



Reno
5410 Longley Lane
Reno, Nevada 89511
Ph: 775.829.2245

Las Vegas
1915 N. Green Valley Parkway
Suite 200
Henderson, Nevada 89074
Ph: 702.260.4961

www.mcgin.com

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

**APNs 012-302-15 AND 012-302-16
80 & 90 SUNSHINE LANE AND
1975 & 1985 KUENZLI STREET
Reno, Washoe County, NV 89502**

**NDEP Contract #DEP17-026
Task MA28-21**

- | Site Remediation
- | Soil & Groundwater Investigations
- | Geochemistry
- | Hydrogeology
- | Groundwater Modeling
- | Biological Services
- | Closure Optimization
- | Air Quality Permitting & Modeling
- | Brownfields Redevelopment
- | Permitting & Compliance
- | NEPA Studies
- | Phase I Assessments
- | Indoor Air Quality
- | Storm Water & Spill Plans
- | Underground Tank Services
- | Geographic Information Systems
- | Litigation Support & Expert Witness
- | Mining Plans of Operations
- | Mining Exploration Notices
- | Abandoned Mine Lands

Prepared for:

*State of Nevada
Department of Conservation and Natural Resources
Division of Environmental Protection
Bureau of Corrective Actions
Attn: Ruben Ramos-Avina
901 S. Stewart Street, Suite 4001
Carson City, Nevada 89701-5249*

On Behalf of:

The Reno Sparks Indian Colony

May 4, 2021

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1. INTRODUCTION

McGinley & Associates (McGinley) has prepared this report describing Limited Phase II Environmental Site Assessment (ESA) activities conducted at Washoe County Assessor Parcel Numbers (APN) 012-302-15 and 012-302-16 (Site). The Site is located at street addresses 80 and 90 Sunshine Lane and 1975 and 1985 Kuenzli Street in Reno, NV 89502. These assessment activities were conducted on behalf of the Reno Sparks Indian Colony for the Nevada Division of Environmental Protection (NDEP) utilizing funding provided by the State of Nevada Brownfields Program (NBP), Contract DEP17-026, Task Number MA28-21. McGinley conducted these assessment activities for the purpose of investigating identified *recognized environmental conditions* (RECs) at the Site noted during the Phase I ESA. The Site location is indicated in Figure 1.

2. OBJECTIVES

The ESA activities, outlined herein, were conducted as part of the Reno-Sparks Indian Colony's due diligence efforts prior to completing the purchase of the Site. The objective of the activities was to determine if impacts to the subsurface have occurred from historical Site use.

3. SCOPE OF SERVICES

The Limited Phase II ESA was conducted in general accordance with the Sampling and Analysis Plan (SAP) dated March 5, 2021. The Limited ESA activities included the following:

- advancing five soil borings (B6, B7, B8, B11, and B12) at the approximate locations indicated in Figure 2;
- collecting a continuous soil core at each boring location;
- collecting two soil samples from each boring location;
- collecting a discrete groundwater sample from each boring location;
- collecting six surface soil samples at the approximate locations indicated in Figure 2;
- analytical testing of collected soil and groundwater samples;
- backfilling borings; and
- preparing this report of findings.

4. BACKGROUND

A Phase I ESA of the Site was conducted by McGinley and summarized in the report dated December 28, 2020. The Phase I ESA report identified the following RECs:

- The Site buildings appear to have been equipped with several hydraulic lifts with subsurface components. Additionally, the inoperative truck scales are reportedly equipped with underground hydraulic components. Releases of hazardous substances, including hydraulic fluids and associated cleaning solvents, are known to be associated with the operation and maintenance of in-ground hydraulic lifts. According to the information reviewed, no documentation regarding potential environmental sampling of the lifts is known; however, at least one release is known to have occurred. A such,

the potential release of hazardous substances to the subsurface over the lifetime of these lifts cannot be ruled out.

- The Site has included various automotive and/or industrial occupants for several decades; however, records regarding operations onsite are limited. Drains and sinks were observed in the buildings which may have received discharges of petroleum products and/or hazardous chemicals. Additionally, the Site appears to have been equipped with multiple septic systems. Therefore, the possibility that onsite drains and septic systems have been used for the disposal of petroleum products, degreasers, other automotive fluids, and associated contaminated wastewater cannot be ruled out.

5. LIMITED PHASE II ESA ACTIVITIES

Between March 8 and 17, 2021, five soil borings were advanced at the approximate locations indicated in Figure 2. The Limited Phase II activities are described in the following sections.

5.1 Pre-Field Activities

Prior to commencing with field activities, the boring locations were demarcated, Underground Service Alert (USA call-before-you-dig) was notified, and a private utility location service was contracted to assess for the presence of underground utilities in the areas where drilling was to be conducted. A health and safety plan (HASP) was prepared and reviewed by all onsite personnel prior to commencing with field activities. Additionally, an access agreement was obtained from the current property owner.

5.2 Soil Boring Advancement

The borings were advanced by Gregory Drilling of Yuba City, CA using resonant sonic drilling equipment. A McGinley representative was onsite to observe field activities and collect samples. Boring locations were based on the RECs identified in the Phase I report.

As indicated in Figure 2, borings B6, B7 and B12 were advanced proximal and/or down gradient of onsite automotive service garages, boring B11 was advanced proximal to a septic system and onsite automotive repair garage, and boring B8 was located in a vehicle storage yard. It should be noted that borings B11 and B12 were advanced cross-gradient and proximal to their targets rather than downgradient due to access issues onsite, however, the boring locations were adequate for investigating potential impacts to the environment. Borings B6 and B7 were advanced to approximately 45 feet below ground surface (bgs), borings B8 and B12 were advanced to approximately 50 feet bgs, and boring B11 was advanced to approximately 60 feet bgs. Terminal depth of each boring was determined based on apparent groundwater level and lithology. In some cases, the boring collapsed due to the loose nature of the river formation and additional drilling was required to open and case the boring and collect a groundwater sample. Groundwater was encountered in all borings between approximately 29 and 55 feet bgs.

The borings were backfilled with a cement slurry upon completion of soil and groundwater sampling activities. Cuttings were containerized in 55-gallon drums pending offsite disposal.

5.3 Collection of Soil Samples

A continuous core was collected at each boring location. Field screening of soil samples was performed utilizing a calibrated photo ionization detector (PID). The soil cores were classified in accordance with the Unified Soil Classification System (USCS). Surface conditions consisted of a mix of gravel and asphalt chips used for dust control and asphalt pavement. The

soil was generally classified as well graded sand and gravel, clayey gravels, silty gravels, and significant layers of cobbles and boulders associated with the Truckee River Formation.

Soil samples were collected from between zero to three feet bgs and the groundwater interface. Near surface samples were collected to assess potential impacts which may impact future construction or residential scenarios. The sample collected from the groundwater interface was used to determine if petroleum products may exist on the water table and/or within the smear zone that wouldn't appear in groundwater samples (i.e., motor oil and/or diesel products).

Care was taken to minimize disturbance and volatilization of the samples. Soil samples were extracted from the cores, placed in laboratory provided sample containers with Teflon lids, labeled, and preserved on ice in a cooler pending delivery to the laboratory. Boring logs are included in Appendix A.

Six surface soil samples (S1 through S6) were also collected from APN 012-302-16 within the Cleo Transportation yard. The soil samples were collected from between six and twelve inches bgs in areas where soil staining was observed. Stained locations measured between one foot by 1.5 feet up to 3 feet by 4 feet and were observed to be separated (i.e., non-contiguous). It should be noted that the area appears to have been graded with soil which was recently placed. As such, there may be staining that was not visible during the site work.

5.4 Collection of Groundwater Samples

A discrete groundwater sample was collected from each borehole using a disposable polyethylene bailer. The groundwater sample was placed in laboratory-provided containers and placed on ice in a cooler pending delivery to the laboratory for analysis.

5.5 Analytical Testing

The soil and groundwater samples were delivered under chain-of-custody procedures to Alpha Analytical in Sparks, Nevada for testing. The soil samples were analyzed for total petroleum hydrocarbons—extractable (TPH-E) and purgeable (TPH-P) by EPA Method 8015. Samples BRN-069-B12@0-3', BRN-069-S3@1', BRN-069-S4@1', BRN-069-S5@1', and BRN-069-S6@1' were also analyzed for volatile organic compounds (VOCs) by EPA Method SW8260 and polynuclear aromatics (PNAs) Select Ion Monitoring (SIM) by EPA Method SW8270. The groundwater samples were analyzed for VOCs by EPA Method SW8260. The chain-of custody record and laboratory report for the soil and groundwater samples are provided in Appendix B.

