2515-A-21-F MS	Matrix Spike	Total/NA	Solid	8015B NM	29563
890-2515-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29563

HPLC/IC

Leach Batch: 29456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-1	C-1	Soluble	Solid	DI Leach	
880-16754-2	C-2	Soluble	Solid	DI Leach	
880-16754-3	C-3	Soluble	Solid	DI Leach	
880-16754-4	C-4	Soluble	Solid	DI Leach	
880-16754-5	C-5	Soluble	Solid	DI Leach	
880-16754-6	C-6	Soluble	Solid	DI Leach	
880-16754-7	C-7	Soluble	Solid	DI Leach	
880-16754-8	C-8	Soluble	Solid	DI Leach	
880-16754-9	C-9	Soluble	Solid	DI Leach	
880-16754-10	C-10	Soluble	Solid	DI Leach	
MB 880-29456/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29456/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29456/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16754-1 MS	C-1	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

HPLC/IC (Continued)

Leach Batch: 29456 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-1 MSD	C-1	Soluble	Solid	DI Leach	

Leach Batch: 29457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-11	C-11	Soluble	Solid	DI Leach	
880-16754-12	C-12	Soluble	Solid	DI Leach	
880-16754-13	C-13	Soluble	Solid	DI Leach	
880-16754-14	C-14	Soluble	Solid	DI Leach	
880-16754-15	C-15	Soluble	Solid	DI Leach	
880-16754-16	C-16	Soluble	Solid	DI Leach	
880-16754-17	C-17	Soluble	Solid	DI Leach	
880-16754-18	C-18	Soluble	Solid	DI Leach	
880-16754-19	C-19	Soluble	Solid	DI Leach	
880-16754-20	C-20	Soluble	Solid	DI Leach	
880-16754-21	C-21	Soluble	Solid	DI Leach	
880-16754-22	C-22	Soluble	Solid	DI Leach	
880-16754-23	C-23	Soluble	Solid	DI Leach	
880-16754-24	C-24	Soluble	Solid	DI Leach	
880-16754-25	C-25	Soluble	Solid	DI Leach	
880-16754-26	C-26	Soluble	Solid	DI Leach	
880-16754-27	C-27	Soluble	Solid	DI Leach	
880-16754-28	C-28	Soluble	Solid	DI Leach	
880-16754-29	C-29	Soluble	Solid	DI Leach	
880-16754-30	C-30	Soluble	Solid	DI Leach	
MB 880-29457/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29457/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29457/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16754-11 MS	C-11	Soluble	Solid	DI Leach	
880-16754-11 MSD	C-11	Soluble	Solid	DI Leach	
880-16754-21 MS	C-21	Soluble	Solid	DI Leach	
880-16754-21 MSD	C-21	Soluble	Solid	DI Leach	

Leach Batch: 29572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-31	C-31	Soluble	Solid	DI Leach	
880-16754-32	C-32	Soluble	Solid	DI Leach	
MB 880-29572/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29572/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29572/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16754-31 MS	C-31	Soluble	Solid	DI Leach	
880-16754-31 MSD	C-31	Soluble	Solid	DI Leach	

Analysis Batch: 29653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-1	C-1	Soluble	Solid	300.0	29456
880-16754-2	C-2	Soluble	Solid	300.0	29456
880-16754-3	C-3	Soluble	Solid	300.0	29456
880-16754-4	C-4	Soluble	Solid	300.0	29456
880-16754-5	C-5	Soluble	Solid	300.0	29456
880-16754-6	C-6	Soluble	Solid	300.0	29456
880-16754-7	C-7	Soluble	Solid	300.0	29456

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

HPLC/IC (Continued)

Analysis Batch: 29653 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-8	C-8	Soluble	Solid	300.0	29456
880-16754-9	C-9	Soluble	Solid	300.0	29456
880-16754-10	C-10	Soluble	Solid	300.0	29456
MB 880-29456/1-A	Method Blank	Soluble	Solid	300.0	29456
LCS 880-29456/2-A	Lab Control Sample	Soluble	Solid	300.0	29456
LCSD 880-29456/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29456
880-16754-1 MS	C-1	Soluble	Solid	300.0	29456
880-16754-1 MSD	C-1	Soluble	Solid	300.0	29456

Analysis Batch: 29655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-11	C-11	Soluble	Solid	300.0	29457
880-16754-12	C-12	Soluble	Solid	300.0	29457
880-16754-13	C-13	Soluble	Solid	300.0	29457
880-16754-14	C-14	Soluble	Solid	300.0	29457
880-16754-15	C-15	Soluble	Solid	300.0	29457
880-16754-16	C-16	Soluble	Solid	300.0	29457
880-16754-17	C-17	Soluble	Solid	300.0	29457
880-16754-18	C-18	Soluble	Solid	300.0	29457
880-16754-19	C-19	Soluble	Solid	300.0	29457
880-16754-20	C-20	Soluble	Solid	300.0	29457
880-16754-21	C-21	Soluble	Solid	300.0	29457
880-16754-22	C-22	Soluble	Solid	300.0	29457
880-16754-23	C-23	Soluble	Solid	300.0	29457
880-16754-24	C-24	Soluble	Solid	300.0	29457
880-16754-25	C-25	Soluble	Solid	300.0	29457
880-16754-26	C-26	Soluble	Solid	300.0	29457
880-16754-27	C-27	Soluble	Solid	300.0	29457
880-16754-28	C-28	Soluble	Solid	300.0	29457
880-16754-29	C-29	Soluble	Solid	300.0	29457
880-16754-30	C-30	Soluble	Solid	300.0	29457
MB 880-29457/1-A	Method Blank	Soluble	Solid	300.0	29457
LCS 880-29457/2-A	Lab Control Sample	Soluble	Solid	300.0	29457
LCSD 880-29457/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29457
880-16754-11 MS	C-11	Soluble	Solid	300.0	29457
880-16754-11 MSD	C-11	Soluble	Solid	300.0	29457
880-16754-21 MS	C-21	Soluble	Solid	300.0	29457
880-16754-21 MSD	C-21	Soluble	Solid	300.0	29457

Analysis Batch: 29761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16754-31	C-31	Soluble	Solid	300.0	29572
880-16754-32	C-32	Soluble	Solid	300.0	29572
MB 880-29572/1-A	Method Blank	Soluble	Solid	300.0	29572
LCS 880-29572/2-A	Lab Control Sample	Soluble	Solid	300.0	29572
LCSD 880-29572/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29572
880-16754-31 MS	C-31	Soluble	Solid	300.0	29572
880-16754-31 MSD	C-31	Soluble	Solid	300.0	29572

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-1

Lab Sample ID: 880-16754-1
Matrix: Solid
Date Collected: 07/07/22 12:00
Date Received: 07/11/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/15/22 18:37	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29506	07/12/22 08:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29503	07/12/22 16:23	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29456	07/11/22 15:50	SMC	XEN MID
Soluble	Analysis	300.0		1			29653	07/14/22 22:43	CH	XEN MID

Client Sample ID: C-2

Lab Sample ID: 880-16754-2
Matrix: Solid
Date Collected: 07/07/22 12:02
Date Received: 07/11/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/15/22 18:57	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29506	07/12/22 08:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29503	07/12/22 16:46	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	29456	07/11/22 15:50	SMC	XEN MID
Soluble	Analysis	300.0		1			29653	07/14/22 23:10	CH	XEN MID

Client Sample ID: C-3

Lab Sample ID: 880-16754-3
Matrix: Solid
Date Collected: 07/07/22 12:04
Date Received: 07/11/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/15/22 19:18	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 10:54	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29456	07/11/22 15:50	SMC	XEN MID
Soluble	Analysis	300.0		5			29653	07/14/22 23:20	CH	XEN MID

Client Sample ID: C-4

Lab Sample ID: 880-16754-4
Matrix: Solid
Date Collected: 07/07/22 12:06
Date Received: 07/11/22 13:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/15/22 19:38	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-4

Date Collected: 07/07/22 12:06
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 11:58	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29456	07/11/22 15:50	SMC	XEN MID
Soluble	Analysis	300.0		5			29653	07/14/22 23:47	CH	XEN MID

Client Sample ID: C-5

Date Collected: 07/07/22 12:08
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/15/22 19:59	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 14:30	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29456	07/11/22 15:50	SMC	XEN MID
Soluble	Analysis	300.0		5			29653	07/14/22 23:56	CH	XEN MID

Client Sample ID: C-6

Date Collected: 07/07/22 12:10
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/15/22 21:21	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 14:52	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	29456	07/11/22 15:50	SMC	XEN MID
Soluble	Analysis	300.0		5			29653	07/15/22 00:06	CH	XEN MID

Client Sample ID: C-7

Date Collected: 07/07/22 12:12
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/15/22 21:42	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 15:36	SM	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-7

Date Collected: 07/07/22 12:12
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	29456	07/11/22 15:50	SMC	XEN MID
Soluble	Analysis	300.0		5			29653	07/15/22 00:15	CH	XEN MID

Client Sample ID: C-8

Date Collected: 07/07/22 12:14
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/15/22 22:02	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 15:57	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	29456	07/11/22 15:50	SMC	XEN MID
Soluble	Analysis	300.0		1			29653	07/15/22 00:24	CH	XEN MID

Client Sample ID: C-9

Date Collected: 07/07/22 12:16
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/15/22 22:23	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 16:29	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	29456	07/11/22 15:50	SMC	XEN MID
Soluble	Analysis	300.0		5			29653	07/15/22 00:33	CH	XEN MID

Client Sample ID: C-10

Date Collected: 07/07/22 12:18
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/15/22 22:43	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 16:50	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	29456	07/11/22 15:50	SMC	XEN MID
Soluble	Analysis	300.0		5			29653	07/15/22 00:43	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-11

Date Collected: 07/07/22 12:20
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/15/22 23:04	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 17:12	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 07:19	CH	XEN MID

Client Sample ID: C-12

Date Collected: 07/07/22 12:22
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/15/22 23:24	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 17:34	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 07:47	CH	XEN MID

Client Sample ID: C-13

Date Collected: 07/07/22 12:24
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/15/22 23:45	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 17:55	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		5			29655	07/15/22 10:14	CH	XEN MID

Client Sample ID: C-14

Date Collected: 07/07/22 12:26
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 00:05	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-14

Date Collected: 07/07/22 12:26
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 18:16	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 08:05	CH	XEN MID

Client Sample ID: C-15

Date Collected: 07/07/22 12:28
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	29743	07/14/22 10:40	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 00:26	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 18:38	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 08:14	CH	XEN MID

Client Sample ID: C-16

Date Collected: 07/07/22 12:30
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 03:30	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 18:59	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 08:42	CH	XEN MID

Client Sample ID: C-17

Date Collected: 07/07/22 12:32
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 03:51	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 10:54	SM	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-17

Date Collected: 07/07/22 12:32
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 08:51	CH	XEN MID

Client Sample ID: C-18

Date Collected: 07/07/22 12:34
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 04:11	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 11:58	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 09:01	CH	XEN MID

Client Sample ID: C-19

Date Collected: 07/07/22 12:36
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 04:32	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 14:30	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 09:10	CH	XEN MID

Client Sample ID: C-20

Date Collected: 07/07/22 12:38
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 04:52	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 14:52	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 09:19	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-21
Date Collected: 07/07/22 12:40
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 05:13	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 15:36	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 09:28	CH	XEN MID

Client Sample ID: C-22
Date Collected: 07/07/22 12:42
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 05:33	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 15:57	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 09:56	CH	XEN MID

Client Sample ID: C-23
Date Collected: 07/07/22 12:44
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 05:54	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 16:29	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 10:05	CH	XEN MID

Client Sample ID: C-24
Date Collected: 07/07/22 12:46
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 06:14	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-24

Date Collected: 07/07/22 12:46
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 16:50	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 10:42	CH	XEN MID

Client Sample ID: C-25

Date Collected: 07/07/22 12:48
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 06:35	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 17:12	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 10:51	CH	XEN MID

Client Sample ID: C-26

Date Collected: 07/07/22 12:50
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 07:57	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 17:34	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 11:00	CH	XEN MID

Client Sample ID: C-27

Date Collected: 07/07/22 12:52
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 08:18	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 17:55	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-27
Date Collected: 07/07/22 12:52
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 11:10	CH	XEN MID

Client Sample ID: C-28
Date Collected: 07/07/22 12:54
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 08:38	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 18:16	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 11:19	CH	XEN MID

Client Sample ID: C-29
Date Collected: 07/07/22 12:56
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 08:59	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 18:38	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 11:28	CH	XEN MID

Client Sample ID: C-30
Date Collected: 07/07/22 12:58
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 09:19	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 18:59	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	29457	07/11/22 15:55	SMC	XEN MID
Soluble	Analysis	300.0		1			29655	07/15/22 11:37	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Client Sample ID: C-31

Date Collected: 07/07/22 13:00
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-31

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 09:40	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29563	07/12/22 15:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29603	07/13/22 17:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29572	07/12/22 16:02	KS	XEN MID
Soluble	Analysis	300.0		5			29761	07/15/22 12:51	CH	XEN MID

Client Sample ID: C-32

Date Collected: 07/07/22 13:02
Date Received: 07/11/22 13:01

Lab Sample ID: 880-16754-32

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	29745	07/14/22 10:56	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29791	07/16/22 10:00	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			29977	07/18/22 14:47	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29576	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29563	07/12/22 15:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29603	07/13/22 17:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29572	07/12/22 16:02	KS	XEN MID
Soluble	Analysis	300.0		5			29761	07/15/22 13:19	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc. Job ID: 880-16754-1
Project/Site: Candie #001 SDG: 2590, 2591, 2592

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-16754-1
SDG: 2590, 2591, 2592

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-16754-1	C-1	Solid	07/07/22 12:00	07/11/22 13:01
880-16754-2	C-2	Solid	07/07/22 12:02	07/11/22 13:01
880-16754-3	C-3	Solid	07/07/22 12:04	07/11/22 13:01
880-16754-4	C-4	Solid	07/07/22 12:06	07/11/22 13:01
880-16754-5	C-5	Solid	07/07/22 12:08	07/11/22 13:01
880-16754-6	C-6	Solid	07/07/22 12:10	07/11/22 13:01
880-16754-7	C-7	Solid	07/07/22 12:12	07/11/22 13:01
880-16754-8	C-8	Solid	07/07/22 12:14	07/11/22 13:01
880-16754-9	C-9	Solid	07/07/22 12:16	07/11/22 13:01
880-16754-10	C-10	Solid	07/07/22 12:18	07/11/22 13:01
880-16754-11	C-11	Solid	07/07/22 12:20	07/11/22 13:01
880-16754-12	C-12	Solid	07/07/22 12:22	07/11/22 13:01
880-16754-13	C-13	Solid	07/07/22 12:24	07/11/22 13:01
880-16754-14	C-14	Solid	07/07/22 12:26	07/11/22 13:01
880-16754-15	C-15	Solid	07/07/22 12:28	07/11/22 13:01
880-16754-16	C-16	Solid	07/07/22 12:30	07/11/22 13:01
880-16754-17	C-17	Solid	07/07/22 12:32	07/11/22 13:01
880-16754-18	C-18	Solid	07/07/22 12:34	07/11/22 13:01
880-16754-19	C-19	Solid	07/07/22 12:36	07/11/22 13:01
880-16754-20	C-20	Solid	07/07/22 12:38	07/11/22 13:01
880-16754-21	C-21	Solid	07/07/22 12:40	07/11/22 13:01
880-16754-22	C-22	Solid	07/07/22 12:42	07/11/22 13:01
880-16754-23	C-23	Solid	07/07/22 12:44	07/11/22 13:01
880-16754-24	C-24	Solid	07/07/22 12:46	07/11/22 13:01
880-16754-25	C-25	Solid	07/07/22 12:48	07/11/22 13:01
880-16754-26	C-26	Solid	07/07/22 12:50	07/11/22 13:01
880-16754-27	C-27	Solid	07/07/22 12:52	07/11/22 13:01
880-16754-28	C-28	Solid	07/07/22 12:54	07/11/22 13:01
880-16754-29	C-29	Solid	07/07/22 12:56	07/11/22 13:01
880-16754-30	C-30	Solid	07/07/22 12:58	07/11/22 13:01
880-16754-31	C-31	Solid	07/07/22 13:00	07/11/22 13:01
880-16754-32	C-32	Solid	07/07/22 13:02	07/11/22 13:01

No. 2590

16754 CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N Marienfeld, Ste 202
Midland, TX 79701
432-687-0901

DATE: 7/11/22 PAGE 1 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Candie #001

LAI PROJECT #: 20-0107-22 COLLECTOR: JR

Data Reported to

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State: MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl, HNO_3, H_2SO_4 ☐ NaOH ☐, ICE, UNPRESSERVED

ANALYSES: BTEX ☒ MTBE ☐ | TPH 418.1 ☐ | TPH 1005 ☐ | TPH 1006 ☐ | GASOLINE MOD 8015 ☒ | DIESEL - MOD 8015 ☒ | OIL - MOD 8015 ☒ | VOC 8260 ☐ | SVOC 8270 ☐ | PAH 8270 ☐ | HOLDPAH ☐ | 8081 PESTICIDES ☐ | 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ | TCLP VOC ☐ | TCLP - PEST ☐ | HERB ☐ | Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ | OTHER LIST ☐ | LEAD - TOTAL ☐ | D W 200.8 ☐ | TCLP ☐ | RCI ☐ | TOX ☐ | FLASHPOINT ☐ | TDS ☐ | TSS ☐ | % MOISTURE ☐ | CYANIDE ☐ | pH ☐ | HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ | PECHLORATE ☐ | CHLORIDES ☒ | ANIONS ☐ | ALKALINITY ☐