5.6 Analytical Results

5.6.1 Soil Samples

Analytical results for the soil samples collected from the borings are summarized in Table 1 and below:

- Detectable concentrations of TPH in the diesel range of organics (DRO) were reported in two of the ten collected samples at concentrations of 210 mg/kg (BRN-069-B12@0-3') and 44 mg/kg (BRN-069-B12@42'). It should be noted that the reported DRO concentrations may include contributions from heavier-end hydrocarbons (e.g., motor oil) that elute in the DRO range. Additionally, the reported DRO concentration in sample BRN-069-B12@42' also includes additional compounds uncharacteristic of common fuels and lubricants.
- Detectable concentrations of TPH in the oil range of organics (ORO) were reported in two of the ten collected samples at concentrations of 1,800 mg/kg (BRN-069-B12@0-3') and 130 mg/kg (BRN-069-B12@42'). It should be noted that the reported ORO concentration in sample BRN-069-B12@42' also includes additional compounds uncharacteristic of

common fuels and lubricants.

- It should be noted that the DRO/ORO concentrations reported in samples BRN-069-B12@0-3' and BRN-069-B12@42' included heavier-end hydrocarbons that are consistent with asphaltic material.
- All concentrations of TPH in the gasoline range of organics (GRO) were reported below the laboratory reporting limits.
- All concentrations of VOCs and PNAs were reported below the laboratory reporting limit. Analytical results for the surface soil samples are summarized in Table 1 and below:
 - Detectable concentrations of TPH in the DRO were reported in all of the collected samples ranging from 390 mg/kg (BRN-069-S1@1') to 7,900 mg/kg (BRN-069-S4@1'). It should be noted that all reported DRO concentrations may include contributions from heavier-end hydrocarbons (e.g., motor oil) that elute in the DRO range.
 - Detectable concentrations of TPH in the ORO were reported in all of the collected samples ranging from 3,200 mg/kg (BRN-069-S1@1' and BRN-069-S2@1') to 36,000 mg/kg (BRN-069-S4@1').
 - Detectable concentrations of TPH GRO were reported in three of the six collected samples ranging from 15 mg/kg (BRN-069-S4@1') to 93 mg/kg (BRN-069-S5@1').
 - Detectable concentrations of PNAs including 2-Methylnaphthalene (2,700 µg/kg) and 1-Methylnaphthalene (2,000 µg/kg) were reported in BRN-069-S5@1'. All other PNAs were reported below the laboratory reporting limit; however, it should be noted that reporting limits were increased due to hydrocarbons present in the samples.
- All concentrations of VOCs were reported below the laboratory reporting limit.

5.6.2 Groundwater Samples

Analytical results for the groundwater samples are summarized in Table 2 and below:

- A detectable concentration of chloroform was reported in sample BRN-069-B12-H2O (1.3 µg/L).
- All other concentrations were reported below the laboratory reporting limit for all collected samples and trip blanks.

6. DATA QUALITY/QUALITY CONTROL

6.1 Groundwater Sampling QA/QC

Groundwater samples were collected in accordance with EPA and McGinley's SOP. Care was taken to minimize sample disturbance. One field duplicate groundwater sample was collected. It should be noted, that due to the concurrent nature of the work, the duplicate sample was collected from boring B10 during the assessment activities conducted on APN 012-302-14. The sample was labeled as *BRN-068-H2O-Duplicate* with no reference to which sample location it was duplicating. Sample results were below the laboratory reporting limit for both the original and duplicate samples indicating the samples were consistent.

Trip blanks were prepared by the laboratory to evaluate if the shipping and handling procedures were introducing contaminants into the samples and if cross contamination in the form of VOC migration had occurred between the collected samples. One trip blank was submitted to the laboratory for analysis with every shipment of samples for VOC analysis. The sealed trip blanks were delivered to the laboratory in the same cooler with the samples collected for volatile analyses. All trip blanks were below the laboratory reporting limit.

6.2 Soil Sampling QA/QC

The soil samples were collected in accordance with EPA and McGinley SOPs. Care was taken to minimize sample disturbance. Field-duplicate soil samples were not collected as soils and sediments are generally too heterogeneous to assess the precision of sample collection.

6.3 Laboratory Analytical Data QA/QC

In accordance with the SAP, the laboratory generated and reviewed all of the analytical data. Each data point was assessed and was qualified, if necessary, based upon their approved acceptance criteria. Below is a summary of qualifications within the data set. It should be noted that data was not qualified in instances where acceptance criteria was not met but it did not affect the usability.

- Results from B12@42' included a qualifier (C) that reported TPH concentrations included additional compounds uncharacteristic of common fuels and lubricants.
- All detectable concentrations of DRO included a qualifier (L) that DRO concentrations may include contributions from heavier-end hydrocarbons (e.g. motor oil) that elute in the DRO range.
- The laboratory noted that reported DRO concentrations in soil samples from boring B12 include heavier-end hydrocarbons that are consistent with asphaltic material. This is based on a review of the chromatogram.
- In several instances the recoveries for the RPD and spike for the GSD for GRO were outside of accepted recovery limits and biased high. In this instance, the laboratory included a note that this was likely due to sample non-homogeneity. As such, it appears that the data remains usable for the purposes of this report.
- In several instances, QA/QC recoveries for VOC constituents in the soil QA/QC samples including Dichlorodifluoromethane (LCSD), Chloromethane (MSD and LCSD), and Bromomethane (LCSD) were qualified as being outside of acceptable recovery limits. Based on the analytical reports, the recoveries were biased on the high side for dichlorodifluoromethane and chloromethane and the low side for bromomethane.
- In several instances, QA/QC recoveries for VOC constituents in the water QA/QC samples including cis-1,2-Dichloroethene (MS and MSD), dichlorodifluoromethane (LCS), bromobenzene (LCS and MSD), 2-chlorotoluene (MS and MSD), n-Propylbenzene (MS and MSD) were qualified as being outside of acceptable recovery limits. Based on the analytical reports, the recoveries were biased on the high side for all these constituents.
- The reported results for the constituents with recovery issues are below laboratory detection limits in all samples and, although laboratory or matrix interferences may have occurred during sample analysis of these constituents, it appears that the data remains useable for the purposes of this report.

In general, the laboratory analytical data for the soil and groundwater samples were in compliance with the data quality objectives established in the laboratory's SOP.

7. FINDINGS

Below is a summary of activities and findings for the Phase II ESA

- Five soil borings were advanced to groundwater in locations to assess the RECs noted in the Phase I ESA. In general, these boring locations were proximal to the septic systems, downgradient and/or proximal to automotive repair facilities, and in a vehicle storage yard.
- Surface conditions consisted of a mix of gravel and asphalt chips used for dust control and asphalt pavement. The soil was generally classified as well graded sand and gravel, clayey gravels, silty gravels, and significant layers of cobbles and boulders associated with the Truckee River Formation.
- Analytical results from soil samples collected from soil boring B12 exhibited concentrations of DRO up to 210 mg/kg and concentrations of ORO up to 1,800 mg/kg. Based on review of chromatograms, the laboratory indicated the majority of the results consisted of longer chain hydrocarbons consistent with asphaltic material.
- The sample collected from B12 at 42 feet bgs contained compounds uncharacteristic of common fuels and lubricants and consistent with organic detritus. As this boring was advanced downgradient of the septic system, this is likely attributed to organics within the wastewater.
- All other soil sample results from the soil borings, including VOCs and PNAs, were below the laboratory reporting limit.
- Six near surface samples were collected from stained areas noted within parcel -16. Stained locations measured between one foot by 1.5 feet up to 3 feet by 4 feet and were separated areas (i.e, non-contiguous). Due to their limited lateral extent, these areas appeared to be consistent with minor releases from parked vehicles and represent a *de minimis* release.
- Analytical results from soil samples collected from the parking area exhibited concentrations of DRO up to 7,900 mg/kg and concentrations of ORO up to 36,000 mg/kg. The analytical results for DRO included a qualifier that concentrations may include contributions from the heavier-end hydrocarbons (e.g. motor oil) that elute in the DRO range.
- Low level VOCs and PNAs were reported within the near surface soil samples collected from B1 and B2; however, results were well below the NDEP Analyte Specific Closure Levels for residential soil.
- It should be noted that the parking area appears to have been graded with soil which was recently placed. As such, there may be staining that was not visible during the site work.
- All groundwater sample results were below the laboratory reporting limit with the exception of chloroform, which was reported above laboratory reporting limits but well below the maximum contaminant level (MCL). Chloroform can be both a laboratory contaminant and naturally occurring. As such, this detection does not appear to be associated with a release to the environment.

8. CONCLUSION AND RECOMMENDATIONS

Groundwater sample analytical results indicated all analytes were reported below the laboratory reporting limit with the exception of a low-level concentration of chloroform (1.3 µg/L) reported in boring B12 which is well below the MCL of 80 µg/L. Chloroform can be both naturally occurring and a laboratory contaminant. As such, McGinley opines that this low-level

concentration is resultant from an outside influence and is not indicative of a release.

Soil sample analytical results for samples collected from the borings indicated concentrations of TPH above the NDEP screening level of 100 mg/kg in boring B12; however, based on notes from the laboratory, these concentrations were consistent with asphaltic material. Based on previous conversations with the NDEP, asphaltic material does not represent a reportable release. Additionally, concentrations of VOCs and PNAs were reported below the laboratory reporting limit further indicating that the elevated TPH results do not represent a threat to human health or the environment.

TPH DRO and ORO concentrations up to 7,900 mg/kg and 36,000 mg/kg, respectively, were also reported in the surface soil samples collected from APN 012-302-16 within the Cleo Transportation yard. It should be noted that detectable concentrations of PNAs reported in BRN-069-S5@1' were below the analyte-specific closure levels for residential soil. This is consistent with heavier end hydrocarbons such as oil and/or asphaltic material which typically do not have constituents that are harmful to human health or likely to migrate to groundwater. These surface soil samples were collected from areas where soil staining was observed. Visual observations indicated that staining was limited in lateral extent and non-contiguous, which is typical of parking lots where equipment and vehicles are subject to small leaks over time. The petroleum impacts do not appear to exceed three cubic yards of impacted material, indicating *de minimis* conditions. As such, McGinley believes that these results do not represent a reportable release at this time.

Based on the soil and groundwater analytical results, McGinley is of the opinion that no additional site assessment activities are warranted at this time. However, it should be noted that the parking area appears to have been graded with recently placed soil. As such, there may be staining that was not visible during the site work. Should additional petroleum impacts (greater than three cubic yards from one area) be observed in the vicinity of the surface samples during future site development activities, it may become necessary to report a release to the NDEP pursuant to NAC 445A.345.

9. LIMITATIONS

The conclusions presented herein are based on analytical data and observations. McGinley makes no warranties or guarantees as to the accuracy or completeness of information provided or compiled by others. The results reported herein are applicable to the time the sampling occurred. Changes in site conditions may occur as a result of illegal dumping practices, prevailing winds, rainfall, or other factors.

It should be recognized that definition and evaluation of environmental conditions is a difficult and inexact science. Judgments and opinions leading to conclusions and recommendations are generally made with an incomplete knowledge of the conditions present. More extensive studies, including additional environmental investigations, can tend to reduce the inherent uncertainties associated with such studies. Additional information not found or unavailable to McGinley at the time of writing this report may result in a modification to the conclusions and recommendations contained herein.

This report is not a legal opinion. The services performed by McGinley have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing under similar conditions. No other warranty, expressed or implied, is made.

The use of the word "certify" in this document constitutes an expression of professional opinion regarding those facts or findings which are the subject of the certification and does not constitute a warranty or guarantee, either expressed or implied.

10. CLOSING

McGinley trusts the information provided herein satisfies the requirements of the NDEP. Should you have any questions regarding this report or the conclusions provided herein, please contact Caitlin Jelle at 775-829-2245.

Respectfully submitted,

McGinley and Associates, Inc.



Anna Henry, E.I.

Staff Engineer

Reviewed by:

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations, and ordinances.



Caitlin Jelle, P.E., CEM #2454 (Exp. 3/22)

Project Manager

TABLES

Table 1. Summary of Soil Sample Analytical Results

Sample Location (See Figure 2)	Sample ID	Date Collected	Sample Depth (fbgs)	TPH-E (mg/kg)		TPH-E (mg/kg)	PNAs (μ g/kg)	
				DRO	ORO		2-Methylnaphthalene	1-Methylnaphthalene
B6	BRN-069-B6@0-3	11-Mar-21	2.0	<10	<10	<10	NA	NA
	BRN-069-B6@28'	16-Mar-21	28	<10	<10	<10	NA	NA
B7	BRN-069-B7@0-3	12-Mar-21	2.0	<10	<10	<10	NA	NA
	BRN-069-B7@40'	12-Mar-21	40	<10	<10	<10	NA	NA
B8	BRN-069-B8@0-3'	16-Mar-21	2.0	<10	<10	<10	NA	NA
	BRN-069-B8@48'	16-Mar-21	48	<10	<10	<10	NA	NA
B11	BRN-069-B11@0-3'	17-Mar-21	2.0	<10	<10	<10	NA	NA
	BRN-069-B11@54'	18-Mar-21	54	<10	<10	<10	NA	NA
B12	BRN-069-B12@0-3'	18-Mar-21	2.0	210 L*	1,800*	<10	<120 ¹	<120 ¹
	BRN-069-B12@42'	18-Mar-21	42	44 LC*	130 C*	<10	NA	NA
S1	BRN-069-S1@1'	18-Mar-21	1.0	390 L	3,200	<10	NA	NA
S2	BRN-069-S2@1'	18-Mar-21	1.0	510 L	3,200	<10	NA	NA
S3	BRN-069-S3@1'	18-Mar-21	1.0	1,700 L	9,000	34	<500 ¹	<500 ¹
S4	BRN-069-S4@1'	18-Mar-21	1.0	7,900 L	36,000	15	<1,200 ¹	<1,200 ¹
S5	BRN-069-S5@1'	18-Mar-21	1.0	5,300 L	13,000	93	2,700	2,000
S6	BRN-069-S6@1'	18-Mar-21	1.0	2,800 L	10,000	<10	<500 ¹	<500 ¹
NDEP Analyte Specific Closure Levels (Residential Soil)				-	-	-	230,000	3,800

fbgs feet below ground surface

TPH-E total petroleum hydrocarbons - extractable

ORO oil range organics

DRO diesel range organics

PNAs polynuclear aromatics

mg/kg milligrams per kilogram

NA not analyzed

C Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.

L DRO concentration may include contributions from heavier-end hydrocarbons (e.g. motor oil) that elute in the DRO range.

1 Reporting limits were increased due to the hydrocarbons present in the sample

* Reported DRO/ORO concentrations include heavier-end hydrocarbons that are consistent with asphaltic material.

Note: Samples BRN-069-B12@0-3', BRN-069-S3@1', BRN-069-S4@1', BRN-069-S5@1', and BRN-069-S6@1' were analyzed for PNAs and full suite VOCs; however, only analytes with reportable concentrations were included in the table.

Table 2. Summary of Groundwater Sample Analytical Results

Sample Location (See Figure 2)	Sample ID	Date Collected	VOCs
			Chloroform
B6	BRN-069-B6-H2O	16-Mar-21	<1.0
B7	BRN-069-B7-H2O	12-Mar-21	<1.0
B8	BRN-069-B8-H2O	16-Mar-21	<1.0
B11	BRN-069-B11-H2O	18-Mar-21	<1.0
B12	BRN-069-B12-H2O	18-Mar-21	1.3
EPA Regional Screening Level (MCL)			80

VOCs volatile organic compounds

µg/L milligrams per kilogram

Note: Groundwater samples were analyzed for full suite VOCs; however, only analytes with reportable concentrations were included in the table

FIGURES



FIGURE 1

TITLE:

**PROJECT LOCATION MAP
-SHOWING-**

**80 & 90 SUNSHINE LN
APNs: 012-302-15, & -16
RENO, WASHOE COUNTY, NV**



FILE:

Fig 1 - Project Location Map

COORDINATE SYSTEM:

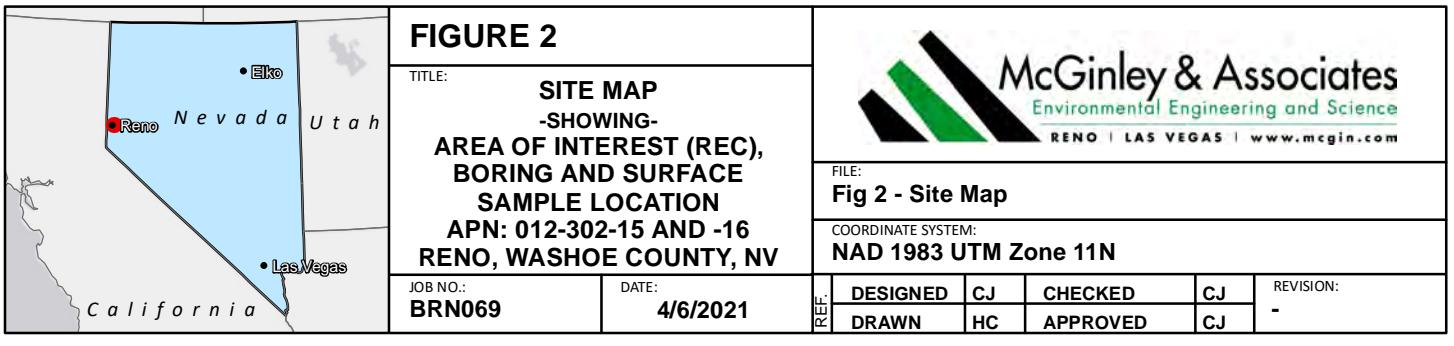
NAD 1983 UTM Zone 11N

JOB NO.:
BRN069

DATE:
3/23/2021

REF.