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES	FIELD NOTES
C-1		7/7	1200	S	1				X		X	
C-2		"	1202	"	"				X		X	
C-3		"	1204	"	"				X		X	
C-4		"	1206	"	"				X		X	
C-5		"	1208	"	"				X		X	
C-6		"	1210	"	"				X		X	
C-7		"	1212	"	"				X		X	
C-8		"	1214	"	"				X		X	
C-9		"	1216	"	"				X		X	
C-10		"	1218	"	"				X		X	
C-11		"	1220	"	"				X		X	
C-12		"	1222	"	"				X		X	
C-13		"	1224	"	"				X		X	
C-14		"	1226	"	"				X		X	
C-15		"	1228	"	"				X		X	

TOTAL 15

880-16754 Chain of Custody

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
DSQ	7/11/22 1301	
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP 4.4/4.2 THERM# IR-8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

No. 2591

16754 CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N Marienfeld, Ste 202
Midland, TX 79701
432-687-0901

DATE: 7/11/12 PAGE 2 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME Cardic #001

LAI PROJECT #: 20-0107-22 COLLECTOR: JR

Data Reported to

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☒ MTBE ☐ | TRPH 418.1 ☐ | TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☒ | DIESEL - MOD 8015 ☒ | OIL - MOD 8015 ☒ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	BTEX ☒	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-16		7/7	12:30	S	1				X		X		X	X	X													X		
C-17		"	12:32	"	"				"		"		"	"	"													"		
C-18		"	1234	"	"				"		"		"	"	"													"		
C-19		"	1236	"	"				"		"		"	"	"													"		
C-20		"	1238	"	"				"		"		"	"	"													"		
C-21		"	1240	"	"				"		"		"	"	"													"		
C-22		"	1242	"	"				"		"		"	"	"													"		
C-23		"	1244	"	"				"		"		"	"	"													"		
C-24		"	1246	"	"				"		"		"	"	"													"		
C-25		"	1248	"	"				"		"		"	"	"													"		
C-26		"	1250	"	"				"		"		"	"	"													"		
C-27		"	1252	"	"				"		"		"	"	"													"		
C-28		"	1254	"	"				"		"		"	"	"													"		
C-29		"	1256	"	"				"		"		"	"	"													"		
C-30		"	1258	"	"				"		"		"	"	"													"		
TOTAL 15																														

RELINQUISHED BY (Signature) DATE/TIME 7/11/12 1300 RECEIVED BY (Signature)

RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)

RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)

LABORATORY Xenco

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP 4/4/2 THERM# IR-2
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

No. 2592

16754 CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N Marienfeld, Ste 202
Midland, TX 79701
432-687-0901

DATE. 7/11/22 PAGE 3 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME. Cardre #121

LAI PROJECT #: 20-015722 COLLECTOR: JR

Data Reported to

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200 8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-31		7/7	13.00	S	1				X		X		X	X	X													X	
C-32		7/8	13.02	S	1				X		X		X	X	X													X	

Loc: 880
16754

TOTAL 2

RELINQUISHED BY (Signature) DATE/TIME 7/11/22 1201 RECEIVED BY (Signature)

RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)

RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)

LABORATORY Xenco

TURN AROUND TIME
NORMAL ☑
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP 4/4/2 THERM# IR-8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☑ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-16754-1
SDG Number: 2590, 2591, 2592

Login Number: 16754
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-17789-1
Laboratory Sample Delivery Group: 20-0107-22
Client Project/Site: Candie #001

For:
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
8/12/2022 4:02:51 PM

Holly Taylor, Project Manager
(806)794-1296
Holly.Taylor@et.eurofinsus.com

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Laboratory Job ID: 880-17789-1
SDG: 20-0107-22

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Job ID: 880-17789-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-17789-1

Comments
No additional comments.

Receipt
The samples were received on 8/5/2022 9:17 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.1° C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: C-35 (880-17789-3), C-36 (880-17789-4), C-37 (880-17789-5), C-13 (880-17789-6) and C-27 (880-17789-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-31941/2). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-31941/20). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-31941/33), (LCS 880-31942/1-A) and (LCSD 880-31942/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-17789-A-8-C MS) and (880-17789-A-8-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: C-23 (880-17789-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8015B NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-31618 and analytical batch 880-31627 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: C-37 (880-17789-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Client Sample ID: C-33

Date Collected: 08/04/22 09:55
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/22 13:38	08/12/22 09:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/22 13:38	08/12/22 09:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/22 13:38	08/12/22 09:19	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/11/22 13:38	08/12/22 09:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/22 13:38	08/12/22 09:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/22 13:38	08/12/22 09:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*08/11/22 13:38*	*08/12/22 09:19*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/11/22 13:38*	*08/12/22 09:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/11/22 10:31	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/08/22 10:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/05/22 12:01	08/06/22 18:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/05/22 12:01	08/06/22 18:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/05/22 12:01	08/06/22 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*08/05/22 12:01*	*08/06/22 18:07*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*08/05/22 12:01*	*08/06/22 18:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**240**		25.3		mg/Kg			08/12/22 02:47	5

Client Sample ID: C-34

Date Collected: 08/04/22 09:59
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-2

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/22 13:38	08/12/22 09:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/22 13:38	08/12/22 09:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/22 13:38	08/12/22 09:40	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/11/22 13:38	08/12/22 09:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/22 13:38	08/12/22 09:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/22 13:38	08/12/22 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*08/11/22 13:38*	*08/12/22 09:40*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*08/11/22 13:38*	*08/12/22 09:40*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Client Sample ID: C-34

Date Collected: 08/04/22 09:59
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-2

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/11/22 10:31	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/08/22 10:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/05/22 12:01	08/06/22 18:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/05/22 12:01	08/06/22 18:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/05/22 12:01	08/06/22 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*08/05/22 12:01*	*08/06/22 18:29*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*08/05/22 12:01*	*08/06/22 18:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**163**		24.9		mg/Kg			08/12/22 03:10	5

Client Sample ID: C-35

Date Collected: 08/04/22 10:01
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00230**		0.00201		mg/Kg		08/10/22 14:27	08/10/22 23:56	1
Toluene	**0.0129**		0.00201		mg/Kg		08/10/22 14:27	08/10/22 23:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/10/22 14:27	08/10/22 23:56	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/10/22 14:27	08/10/22 23:56	1
o-Xylene	**0.00223**		0.00201		mg/Kg		08/10/22 14:27	08/10/22 23:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/10/22 14:27	08/10/22 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*08/10/22 14:27*	*08/10/22 23:56*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*08/10/22 14:27*	*08/10/22 23:56*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0174**		0.00402		mg/Kg			08/11/22 10:31	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/08/22 10:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 18:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 18:50	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Client Sample ID: C-35

Date Collected: 08/04/22 10:01
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-3

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*08/05/22 12:01*	*08/06/22 18:50*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*08/05/22 12:01*	*08/06/22 18:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.6**		25.3		mg/Kg			08/12/22 03:18	5

Client Sample ID: C-36

Date Collected: 08/04/22 10:02
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/10/22 14:27	08/11/22 00:17	1
Toluene	**0.00647**		0.00202		mg/Kg		08/10/22 14:27	08/11/22 00:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/10/22 14:27	08/11/22 00:17	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		08/10/22 14:27	08/11/22 00:17	1
o-Xylene	**0.00298**		0.00202		mg/Kg		08/10/22 14:27	08/11/22 00:17	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/10/22 14:27	08/11/22 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*160*	*S1+*	*70 - 130*	*08/10/22 14:27*	*08/11/22 00:17*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*08/10/22 14:27*	*08/11/22 00:17*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00945**		0.00403		mg/Kg			08/11/22 10:31	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/08/22 10:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 19:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 19:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*08/05/22 12:01*	*08/06/22 19:12*	*1*
o-Terphenyl (Surr)	*116*		*70 - 130*	*08/05/22 12:01*	*08/06/22 19:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<25.0	U	25.0		mg/Kg			08/12/22 03:42	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Client Sample ID: C-37

Date Collected: 08/04/22 10:04
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-5

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/22 14:27	08/11/22 00:38	1
Toluene	**0.00821**		0.00200		mg/Kg		08/10/22 14:27	08/11/22 00:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/22 14:27	08/11/22 00:38	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		08/10/22 14:27	08/11/22 00:38	1
o-Xylene	**0.00295**		0.00200		mg/Kg		08/10/22 14:27	08/11/22 00:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/10/22 14:27	08/11/22 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*08/10/22 14:27*	*08/11/22 00:38*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*08/10/22 14:27*	*08/11/22 00:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0112**		0.00399		mg/Kg			08/11/22 10:31	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/08/22 10:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 19:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 19:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*120*		*70 - 130*	*08/05/22 12:01*	*08/06/22 19:33*	*1*
o-Terphenyl (Surr)	*135*	*S1+*	*70 - 130*	*08/05/22 12:01*	*08/06/22 19:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**373**		24.9		mg/Kg			08/12/22 03:50	5

Client Sample ID: C-13

Date Collected: 08/04/22 10:39
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-6