DESIGNED	AH	CHECKED	AH	REVISION:
DRAWN	HC	APPROVED	CJ	-



APPENDIX A

Boring Logs

Borehole ID: B6

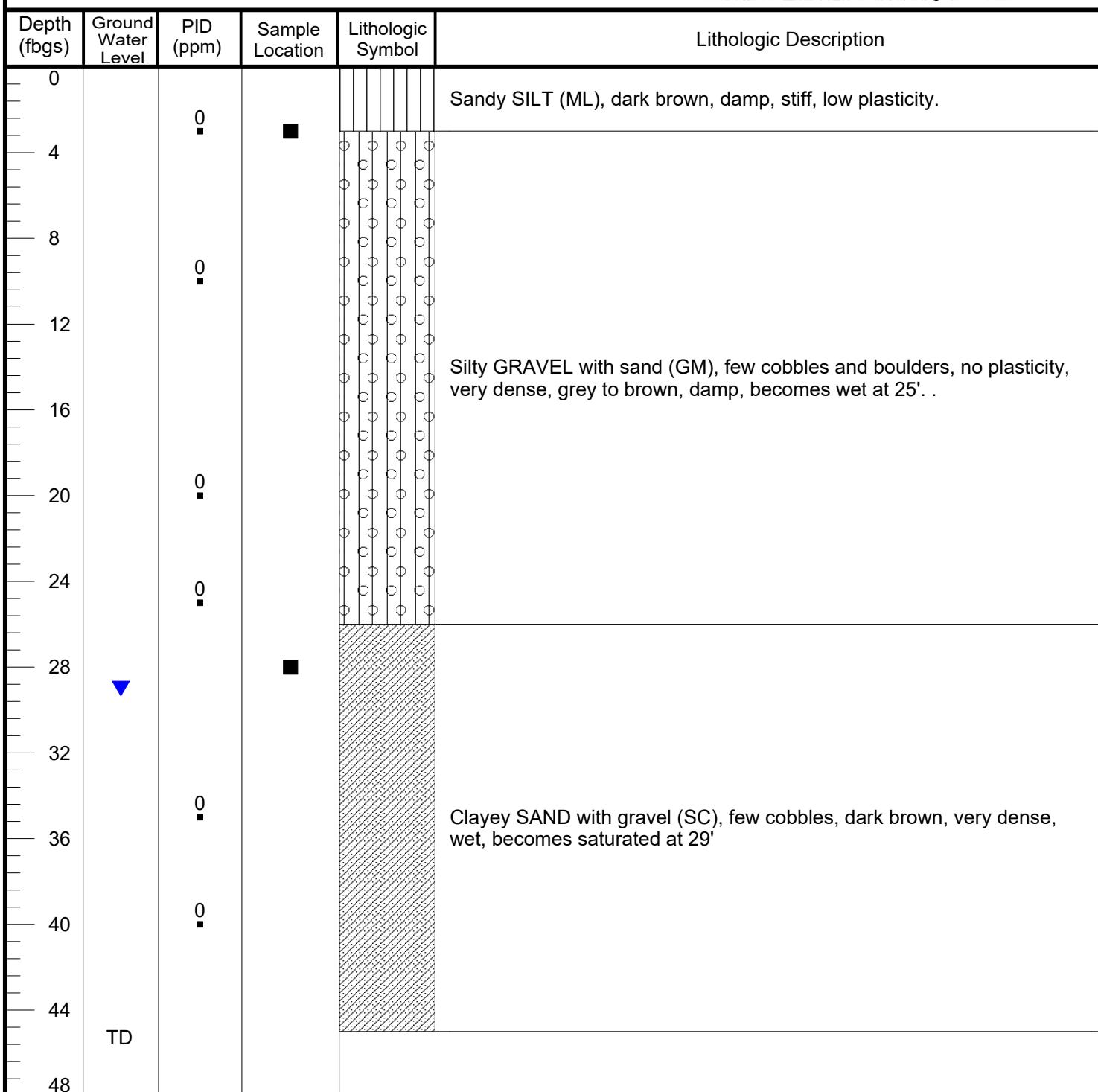
Project Number: BRN069

Project Name: Brownfields - Sunshine Lane

Location: APN 012-302-15 & -16

Project Manager: C. Jelle

Logged By: D. Parcells



Driller: Gregory
Drilling Method: Sonic
Date: 3/11/2021
Borehole Diameter: 6-inch
Boring Angle: Vertical

NOTE:
Boring backfilled with soil cuttings.

Legend
fbgs Feet Below Ground Surface
TD Total Depth
PID Photionization Detector
ppm parts per million

Borehole ID: B7

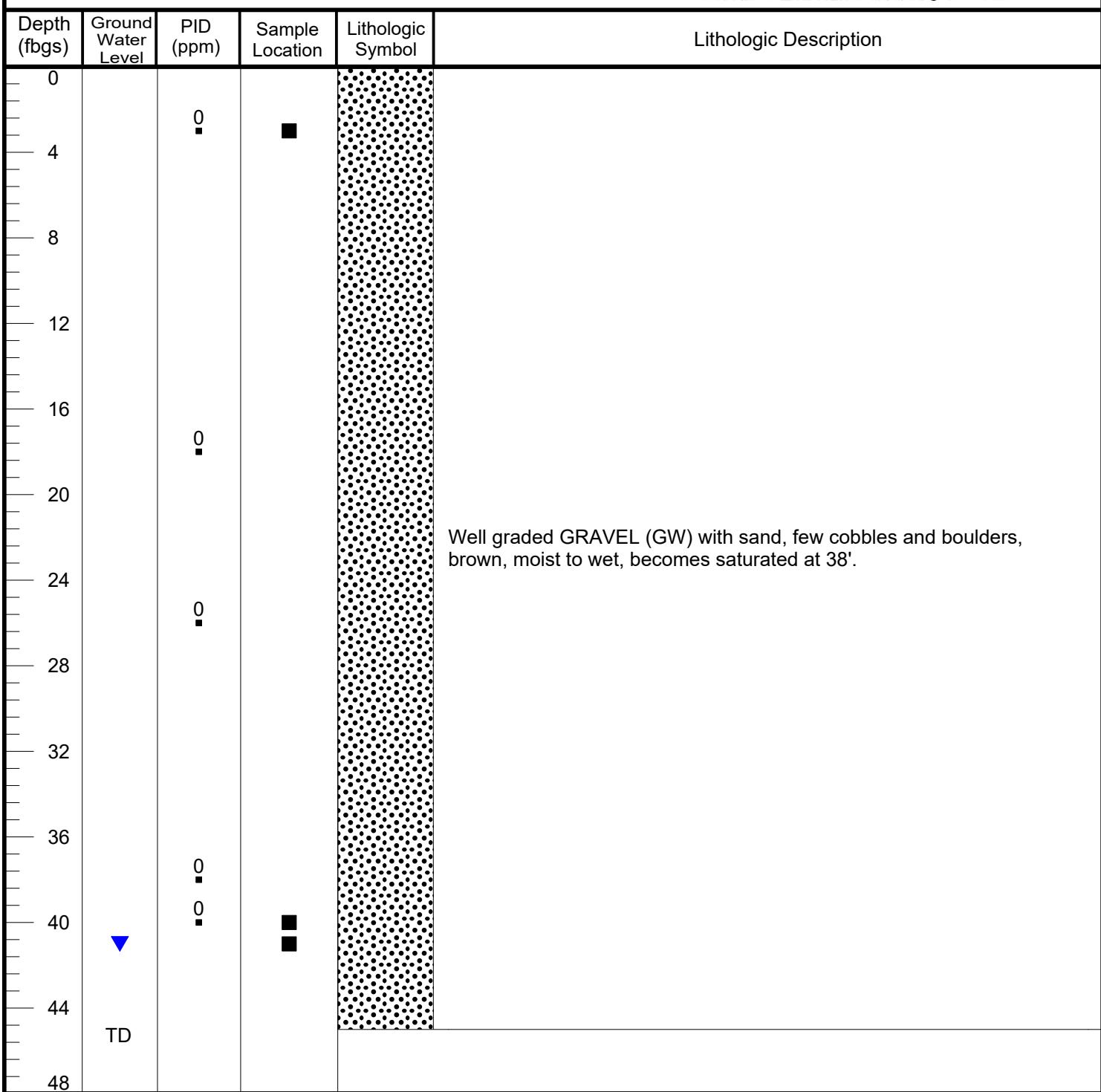
Project Number: BRN069

Project Name: Brownfields - Sunshine Lane

Location: APN 012-302-15 & -16

Project Manager: C. Jelle

Logged By: D. Parcells



Driller: Gregory

Drilling Method: Sonic

Date: 3/12/2021

Borehole Diameter: 6-inch

Boring Angle: Vertical

NOTE:

Boring backfilled with soil cuttings.

Legend

fbgs Feet Below Ground Surface

TD Total Depth

PID Photolionization Detector

ppm parts per million

Borehole ID: **B8**

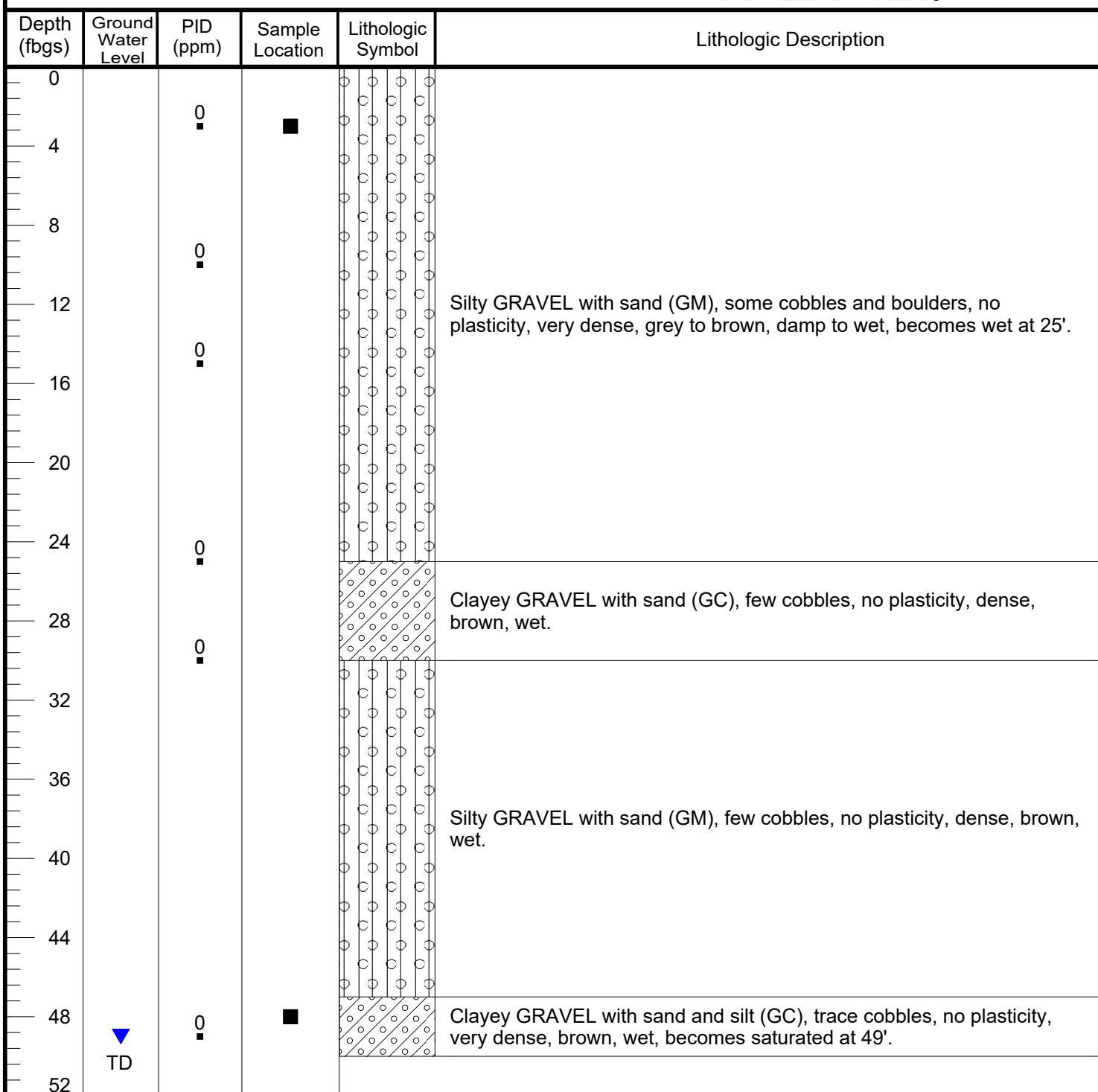
Project Number: BRN069

Project Name: Brownfields - Sunshine Lane

Location: APN 012-302-15 & -16

Project Manager: C. Jelle

Logged By: D. Parcells



Driller: Gregory
 Drilling Method: Sonic
 Date: 3/16/2021
 Borehole Diameter: 6-inch
 Boring Angle: Vertical

NOTE:

Boring backfilled with soil cuttings.

Legend

fbgs Feet Below Ground Surface

TD Total Depth

PID Photionization Detector

ppm parts per million

Borehole ID: B11

Project Number: BRN069

Project Name: Brownfields - Sunshine Lane

Location: APN 012-302-15 & -16

Project Manager: C. Jelle

Logged By: D. Parcells



Depth (fbgs)	Ground Water Level	PID (ppm)	Sample Location	Lithologic Symbol	Lithologic Description
0		0			Asphalt/base
4		0			Cobbles and boulders (Truckee Formation)
8					Well graded SAND (SW) with gravel, dark grey, damp, no plasticity.
12		0			Cobbles and boulders (Truckee Formation)
16					Well graded SAND (SW) with gravel, dark grey, damp, no plasticity.
20					Cobbles and boulders (Truckee Formation)
24					Well graded SAND (SW) with gravel, dark grey, damp, no plasticity.
28					Cobbles and boulders (Truckee Formation)
32					Well graded SAND (SW) with gravel, dark grey, damp, no plasticity.
36					Well graded SAND (SW) with gravel, dark grey, damp, no plasticity.
40		0			CLAY (CL), with gravel, dark brown, moist, very stiff, high plasticity.
44		0			Clayey GRAVEL (GC), dark brown, moist, very dense, medium plasticity.
48					Clayey GRAVEL (GC), dark brown, moist, very dense, medium plasticity.
52					Well graded SAND (SW) with silt and gravel, brown, dense, wet, becomes saturated at 55'.
56		0			Well graded SAND (SW) with silt and gravel, brown, dense, wet, becomes saturated at 55'.
60	TD				Well graded SAND (SW) with silt and gravel, brown, dense, wet, becomes saturated at 55'.

Driller: Gregory

Drilling Method: Sonic

Date: 3/17/2021

Borehole Diameter: 6-inch

Boring Angle: Vertical

NOTE:

Boring backfilled with soil cuttings.

Legend

fbgs Feet Below Ground Surface

TD Total Depth

PID Photionization Detector

ppm parts per million

Borehole ID: B12

Project Number: BRN069

Project Name: Brownfields - Sunshine Lane

Location: APN 012-302-15 & -16

Project Manager: C. Jelle

Logged By: D. Parcells



Depth (fbgs)	Ground Water Level	PID (ppm)	Sample Location	Lithologic Symbol	Lithologic Description
0		0			Asphalt/base Clayey GRAVEL (GC), dark brown, damp, dense, low plasticity.
4		0			
8					
12					
16					
20					
24					
28		0			Cobbles and boulders (Truckee Formation)
32		0			Well graded SAND (SW) with few cobbles, grey brown, damp, very dense, no plasticity.
36		0			Cobbles and boulders (Truckee Formation)
40		0			
44		0			Clayey GRAVEL (GC) with silt and trace cobbles, dark brown, very dense, no plasticity, moist, becomes saturated at 43'.
48					
52	TD				

Driller: Gregory

Drilling Method: Sonic

Date: 3/18/2021

Borehole Diameter: 6-inch

Boring Angle: Vertical

NOTE:

Boring backfilled with soil cuttings.