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/10/22 14:27	08/11/22 00:58	1
Toluene	**0.00471**		0.00198		mg/Kg		08/10/22 14:27	08/11/22 00:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/10/22 14:27	08/11/22 00:58	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		08/10/22 14:27	08/11/22 00:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/10/22 14:27	08/11/22 00:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/10/22 14:27	08/11/22 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*08/10/22 14:27*	*08/11/22 00:58*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*08/10/22 14:27*	*08/11/22 00:58*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Client Sample ID: C-13

Date Collected: 08/04/22 10:39
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-6

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00471**		0.00396		mg/Kg			08/11/22 10:31	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/08/22 10:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 19:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 19:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*08/05/22 12:01*	*08/06/22 19:55*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*08/05/22 12:01*	*08/06/22 19:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**377**		24.8		mg/Kg			08/12/22 03:57	5

Client Sample ID: C-27

Date Collected: 08/04/22 11:58
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-7

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/10/22 14:27	08/11/22 01:19	1
Toluene	**0.00463**		0.00202		mg/Kg		08/10/22 14:27	08/11/22 01:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/10/22 14:27	08/11/22 01:19	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		08/10/22 14:27	08/11/22 01:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/10/22 14:27	08/11/22 01:19	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/10/22 14:27	08/11/22 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*08/10/22 14:27*	*08/11/22 01:19*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*08/10/22 14:27*	*08/11/22 01:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00463**		0.00403		mg/Kg			08/11/22 10:31	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/08/22 10:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/05/22 16:17	08/06/22 15:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/05/22 16:17	08/06/22 15:08	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Client Sample ID: C-27

Date Collected: 08/04/22 11:58
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-7

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/22 16:17	08/06/22 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*84*		*70 - 130*	*08/05/22 16:17*	*08/06/22 15:08*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*08/05/22 16:17*	*08/06/22 15:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**307**		25.2		mg/Kg			08/12/22 04:05	5

Client Sample ID: C-23

Date Collected: 08/04/22 13:42
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-8

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/22 08:19	08/12/22 02:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/22 08:19	08/12/22 02:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/22 08:19	08/12/22 02:23	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/11/22 08:19	08/12/22 02:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/22 08:19	08/12/22 02:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/22 08:19	08/12/22 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*08/11/22 08:19*	*08/12/22 02:23*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*08/11/22 08:19*	*08/12/22 02:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/11/22 10:31	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/08/22 10:24	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/05/22 16:17	08/06/22 15:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/05/22 16:17	08/06/22 15:28	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/22 16:17	08/06/22 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*86*		*70 - 130*	*08/05/22 16:17*	*08/06/22 15:28*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*08/05/22 16:17*	*08/06/22 15:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.6**		25.0		mg/Kg			08/12/22 04:13	5

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-17789-1	C-33	82	95
880-17789-2	C-34	94	97
880-17789-3	C-35	147 S1+	117
880-17789-4	C-36	160 S1+	123
880-17789-5	C-37	150 S1+	121
880-17789-6	C-13	153 S1+	123
880-17789-7	C-27	151 S1+	120
880-17789-8	C-23	152 S1+	72
880-17789-8 MS	C-23	152 S1+	79
880-17789-8 MSD	C-23	165 S1+	88
LCS 880-31915/1-A	Lab Control Sample	95	96
LCS 880-31942/1-A	Lab Control Sample	155 S1+	76
LCS 880-32010/1-A	Lab Control Sample	101	98
LCSD 880-31915/2-A	Lab Control Sample Dup	93	95
LCSD 880-31942/2-A	Lab Control Sample Dup	155 S1+	71
LCSD 880-32010/2-A	Lab Control Sample Dup	99	100
MB 880-31861/5-A	Method Blank	93	104
MB 880-31915/5-A	Method Blank	92	94
MB 880-31941/8	Method Blank	110	74
MB 880-31942/5-A	Method Blank	115	71
MB 880-32010/5-A	Method Blank	93	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-17789-1	C-33	96	105
880-17789-2	C-34	95	107
880-17789-3	C-35	91	98
880-17789-4	C-36	104	116
880-17789-5	C-37	120	135 S1+
880-17789-6	C-13	83	93
880-17789-7	C-27	84	93
880-17789-8	C-23	86	95
LCS 880-31578/2-A	Lab Control Sample	104	109
LCS 880-31618/2-A	Lab Control Sample	88	89
LCSD 880-31578/3-A	Lab Control Sample Dup	111	117
LCSD 880-31618/3-A	Lab Control Sample Dup	97	102
MB 880-31578/1-A	Method Blank	84	102
MB 880-31618/1-A	Method Blank	79	92

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-31861/5-A
Matrix: Solid
Analysis Batch: 32007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31861

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/09/22 15:47	08/11/22 15:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/09/22 15:47	08/11/22 15:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/09/22 15:47	08/11/22 15:56	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/09/22 15:47	08/11/22 15:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/09/22 15:47	08/11/22 15:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/09/22 15:47	08/11/22 15:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*08/09/22 15:47*	*08/11/22 15:56*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*08/09/22 15:47*	*08/11/22 15:56*	*1*

Lab Sample ID: MB 880-31915/5-A
Matrix: Solid
Analysis Batch: 31916

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31915

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/22 14:27	08/10/22 17:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/22 14:27	08/10/22 17:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/22 14:27	08/10/22 17:20	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/10/22 14:27	08/10/22 17:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/22 14:27	08/10/22 17:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/10/22 14:27	08/10/22 17:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*08/10/22 14:27*	*08/10/22 17:20*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*08/10/22 14:27*	*08/10/22 17:20*	*1*

Lab Sample ID: LCS 880-31915/1-A
Matrix: Solid
Analysis Batch: 31916

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31915

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1073		mg/Kg		107	70 - 130		
Toluene			0.100	0.1051		mg/Kg		105	70 - 130		
Ethylbenzene			0.100	0.08662		mg/Kg		87	70 - 130		
m,p-Xylenes			0.200	0.1786		mg/Kg		89	70 - 130		
o-Xylene			0.100	0.08791		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-31915/2-A
Matrix: Solid
Analysis Batch: 31916

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31915

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1074		mg/Kg		107	70 - 130	0	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-31915/2-A
Matrix: Solid
Analysis Batch: 31916

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31915

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1040		mg/Kg		104	70 - 130	1	35
Ethylbenzene			0.100	0.08535		mg/Kg		85	70 - 130	1	35
m,p-Xylenes			0.200	0.1757		mg/Kg		88	70 - 130	2	35
o-Xylene			0.100	0.08642		mg/Kg		86	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-31941/8
Matrix: Solid
Analysis Batch: 31941

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			08/11/22 12:08	1
Toluene	<0.00200	U	0.00200		mg/Kg			08/11/22 12:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			08/11/22 12:08	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg			08/11/22 12:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			08/11/22 12:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			08/11/22 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*08/11/22 12:08*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*		*08/11/22 12:08*	*1*

Lab Sample ID: MB 880-31942/5-A
Matrix: Solid
Analysis Batch: 31941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31942

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/22 08:19	08/12/22 01:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/22 08:19	08/12/22 01:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/22 08:19	08/12/22 01:56	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/22 08:19	08/12/22 01:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/22 08:19	08/12/22 01:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/22 08:19	08/12/22 01:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*08/11/22 08:19*	*08/12/22 01:56*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*08/11/22 08:19*	*08/12/22 01:56*	*1*

Lab Sample ID: LCS 880-31942/1-A
Matrix: Solid
Analysis Batch: 31941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31942

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09898		mg/Kg		99	70 - 130		
Toluene			0.100	0.1019		mg/Kg		102	70 - 130		

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-31942/1-A
Matrix: Solid
Analysis Batch: 31941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31942

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylbenzene			0.100	0.1000		mg/Kg		100	70 - 130		
m,p-Xylenes			0.200	0.2027		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.1140		mg/Kg		114	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*

Lab Sample ID: LCSD 880-31942/2-A
Matrix: Solid
Analysis Batch: 31941

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31942

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08891		mg/Kg		89	70 - 130	11	35
Toluene			0.100	0.09899		mg/Kg		99	70 - 130	3	35
Ethylbenzene			0.100	0.1011		mg/Kg		101	70 - 130	1	35
m,p-Xylenes			0.200	0.2053		mg/Kg		103	70 - 130	1	35
o-Xylene			0.100	0.1113		mg/Kg		111	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*

Lab Sample ID: 880-17789-8 MS
Matrix: Solid
Analysis Batch: 31941

Client Sample ID: C-23
Prep Type: Total/NA
Prep Batch: 31942

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.101	0.08147		mg/Kg		81	70 - 130		
Toluene	<0.00201	U	0.101	0.08453		mg/Kg		84	70 - 130		
Ethylbenzene	<0.00201	U	0.101	0.08474		mg/Kg		84	70 - 130		
m,p-Xylenes	<0.00402	U	0.202	0.1706		mg/Kg		84	70 - 130		
o-Xylene	<0.00201	U	0.101	0.09233		mg/Kg		91	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*