Legend

fbgs Feet Below Ground Surface

TD Total Depth

PID Photionization Detector

ppm parts per million

APPENDIX B

Chain-of-Custody Records and Laboratory Reports for Soil and Groundwater Samples



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

April 06, 2021

Caitlin Jelle
McGinley & Associates, Inc.
5410 Longley Lane
Reno, NV 89511
TEL: (775) 829-2245
FAX: (775) 829-2213

RE: BRN-069/APN-012-302-16

Order No.: MGA2103125

Dear Caitlin Jelle:

The result of this report apply to the sample(s) as received.

There were no problems with the analytical events associated with this report unless noted.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Randy Gardner". The signature is fluid and cursive, with "Randy" on top and "Gardner" below it, though the two names are connected.

Randy Gardner
Laboratory Manager
255 Glendale Ave, #21
Sparks, Nevada 89431



Alpha Analytical, Inc.
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Sparks, Nevada 89431
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Website: www.alpha-analytical.com

Analytical Report

WO#: MGA2103125
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/16/2021 10:15:00 AM
Project: BRN-069/APN-012-302-16
Lab ID: 2103125-01 **Matrix:** SOIL
Client Sample ID: BRN-069-B8@0-3'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	10		mg/Kg	3/23/2021	TPH-E by EPA 8015C
TPH-E (ORO)	ND	10		mg/Kg	3/23/2021	TPH-E by EPA 8015C
Surr: Nonane	100	66-134		%Rec	3/23/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	10		mg/Kg	3/24/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C



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Analytical Report

WO#: MGA2103125
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/16/2021 5:20:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103125-02 **Matrix:** SOIL
Client Sample ID: BRN-069-B8@48'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	10		mg/Kg	3/23/2021	TPH-E by EPA 8015C
TPH-E (ORO)	ND	10		mg/Kg	3/23/2021	TPH-E by EPA 8015C
Surr: Nonane	100	66-134		%Rec	3/23/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	10		mg/Kg	3/24/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	94	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/16/2021 5:30:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103125-03 **Matrix:** AQUEOUS
Client Sample ID: BRN-069-B8-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260



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Sparks, Nevada 89431
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Analytical Report

WO#: MGA2103125
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/16/2021 5:30:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103125-03 **Matrix:** AQUEOUS
Client Sample ID: BRN-069-B8-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	3/23/2021	VOCs by EPA 8260
Surr: Toluene-d8	103	70-130		%Rec	3/23/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	3/23/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103125
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/17/2021 2:40:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103125-04 **Matrix:** SOIL
Client Sample ID: BRN-069-B11@0-3'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	10		mg/Kg	3/23/2021	TPH-E by EPA 8015C
TPH-E (ORO)	ND	10		mg/Kg	3/23/2021	TPH-E by EPA 8015C
Surr: Nonane	99	66-134		%Rec	3/23/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	10		mg/Kg	3/24/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C



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Analytical Report

WO#: MGA2103125
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 11:00:00 AM
Project: BRN-069/APN-012-302-16
Lab ID: 2103125-05 **Matrix:** SOIL
Client Sample ID: BRN-069-B11@54"

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	10		mg/Kg	3/23/2021	TPH-E by EPA 8015C
TPH-E (ORO)	ND	10		mg/Kg	3/23/2021	TPH-E by EPA 8015C
Surr: Nonane	94	66-134		%Rec	3/23/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	10		mg/Kg	3/24/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 11:05:00 AM
Project: BRN-069/APN-012-302-16
Lab ID: 2103125-06 **Matrix:** AQUEOUS
Client Sample ID: BRN-069-B11-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260



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Website: www.alpha-analytical.com

Analytical Report

WO#: MGA2103125
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 11:05:00 AM
Project: BRN-069/APN-012-302-16
Lab ID: 2103125-06 **Matrix:** AQUEOUS
Client Sample ID: BRN-069-B11-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	3/23/2021	VOCs by EPA 8260
Surr: Toluene-d8	103	70-130		%Rec	3/23/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	3/23/2021	VOCs by EPA 8260



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 12:40:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103125-07 **Matrix:** SOIL
Client Sample ID: BRN-069-B12@0-3'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Naphthalene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
2-Methylnaphthalene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
1-Methylnaphthalene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Acenaphthylene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Acenaphthene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Fluorene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Phenanthrene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Anthracene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Fluoranthene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Pyrene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(a)anthracene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Chrysene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(b&k)fluoranthene, isomeric pair	ND	250		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(a)pyrene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Indeno(1,2,3-cd)pyrene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Dibenz(a,h)anthracene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(g,h,i)perylene	ND	120		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Surr: 2-Fluorobiphenyl	80	52-130		%Rec	4/1/2021	PNAs by EPA 8270SIM
Surr: 4-Terphenyl-d14	80	54-158		%Rec	4/1/2021	PNAs by EPA 8270SIM

NOTES:

Reporting Limits were increased due to the hydrocarbons present in the sample.

TPH-E (DRO)	210	50	L	mg/Kg	3/24/2021	TPH-E by EPA 8015C
TPH-E (ORO)	1,800	100		mg/Kg	3/24/2021	TPH-E by EPA 8015C
Surr: Nonane	94	66-134		%Rec	3/24/2021	TPH-E by EPA 8015C

NOTES:

Note: Reported DRO/ORO concentrations include heavier-end hydrocarbons that are consistent with asphaltic material.

TPH-P (GRO)	ND	10		mg/Kg	3/24/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C

Dichlorodifluoromethane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Chloromethane	ND	80		µg/Kg	3/24/2021	VOCs by EPA 8260B
Vinyl chloride	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Chloroethane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Bromomethane	ND	80		µg/Kg	3/24/2021	VOCs by EPA 8260B
Trichlorofluoromethane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,1-Dichloroethene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Dichloromethane	ND	80		µg/Kg	3/24/2021	VOCs by EPA 8260B
trans-1,2-Dichloroethene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Methyl tert-butyl ether (MTBE)	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,1-Dichloroethane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
cis-1,2-Dichloroethene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Bromochloromethane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Chloroform	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
2,2-Dichloropropane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,2-Dichloroethane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 12:40:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103125-07 **Matrix:** SOIL
Client Sample ID: BRN-069-B12@0-3'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,1,1-Trichloroethane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,1-Dichloropropene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Carbon tetrachloride	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Benzene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Dibromomethane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,2-Dichloropropane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Trichloroethene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Bromodichloromethane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
cis-1,3-Dichloropropene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
trans-1,3-Dichloropropene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,1,2-Trichloroethane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Toluene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,3-Dichloropropane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Dibromochloromethane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,2-Dibromoethane (EDB)	ND	80		µg/Kg	3/24/2021	VOCs by EPA 8260B
Tetrachloroethene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,1,1,2-Tetrachloroethane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Chlorobenzene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Ethylbenzene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
m,p-Xylene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Bromoform	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Styrene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
o-Xylene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,1,2,2-Tetrachloroethane	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,2,3-Trichloropropane	ND	80		µg/Kg	3/24/2021	VOCs by EPA 8260B
Isopropylbenzene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
Bromobenzene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
n-Propylbenzene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
4-Chlorotoluene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
2-Chlorotoluene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,3,5-Trimethylbenzene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
tert-Butylbenzene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,2,4-Trimethylbenzene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
sec-Butylbenzene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,3-Dichlorobenzene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,4-Dichlorobenzene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
4-Isopropyltoluene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,2-Dichlorobenzene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
n-Butylbenzene	ND	20		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	120		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,2,4-Trichlorobenzene	ND	80		µg/Kg	3/24/2021	VOCs by EPA 8260B
Naphthalene	ND	80		µg/Kg	3/24/2021	VOCs by EPA 8260B
Hexachlorobutadiene	ND	80		µg/Kg	3/24/2021	VOCs by EPA 8260B
1,2,3-Trichlorobenzene	ND	80		µg/Kg	3/24/2021	VOCs by EPA 8260B
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	3/24/2021	VOCs by EPA 8260B
Surr: Toluene-d8	103	70-130		%Rec	3/24/2021	VOCs by EPA 8260B
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	3/24/2021	VOCs by EPA 8260B



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

Analytical Report

WO#: MGA2103125
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 3:15:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103125-08 **Matrix:** SOIL
Client Sample ID: BRN-069-B12@42'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	44	10	LC	mg/Kg	3/23/2021	TPH-E by EPA 8015C
TPH-E (ORO)	130	10	C	mg/Kg	3/23/2021	TPH-E by EPA 8015C
Surr: Nonane	96	66-134		%Rec	3/23/2021	TPH-E by EPA 8015C
NOTES: Note: Reported DRO/ORO concentrations include heavier-end hydrocarbons that are consistent with asphaltic material.						
TPH-P (GRO)	ND	10		mg/Kg	3/25/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	98	70-130		%Rec	3/25/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	95	70-130		%Rec	3/25/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	127	70-130		%Rec	3/25/2021	TPH-P by EPA 8015C



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 3:25:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103125-09 **Matrix:** AQUEOUS
Client Sample ID: BRN-069-B12-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chloroform	1.3	1.0		µg/L	3/23/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

Analytical Report

WO#: MGA2103125
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 3:25:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103125-09 **Matrix:** AQUEOUS
Client Sample ID: BRN-069-B12-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	3/23/2021	VOCs by EPA 8260
Surr: Toluene-d8	102	70-130		%Rec	3/23/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	3/23/2021	VOCs by EPA 8260



CLIENT: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16
Lab ID: 2103125-10
Client Sample ID: BRN-069-Trip Blank

Collection Date: 3/16/2021

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

Analytical Report

WO#: MGA2103125
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc.

Collection Date: 3/16/2021

Project: BRN-069/APN-012-302-16

Lab ID: 2103125-10

Matrix: AQUEOUS

Client Sample ID: BRN-069-Trip Blank

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/23/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	3/23/2021	VOCs by EPA 8260
Surr: Toluene-d8	102	70-130		%Rec	3/23/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	3/23/2021	VOCs by EPA 8260



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Sparks, Nevada 89431
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QC SUMMARY REPORT

WO#: 2103125
06-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: PNA_SIM_S

Sample ID: MB-12660			SampType: MBLK			TestCode: PNA_SIM_S			Units: µg/Kg		
Client ID: PBS			Batch ID: 12660			TestNo: SW8270C			SW3550A		
Prep Date: 3/31/2021			RunNo: 11275			SeqNo: 317395					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	25									
2-Methylnaphthalene	ND	25									
1-Methylnaphthalene	ND	25									
Acenaphthylene	ND	25									
Acenaphthene	ND	25									
Fluorene	ND	25									
Phenanthrene	ND	25									
Anthracene	ND	25									
Fluoranthene	ND	25									
Pyrene	ND	25									
Benzo(a)anthracene	ND	25									
Chrysene	ND	25									
Benzo(b&k)fluoranthene, isomeric pair	ND	50									
Benzo(a)pyrene	ND	25									
Indeno(1,2,3-cd)pyrene	ND	25									
Dibenz(a,h)anthracene	ND	25									
Benzo(g,h,i)perylene	ND	25									
Surr: 2-Fluorobiphenyl	280		312.5		88.4	48.7	168				
Surr: 4-Terphenyl-d14	280		312.5		88.3	36.7	182				

Sample ID: LCSD-12660			SampType: LCSD			TestCode: PNA_SIM_S			Units: µg/Kg		
Client ID: LCSS02			Batch ID: 12660			TestNo: SW8270C			SW3550A		
Prep Date: 3/31/2021			RunNo: 11275			SeqNo: 317404					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	298	25	312.5	0	95.3	79.5	160	293	1.5	32	
2-Methylnaphthalene	292	25	312.5	0	93.3	61.6	155	296	1.5	33	
1-Methylnaphthalene	267	25	312.5	0	85.3	79.5	158	268	0.53	30	
Acenaphthylene	331	25	312.5	0	106	79.5	176	351	5.7	36	
Acenaphthene	306	25	312.5	0	97.8	79.5	167	304	0.7	32	
Fluorene	291	25	312.5	0	93.1	79.5	160	296	1.7	42	
Phenanthrene	252	25	312.5	0	80.7	61.8	150	229	9.7	33	
Anthracene	257	25	312.5	0	82.2	79.5	166	277	7.5	42	
Fluoranthene	299	25	312.5	0	95.6	78	158	309	3.2	40	
Pyrene	286	25	312.5	0	91.4	75	163	296	3.4	49	
Benzo(a)anthracene	218	25	312.5	0	69.7	22.8	178	232	6.1	43	
Chrysene	406	25	312.5	0	130	60.9	183	320	24	36	

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: PNA_SIM_S

Sample ID: LCSD-12660			SampType: LCSD			TestCode: PNA_SIM_S			Units: µg/Kg		
Client ID: LCSS02			Batch ID: 12660			TestNo: SW8270C			SW3550A		
Prep Date: 3/31/2021			RunNo: 11275			SeqNo: 317404					
Analysis Date: 4/1/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b&k)fluoranthene, isomeric pair	841	50	625	0	135	69.7	171	888	5.5	43	
Benzo(a)pyrene	193	25	312.5	0	61.7	55.2	163	233	19	34	
Indeno(1,2,3-cd)pyrene	297	25	312.5	0	95.0	59.5	151	328	10	45	
Dibenz(a,h)anthracene	280	25	312.5	0	89.5	41.5	159	312	11	47	
Benzo(g,h,i)perylene	300	25	312.5	0	95.9	72.8	160	312	4.1	50	
Surr: 2-Fluorobiphenyl	262		312.5		83.8	80	153	273	0	0	
Surr: 4-Terphenyl-d14	279		312.5		89.2	73.3	160	308	0	0	

Sample ID: LCS-12660			SampType: LCS			TestCode: PNA_SIM_S			Units: µg/Kg		
Client ID: LCSS			Batch ID: 12660			TestNo: SW8270C			SW3550A		
Prep Date: 3/31/2021			RunNo: 11275			SeqNo: 317403					
Analysis Date: 4/1/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	293	25	312.5	0	93.8	79.5	160				
2-Methylnaphthalene	296	25	312.5	0	94.8	61.6	155				
1-Methylnaphthalene	268	25	312.5	0	85.8	79.5	158				
Acenaphthylene	351	25	312.5	0	112	79.5	176				
Acenaphthene	304	25	312.5	0	97.2	79.5	167				
Fluorene	296	25	312.5	0	94.7	79.5	160				
Phenanthrene	229	25	312.5	0	73.3	61.8	150				
Anthracene	277	25	312.5	0	88.6	79.5	166				
Fluoranthene	309	25	312.5	0	98.7	78	158				
Pyrene	296	25	312.5	0	94.6	75	163				
Benzo(a)anthracene	232	25	312.5	0	74.1	22.8	178				
Chrysene	320	25	312.5	0	102	60.9	183				
Benzo(b&k)fluoranthene, isomeric pair	888	50	625	0	142	69.7	171				
Benzo(a)pyrene	233	25	312.5	0	74.4	55.2	163				
Indeno(1,2,3-cd)pyrene	328	25	312.5	0	105	59.5	151				
Dibenz(a,h)anthracene	312	25	312.5	0	99.7	41.5	159				
Benzo(g,h,i)perylene	312	25	312.5	0	99.9	72.8	160				
Surr: 2-Fluorobiphenyl	273		312.5		87.4	80	153				
Surr: 4-Terphenyl-d14	308		312.5		98.5	73.3	160				



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: TPH/E_S

Sample ID: MBLK-12604		SampType: MBLK		TestCode: TPH/E_S		Units: mg/Kg					
Client ID: PBS		Batch ID: 12604		TestNo: SW8015		SW8015					
Prep Date: 3/22/2021		RunNo: 11208		SeqNo: 315981							
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	ND	5									
TPH-E (ORO)	ND	10									
Surr: Nonane	5.8		6		97.2	66	134				

Sample ID: LCS-12604		SampType: LCS		TestCode: TPH/E_S		Units: mg/Kg					
Client ID: LCSS		Batch ID: 12604		TestNo: SW8015		SW8015					
Prep Date: 3/22/2021		RunNo: 11208		SeqNo: 315982							
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	106	5	100	0	106	79.4	120.49				
Surr: Nonane	5.59		6		93.1	78	138				

Sample ID: 2103112-02AMSD		SampType: MSD		TestCode: TPH/E_S		Units: mg/Kg					
Client ID: BatchQC		Batch ID: 12604		TestNo: SW8015		SW8015					
Prep Date: 3/22/2021		RunNo: 11208		SeqNo: 315985							
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	111	5	100	4.58	106	59.8	136	109	2	37.9	
Surr: Nonane	5.72		6		95.3	63	134	5.65	0	0	

Sample ID: 2103112-02AMS		SampType: MS		TestCode: TPH/E_S		Units: mg/Kg					
Client ID: BatchQC		Batch ID: 12604		TestNo: SW8015		SW8015					
Prep Date: 3/22/2021		RunNo: 11208		SeqNo: 315984							
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	109	5	100	4.58	104	59.8	136				
Surr: Nonane	5.65		6		94.1	63	134				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
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QC SUMMARY REPORT