Lab Sample ID: 880-17789-8 MSD
Matrix: Solid
Analysis Batch: 31941

Client Sample ID: C-23
Prep Type: Total/NA
Prep Batch: 31942

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09700		mg/Kg		97	70 - 130	17	35
Toluene	<0.00201	U	0.100	0.09731		mg/Kg		97	70 - 130	14	35
Ethylbenzene	<0.00201	U	0.100	0.09726		mg/Kg		97	70 - 130	14	35
m,p-Xylenes	<0.00402	U	0.200	0.1961		mg/Kg		98	70 - 130	14	35
o-Xylene	<0.00201	U	0.100	0.1061		mg/Kg		106	70 - 130	14	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: MB 880-32010/5-A
Matrix: Solid
Analysis Batch: 32007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32010

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/22 13:38	08/12/22 03:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/22 13:38	08/12/22 03:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/22 13:38	08/12/22 03:35	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/22 13:38	08/12/22 03:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/22 13:38	08/12/22 03:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/22 13:38	08/12/22 03:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	08/11/22 13:38	08/12/22 03:35	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/11/22 13:38	08/12/22 03:35	1

Lab Sample ID: LCS 880-32010/1-A
Matrix: Solid
Analysis Batch: 32007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32010

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09744		mg/Kg		97	70 - 130		
Toluene			0.100	0.1021		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.1056		mg/Kg		106	70 - 130		
m,p-Xylenes			0.200	0.2158		mg/Kg		108	70 - 130		
o-Xylene			0.100	0.1072		mg/Kg		107	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-32010/2-A
Matrix: Solid
Analysis Batch: 32007

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32010

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1031		mg/Kg		103	70 - 130	6	35
Toluene			0.100	0.1017		mg/Kg		102	70 - 130	0	35
Ethylbenzene			0.100	0.1052		mg/Kg		105	70 - 130	0	35
m,p-Xylenes			0.200	0.2144		mg/Kg		107	70 - 130	1	35
o-Xylene			0.100	0.1051		mg/Kg		105	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-31578/1-A
Matrix: Solid
Analysis Batch: 31631

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31578

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 10:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 10:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/22 12:01	08/06/22 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*84*		*70 - 130*	*08/05/22 12:01*	*08/06/22 10:56*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*08/05/22 12:01*	*08/06/22 10:56*	*1*

Lab Sample ID: LCS 880-31578/2-A
Matrix: Solid
Analysis Batch: 31631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31578

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1002		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1012		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-31578/3-A
Matrix: Solid
Analysis Batch: 31631

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31578

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1112		mg/Kg		111	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	1060		mg/Kg		106	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*111*		*70 - 130*
o-Terphenyl (Surr)	*117*		*70 - 130*

Lab Sample ID: MB 880-31618/1-A
Matrix: Solid
Analysis Batch: 31627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31618

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/05/22 16:17	08/06/22 11:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/05/22 16:17	08/06/22 11:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/22 16:17	08/06/22 11:37	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-31618/1-A
Matrix: Solid
Analysis Batch: 31627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31618

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130	08/05/22 16:17	08/06/22 11:37	1
o-Terphenyl (Surr)	92		70 - 130	08/05/22 16:17	08/06/22 11:37	1

Lab Sample ID: LCS 880-31618/2-A
Matrix: Solid
Analysis Batch: 31627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	813.7		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	790.8		mg/Kg		79	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	88		70 - 130
o-Terphenyl (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-31618/3-A
Matrix: Solid
Analysis Batch: 31627

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31618

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	960.1		mg/Kg		96	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	1000	879.6		mg/Kg		88	70 - 130	11	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	102		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-31648/1-A
Matrix: Solid
Analysis Batch: 31929

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/12/22 00:33	1

Lab Sample ID: LCS 880-31648/2-A
Matrix: Solid
Analysis Batch: 31929

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.5		mg/Kg		98	90 - 110

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-31648/3-A
Matrix: Solid
Analysis Batch: 31929

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	245.5		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-17789-1 MS
Matrix: Solid
Analysis Batch: 31929

Client Sample ID: C-33
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	240		1260	1623		mg/Kg		110	90 - 110		

Lab Sample ID: 880-17789-1 MSD
Matrix: Solid
Analysis Batch: 31929

Client Sample ID: C-33
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	240		1260	1625		mg/Kg		110	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

GC VOA

Prep Batch: 31861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31861/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 31915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-3	C-35	Total/NA	Solid	5035	
880-17789-4	C-36	Total/NA	Solid	5035	
880-17789-5	C-37	Total/NA	Solid	5035	
880-17789-6	C-13	Total/NA	Solid	5035	
880-17789-7	C-27	Total/NA	Solid	5035	
MB 880-31915/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31915/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31915/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 31916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-3	C-35	Total/NA	Solid	8021B	31915
880-17789-4	C-36	Total/NA	Solid	8021B	31915
880-17789-5	C-37	Total/NA	Solid	8021B	31915
880-17789-6	C-13	Total/NA	Solid	8021B	31915
880-17789-7	C-27	Total/NA	Solid	8021B	31915
MB 880-31915/5-A	Method Blank	Total/NA	Solid	8021B	31915
LCS 880-31915/1-A	Lab Control Sample	Total/NA	Solid	8021B	31915
LCSD 880-31915/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31915

Analysis Batch: 31941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-8	C-23	Total/NA	Solid	8021B	31942
MB 880-31941/8	Method Blank	Total/NA	Solid	8021B	
MB 880-31942/5-A	Method Blank	Total/NA	Solid	8021B	31942
LCS 880-31942/1-A	Lab Control Sample	Total/NA	Solid	8021B	31942
LCSD 880-31942/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31942
880-17789-8 MS	C-23	Total/NA	Solid	8021B	31942
880-17789-8 MSD	C-23	Total/NA	Solid	8021B	31942

Prep Batch: 31942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-8	C-23	Total/NA	Solid	5035	
MB 880-31942/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31942/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31942/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17789-8 MS	C-23	Total/NA	Solid	5035	
880-17789-8 MSD	C-23	Total/NA	Solid	5035	

Analysis Batch: 31990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-1	C-33	Total/NA	Solid	Total BTEX	
880-17789-2	C-34	Total/NA	Solid	Total BTEX	
880-17789-3	C-35	Total/NA	Solid	Total BTEX	
880-17789-4	C-36	Total/NA	Solid	Total BTEX	
880-17789-5	C-37	Total/NA	Solid	Total BTEX	
880-17789-6	C-13	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

GC VOA (Continued)

Analysis Batch: 31990 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-7	C-27	Total/NA	Solid	Total BTEX	
880-17789-8	C-23	Total/NA	Solid	Total BTEX	

Analysis Batch: 32007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-1	C-33	Total/NA	Solid	8021B	32010
880-17789-2	C-34	Total/NA	Solid	8021B	32010
MB 880-31861/5-A	Method Blank	Total/NA	Solid	8021B	31861
MB 880-32010/5-A	Method Blank	Total/NA	Solid	8021B	32010
LCS 880-32010/1-A	Lab Control Sample	Total/NA	Solid	8021B	32010
LCSD 880-32010/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	32010

Prep Batch: 32010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-1	C-33	Total/NA	Solid	5035	
880-17789-2	C-34	Total/NA	Solid	5035	
MB 880-32010/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-32010/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-32010/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 31578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-1	C-33	Total/NA	Solid	8015NM Prep	
880-17789-2	C-34	Total/NA	Solid	8015NM Prep	
880-17789-3	C-35	Total/NA	Solid	8015NM Prep	
880-17789-4	C-36	Total/NA	Solid	8015NM Prep	
880-17789-5	C-37	Total/NA	Solid	8015NM Prep	
880-17789-6	C-13	Total/NA	Solid	8015NM Prep	
MB 880-31578/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31578/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31578/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 31618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-7	C-27	Total/NA	Solid	8015NM Prep	
880-17789-8	C-23	Total/NA	Solid	8015NM Prep	
MB 880-31618/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31618/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31618/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 31627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-7	C-27	Total/NA	Solid	8015B NM	31618
880-17789-8	C-23	Total/NA	Solid	8015B NM	31618
MB 880-31618/1-A	Method Blank	Total/NA	Solid	8015B NM	31618
LCS 880-31618/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31618
LCSD 880-31618/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31618

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

GC Semi VOA

Analysis Batch: 31631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-1	C-33	Total/NA	Solid	8015B NM	31578
880-17789-2	C-34	Total/NA	Solid	8015B NM	31578
880-17789-3	C-35	Total/NA	Solid	8015B NM	31578
880-17789-4	C-36	Total/NA	Solid	8015B NM	31578
880-17789-5	C-37	Total/NA	Solid	8015B NM	31578
880-17789-6	C-13	Total/NA	Solid	8015B NM	31578
MB 880-31578/1-A	Method Blank	Total/NA	Solid	8015B NM	31578
LCS 880-31578/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31578
LCSD 880-31578/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31578

Analysis Batch: 31721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-1	C-33	Total/NA	Solid	8015 NM	
880-17789-2	C-34	Total/NA	Solid	8015 NM	
880-17789-3	C-35	Total/NA	Solid	8015 NM	
880-17789-4	C-36	Total/NA	Solid	8015 NM	
880-17789-5	C-37	Total/NA	Solid	8015 NM	
880-17789-6	C-13	Total/NA	Solid	8015 NM	
880-17789-7	C-27	Total/NA	Solid	8015 NM	
880-17789-8	C-23	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 31648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-1	C-33	Soluble	Solid	DI Leach	
880-17789-2	C-34	Soluble	Solid	DI Leach	
880-17789-3	C-35	Soluble	Solid	DI Leach	
880-17789-4	C-36	Soluble	Solid	DI Leach	
880-17789-5	C-37	Soluble	Solid	DI Leach	
880-17789-6	C-13	Soluble	Solid	DI Leach	
880-17789-7	C-27	Soluble	Solid	DI Leach	
880-17789-8	C-23	Soluble	Solid	DI Leach	
MB 880-31648/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-31648/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-31648/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17789-1 MS	C-33	Soluble	Solid	DI Leach	
880-17789-1 MSD	C-33	Soluble	Solid	DI Leach	

Analysis Batch: 31929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17789-1	C-33	Soluble	Solid	300.0	31648
880-17789-2	C-34	Soluble	Solid	300.0	31648
880-17789-3	C-35	Soluble	Solid	300.0	31648
880-17789-4	C-36	Soluble	Solid	300.0	31648
880-17789-5	C-37	Soluble	Solid	300.0	31648
880-17789-6	C-13	Soluble	Solid	300.0	31648
880-17789-7	C-27	Soluble	Solid	300.0	31648
880-17789-8	C-23	Soluble	Solid	300.0	31648
MB 880-31648/1-A	Method Blank	Soluble	Solid	300.0	31648
LCS 880-31648/2-A	Lab Control Sample	Soluble	Solid	300.0	31648

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

HPLC/IC (Continued)

Analysis Batch: 31929 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-31648/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	31648
880-17789-1 MS	C-33	Soluble	Solid	300.0	31648
880-17789-1 MSD	C-33	Soluble	Solid	300.0	31648

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Client Sample ID: C-33
Date Collected: 08/04/22 09:55
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	32010	08/11/22 13:38	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32007	08/12/22 09:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31990	08/11/22 10:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			31721	08/08/22 10:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31578	08/05/22 12:01	DM	EET MID
Total/NA	Analysis	8015B NM		1			31631	08/06/22 18:07	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	31648	08/06/22 16:54	CH	EET MID
Soluble	Analysis	300.0		5			31929	08/12/22 02:47	AJ	EET MID

Client Sample ID: C-34
Date Collected: 08/04/22 09:59
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	32010	08/11/22 13:38	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32007	08/12/22 09:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31990	08/11/22 10:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			31721	08/08/22 10:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31578	08/05/22 12:01	DM	EET MID
Total/NA	Analysis	8015B NM		1			31631	08/06/22 18:29	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	31648	08/06/22 16:54	CH	EET MID
Soluble	Analysis	300.0		5			31929	08/12/22 03:10	AJ	EET MID

Client Sample ID: C-35
Date Collected: 08/04/22 10:01
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	31915	08/10/22 14:27	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31916	08/10/22 23:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31990	08/11/22 10:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			31721	08/08/22 10:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31578	08/05/22 12:01	DM	EET MID
Total/NA	Analysis	8015B NM		1			31631	08/06/22 18:50	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	31648	08/06/22 16:54	CH	EET MID
Soluble	Analysis	300.0		5			31929	08/12/22 03:18	AJ	EET MID

Client Sample ID: C-36
Date Collected: 08/04/22 10:02
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	31915	08/10/22 14:27	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31916	08/11/22 00:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31990	08/11/22 10:31	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Client Sample ID: C-36
Date Collected: 08/04/22 10:02
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			31721	08/08/22 10:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31578	08/05/22 12:01	DM	EET MID
Total/NA	Analysis	8015B NM		1			31631	08/06/22 19:12	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	31648	08/06/22 16:54	CH	EET MID
Soluble	Analysis	300.0		5			31929	08/12/22 03:42	AJ	EET MID

Client Sample ID: C-37
Date Collected: 08/04/22 10:04
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	31915	08/10/22 14:27	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31916	08/11/22 00:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31990	08/11/22 10:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			31721	08/08/22 10:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31578	08/05/22 12:01	DM	EET MID
Total/NA	Analysis	8015B NM		1			31631	08/06/22 19:33	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	31648	08/06/22 16:54	CH	EET MID
Soluble	Analysis	300.0		5			31929	08/12/22 03:50	AJ	EET MID

Client Sample ID: C-13
Date Collected: 08/04/22 10:39
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	31915	08/10/22 14:27	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31916	08/11/22 00:58	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31990	08/11/22 10:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			31721	08/08/22 10:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31578	08/05/22 12:01	DM	EET MID
Total/NA	Analysis	8015B NM		1			31631	08/06/22 19:55	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	31648	08/06/22 16:54	CH	EET MID
Soluble	Analysis	300.0		5			31929	08/12/22 03:57	AJ	EET MID

Client Sample ID: C-27
Date Collected: 08/04/22 11:58
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	31915	08/10/22 14:27	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31916	08/11/22 01:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31990	08/11/22 10:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			31721	08/08/22 10:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31618	08/05/22 16:17	DM	EET MID
Total/NA	Analysis	8015B NM		1			31627	08/06/22 15:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Client Sample ID: C-27

Date Collected: 08/04/22 11:58
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	31648	08/06/22 16:54	CH	EET MID
Soluble	Analysis	300.0		5			31929	08/12/22 04:05	AJ	EET MID

Client Sample ID: C-23

Date Collected: 08/04/22 13:42
Date Received: 08/05/22 09:17

Lab Sample ID: 880-17789-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	31942	08/11/22 08:19	EL	EET MID
Total/NA	Analysis	8021B		1			31941	08/12/22 02:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31990	08/11/22 10:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			31721	08/08/22 10:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31618	08/05/22 16:17	DM	EET MID
Total/NA	Analysis	8015B NM		1			31627	08/06/22 15:28	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	31648	08/06/22 16:54	CH	EET MID
Soluble	Analysis	300.0		5			31929	08/12/22 04:13	AJ	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-17789-1
Project/Site: Candie #001 SDG: 20-0107-22

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Candie #001

Job ID: 880-17789-1
SDG: 20-0107-22

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-17789-1	C-33	Solid	08/04/22 09:55	08/05/22 09:17
880-17789-2	C-34	Solid	08/04/22 09:59	08/05/22 09:17
880-17789-3	C-35	Solid	08/04/22 10:01	08/05/22 09:17
880-17789-4	C-36	Solid	08/04/22 10:02	08/05/22 09:17
880-17789-5	C-37	Solid	08/04/22 10:04	08/05/22 09:17
880-17789-6	C-13	Solid	08/04/22 10:39	08/05/22 09:17
880-17789-7	C-27	Solid	08/04/22 11:58	08/05/22 09:17
880-17789-8	C-23	Solid	08/04/22 13:42	08/05/22 09:17

No. 2637

17789 CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N Marienfeld, Ste 202
Midland, TX 79701
432-687-0901

Data Reported to

DATE: 8/5/2022 PAGE 1 OF 1

PO#. LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Landie #001

LAI PROJECT #: 20-0107-22 COLLECTOR: RW + PM

TRRP report? ☐ Yes ☒ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

TIME ZONE
Time zone/State: MST / NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP - PEST ☐ HERB ☐	TCLP VOC ☐	TOTAL METALS (RCRA) ☐	Semi-VOC ☐	LEAD - TOTAL ☐ DW 200.8 ☐	OTHER LIST ☐	RCI ☐ TOX ☐	TCLP ☐	TDS ☐ TSS ☐	FLASHPOINT ☐	pH ☐	% MOISTURE ☐	HEXAVALENT CHROMIUM ☐	CYANIDE ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDES ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-33		8/4/22	0955	S	1				X		X			X	X	X																				X					
C-34		"	0959	"	"				"		"			"	"	"																				"					
C-35			1001																																					
C-36			1002																																					
C-37			1004																																					
C-13			1039																																					
C-27			1158																																					
C-23		"	1342	"	"				"		"			"	"	"																				"					

880-17789 Chain of Custody

TOTAL

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
	8/5/22 0917	
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP 4.9/5.1 THERM# IR8 20
CUSTODY SEALS - ☐ BROKEN ☑ INTACT ☐ NOT USED
☐ CARRIER BILL #
☑ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-17789-1
SDG Number: 20-0107-22

Login Number: 17789
List Number: 1
Creator: Rodriguez, Leticia

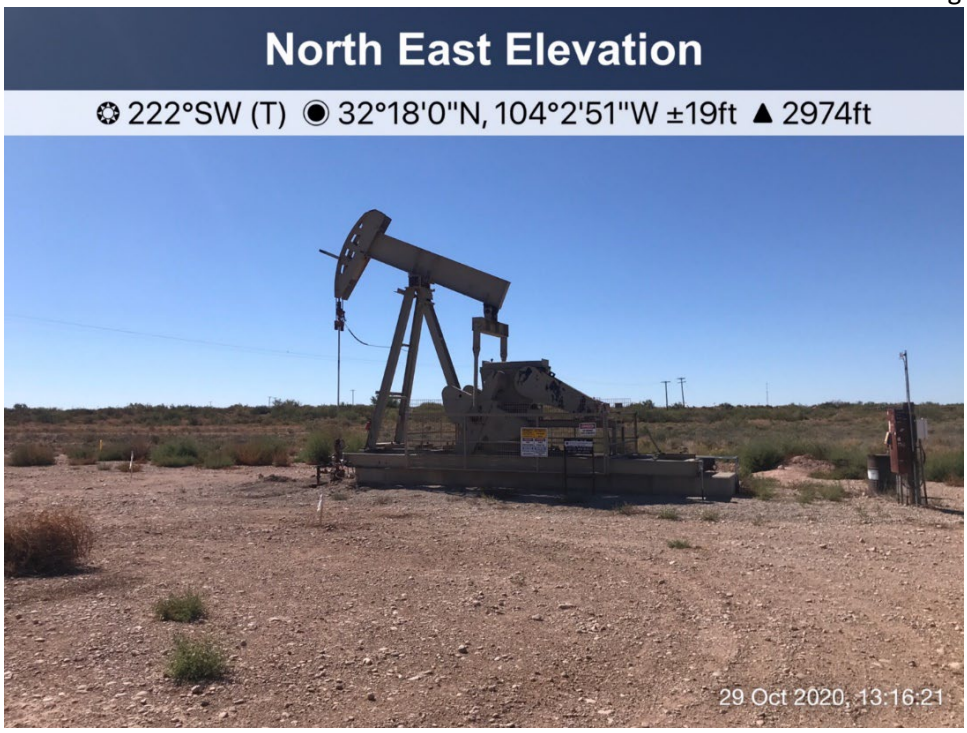
List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

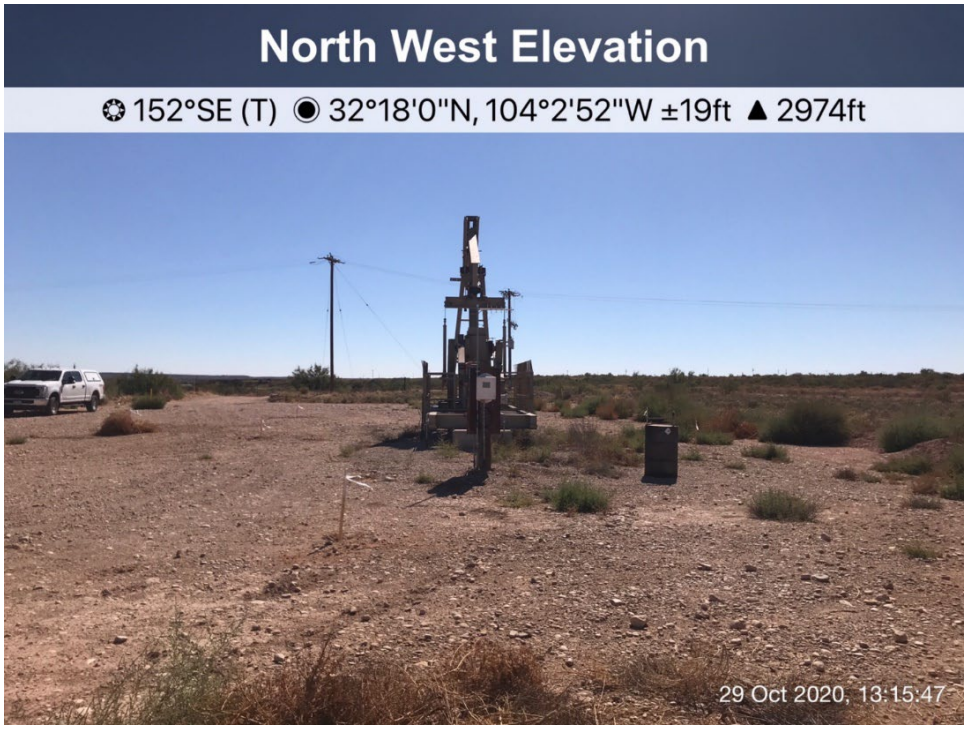
Appendix E

Photographs

Tracking Number: nRM2027951383
Closure Report
Chevron USA, Inc., Candie #001
Produced Water and Crude Oil Release
August 23, 2022



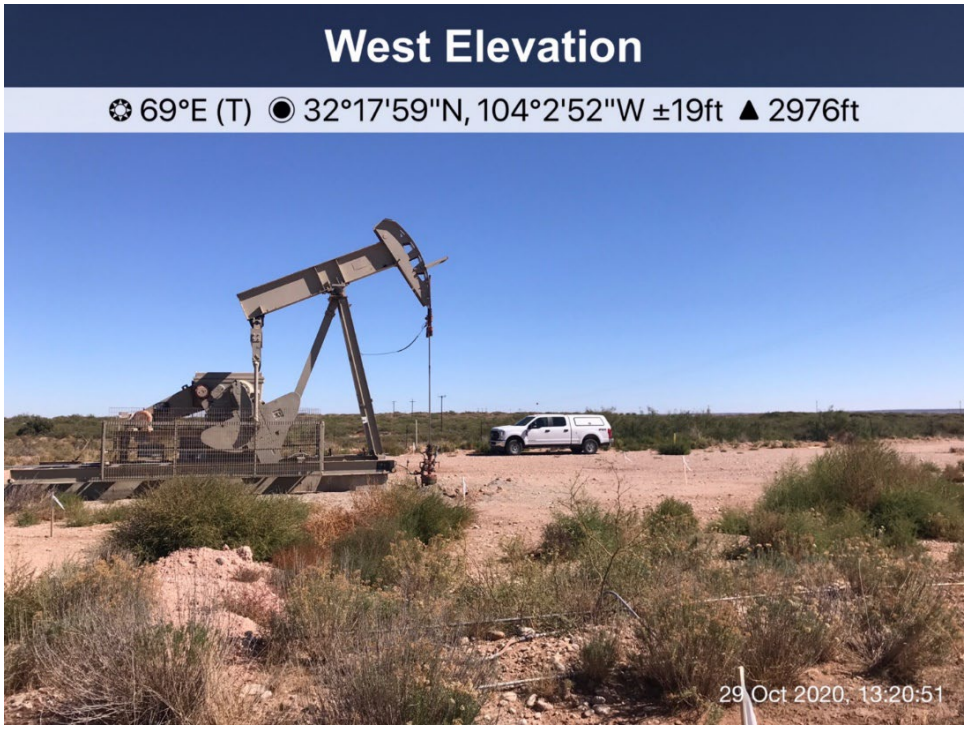
Impacted area viewing southwest, October 29, 2020



Impacted area viewing southeast, October 29, 2020

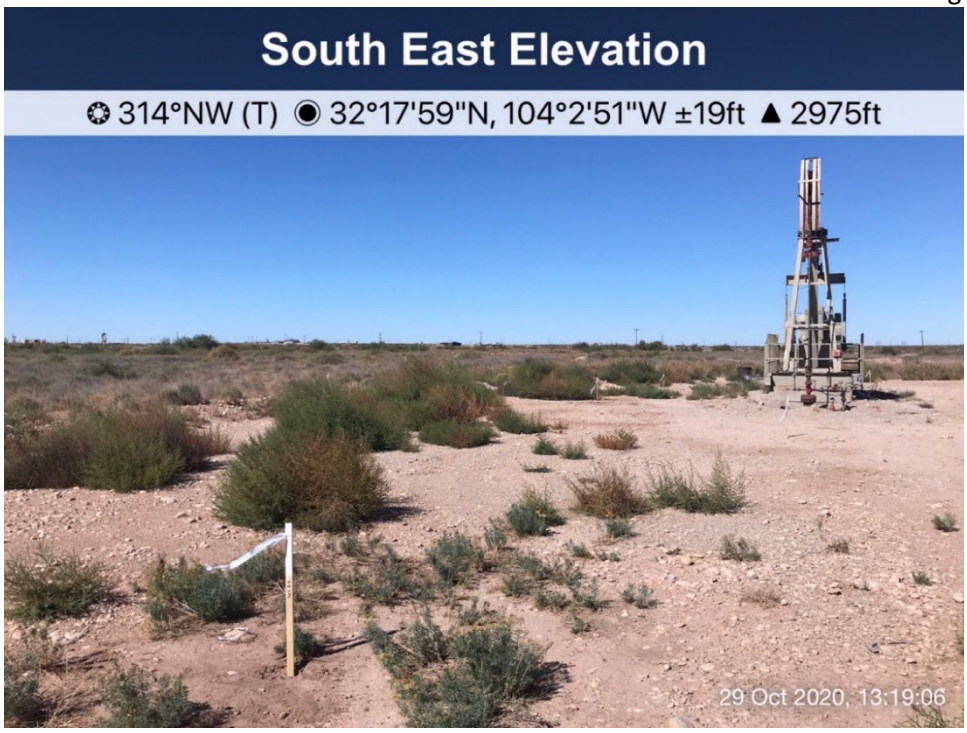
Tracking Number: nRM2027951383
Closure Report
Chevron USA, Inc., Candie #001
Produced Water and Crude Oil Release
August 23, 2022

Impacted area viewing west, October 29, 2020



Impacted area viewing east, October 29, 2020

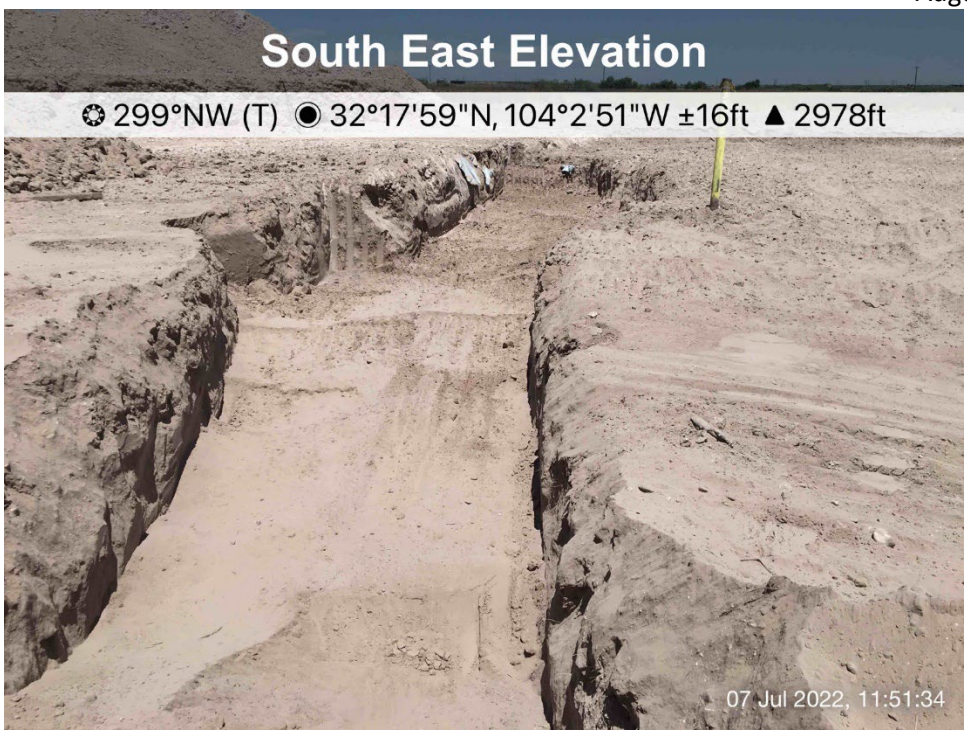
Tracking Number: nRM2027951383
Closure Report
Chevron USA, Inc., Candie #001
Produced Water and Crude Oil Release
August 23, 2022



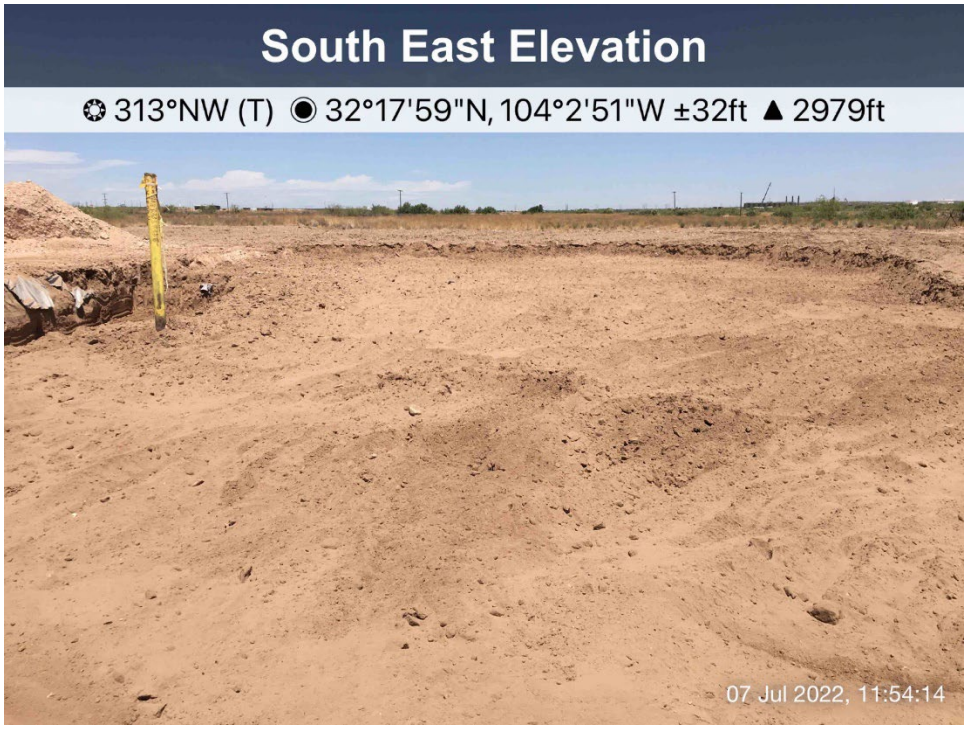
Impacted area viewing northwest, October 29, 2020

Pecos River approximately 140 feet west/southeast of the site

Tracking Number: nRM2027951383
Closure Report
Chevron USA, Inc., Candie #001
Produced Water and Crude Oil Release
August 23, 2022

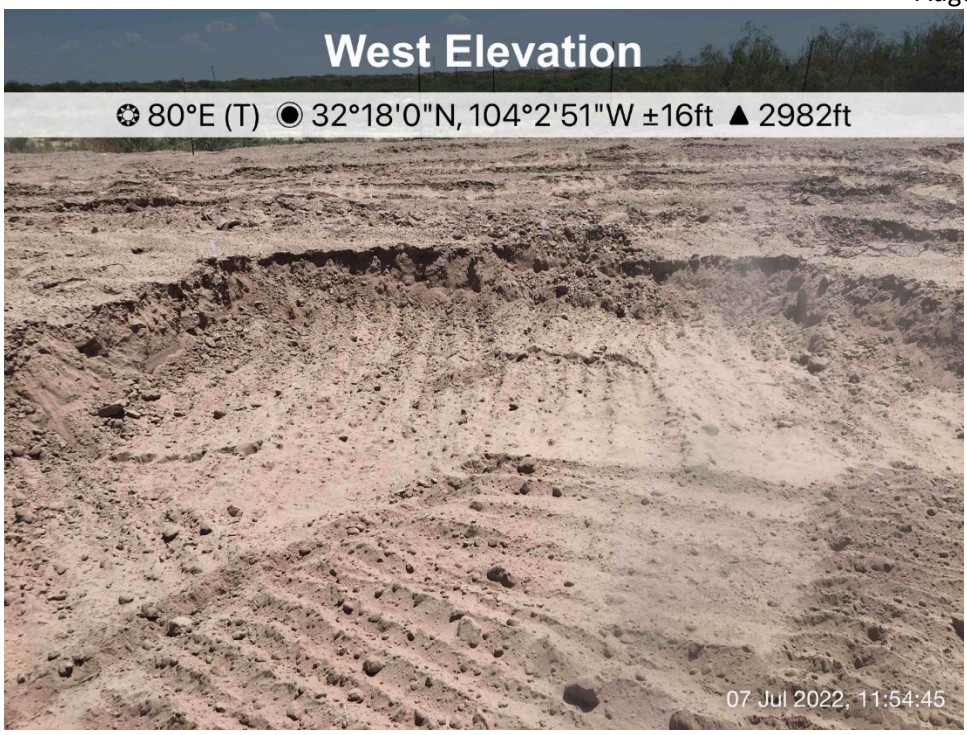


Excavated area viewing northwest, July 7, 2022



Excavated area viewing northwest, July 7, 2022

Tracking Number: nRM2027951383
Closure Report
Chevron USA, Inc., Candie #001
Produced Water and Crude Oil Release
August 23, 2022



Excavated area viewing east, July 7, 2022

Additional excavated soil encompassing C-23, August 17, 2022

Tracking Number: nRM2027951383
Closure Report
Chevron USA, Inc., Candie #001
Produced Water and Crude Oil Release
August 23, 2022

Additional excavated soil encompassing C-13, August 17, 2022

Additional excavated soil encompassing C-27, August 17, 2022

Tracking Number: nRM2027951383
Closure Report
Chevron USA, Inc., Candie #001
Produced Water and Crude Oil Release
August 23, 2022

Backfilled excavation viewing southwest, August 17, 2022

Backfilled excavation viewing south, August 17, 2022

Tracking Number: nRM2027951383
Closure Report
Chevron USA, Inc., Candie #001
Produced Water and Crude Oil Release
August 23, 2022

Backfilled excavation viewing east, August 17, 2022

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

CONDITIONS

Action 139199

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 139199
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NRM2027951383 CANDIE #001, thank you. This closure is approved.	3/7/2023