WO#: 2103125

06-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: TPH/P_S

Sample ID: MB-12592		SampType: MBLK			TestCode: TPH/P_S			Units: mg/Kg			
Client ID: PBS		Batch ID: A12592B			TestNo: SW8015						
Prep Date: 3/24/2021		RunNo: 11201			SeqNo: 315960						
Analysis Date: 3/24/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	ND	1									
Surr: 1,2-Dichloroethane-d4	0.19		0.2		94.2	69.51	130.49				
Surr: Toluene-d8	0.2		0.2		99.5	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.21		0.2		105	69.51	130.49				

Sample ID: GLCS-12592		SampType: GLCS			TestCode: TPH/P_S			Units: mg/Kg			
Client ID: BatchQC		Batch ID: A12592B			TestNo: SW8015						
Prep Date: 3/23/2021		RunNo: 11201			SeqNo: 315840						
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	18.9	2	16	0	118	64.64	146.49				
Surr: 1,2-Dichloroethane-d4	0.386		0.4		96.5	69.51	130.49				
Surr: Toluene-d8	0.407		0.4		102	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.393		0.4		98.2	69.51	130.49				

Sample ID: 2103128-04AGSD		SampType: GSD			TestCode: TPH/P_S			Units: mg/Kg			
Client ID: BatchQC		Batch ID: A12592B			TestNo: SW8015						
Prep Date: 3/19/2021		RunNo: 11201			SeqNo: 315961						
Analysis Date: 3/24/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	36.1	2	16	0	226	57.6	179	25.1	36	19.4	RS
Surr: 1,2-Dichloroethane-d4	0.379		0.4		94.8	69.51	130.49	0.373	0	0	
Surr: Toluene-d8	0.4		0.4		100	69.51	130.49	0.409	0	0	
Surr: 4-Bromofluorobenzene	0.464		0.4		116	69.51	130.49	0.422	0	0	

NOTES:

Matrix spike recovery was above the laboratory acceptance limits and is likely due to sample non-homogeneity.

Sample ID: 2103128-04AGS		SampType: GS			TestCode: TPH/P_S			Units: mg/Kg			
Client ID: BatchQC		Batch ID: A12592B			TestNo: SW8015						
Prep Date: 3/23/2021		RunNo: 11201			SeqNo: 315831						
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	25.1	2	16	0	157	57.6	179				
Surr: 1,2-Dichloroethane-d4	0.373		0.4		93.3	69.51	130.49				
Surr: Toluene-d8	0.409		0.4		102	69.51	130.49				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 2103125

06-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: TPH/P_S

Sample ID: 2103128-04AGS	SampType: GS	TestCode: TPH/P_S	Units: mg/Kg								
Client ID: BatchQC	Batch ID: A12592B	TestNo: SW8015									
Prep Date: 3/23/2021	RunNo: 11201	SeqNo: 315831									
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surrogate: 4-Bromofluorobenzene	0.422		0.4		105	69.51	130.49				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



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QC SUMMARY REPORT

WO#: 2103125
06-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_S

Sample ID: MB-12592		SampType: MBLK		TestCode: VOC_S		Units: µg/Kg					
Client ID: PBS		Batch ID: A12592		TestNo: SW8260C							
Prep Date: 3/24/2021		RunNo: 11201		SeqNo: 315959							
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	20									
Chloromethane	ND	40									
Vinyl chloride	ND	20									
Chloroethane	ND	20									
Bromomethane	ND	40									
Trichlorofluoromethane	ND	20									
1,1-Dichloroethene	ND	20									
Dichloromethane	ND	40									
trans-1,2-Dichloroethene	ND	20									
Methyl tert-butyl ether (MTBE)	ND	5									
1,1-Dichloroethane	ND	20									
cis-1,2-Dichloroethene	ND	20									
Bromochloromethane	ND	20									
Chloroform	ND	20									
2,2-Dichloropropane	ND	20									
1,2-Dichloroethane	ND	20									
1,1,1-Trichloroethane	ND	20									
1,1-Dichloropropene	ND	20									
Carbon tetrachloride	ND	20									
Benzene	ND	5									
Dibromomethane	ND	20									
1,2-Dichloropropane	ND	20									
Trichloroethene	ND	20									
Bromodichloromethane	ND	20									
cis-1,3-Dichloropropene	ND	20									
trans-1,3-Dichloropropene	ND	20									
1,1,2-Trichloroethane	ND	20									
Toluene	ND	5									
1,3-Dichloropropane	ND	20									
Dibromochloromethane	ND	20									
1,2-Dibromoethane (EDB)	ND	40									
Tetrachloroethene	ND	20									
1,1,1,2-Tetrachloroethane	ND	20									
Chlorobenzene	ND	20									
Ethylbenzene	ND	5									
m,p-Xylene	ND	5									
Bromoform	ND	20									
Styrene	ND	20									
o-Xylene	ND	5									
1,1,2,2-Tetrachloroethane	ND	20									

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



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QC SUMMARY REPORT

WO#: 2103125

06-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_S

Sample ID: MBLK-12592		SampType: MBLK			TestCode: VOC_S			Units: µg/Kg		
Client ID: PBS		Batch ID: A12592			TestNo: SW8260C					
Prep Date: 3/24/2021		RunNo: 11201			SeqNo: 315959					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit Qual
1,2,3-Trichloropropane	ND	40								
Isopropylbenzene	ND	20								
Bromobenzene	ND	20								
n-Propylbenzene	ND	20								
4-Chlorotoluene	ND	20								
2-Chlorotoluene	ND	20								
1,3,5-Trimethylbenzene	ND	20								
tert-Butylbenzene	ND	20								
1,2,4-Trimethylbenzene	ND	20								
sec-Butylbenzene	ND	20								
1,3-Dichlorobenzene	ND	20								
1,4-Dichlorobenzene	ND	20								
4-Isopropyltoluene	ND	20								
1,2-Dichlorobenzene	ND	20								
n-Butylbenzene	ND	20								
1,2-Dibromo-3-chloropropane (DBCP)	ND	60								
1,2,4-Trichlorobenzene	ND	40								
Naphthalene	ND	40								
Hexachlorobutadiene	ND	40								
1,2,3-Trichlorobenzene	ND	40								
Surr: 1,2-Dichloroethane-d4	190		200		94.2	69.51	130.49			
Surr: Toluene-d8	200		200		99.5	69.51	130.49			
Surr: 4-Bromofluorobenzene	210		200		105	69.51	130.49			

Sample ID: LCSD-12592		SampType: LCSD			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS02		Batch ID: A12592			TestNo: SW8260C					
Prep Date: 3/23/2021		RunNo: 11201			SeqNo: 315827					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit Qual
Dichlorodifluoromethane	505	40	400	0	126	5.79	172	259	64	42.9 R
Chloromethane	468	80	400	0	117	5.73	179	300	44	32.1 R
Vinyl chloride	439	40	400	0	110	37.8	194	307	35	55.8
Chloroethane	104	40	400	0	26.0	13.4	120.4	89.3	15	33.6
Bromomethane	258	80	400	0	64.5	7.97	129	208	21	7 R
Trichlorofluoromethane	169	40	400	0	42.3	2.11	120.4	138	20	35.9
1,1-Dichloroethene	475	40	400	0	119	31.3	154	388	20	38.2
Dichloromethane	440	80	400	0	110	45.9	180	386	13	71.2
trans-1,2-Dichloroethene	470	40	400	0	118	52.1	140	382	21	42.1

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_S

Sample ID: LCSD-12592			SampType: LCSD			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS02			Batch ID: A12592			TestNo: SW8260C					
Prep Date: 3/23/2021			RunNo: 11201			SeqNo: 315827					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	468	10	400	0	117	34.9	139	401	15	38.6	
1,1-Dichloroethane	426	40	400	0	106	53.8	140	359	17	44.2	
cis-1,2-Dichloroethene	441	40	400	0	110	54.6	133	378	16	44.8	
Bromochloromethane	452	40	400	0	113	56.5	138	396	13	41.9	
Chloroform	445	40	400	0	111	53.3	126	381	15	43.7	
2,2-Dichloropropane	326	40	400	0	81.5	20.9	147	280	15	36.4	
1,2-Dichloroethane	431	40	400	0	108	56.8	132	373	14	45.7	
1,1,1-Trichloroethane	474	40	400	0	118	44.1	133	405	16	36.3	
1,1-Dichloropropene	461	40	400	0	115	55	141	383	19	43.5	
Carbon tetrachloride	460	40	400	0	115	20	133	396	15	23.8	
Benzene	430	10	400	0	107	59.1	135	359	18	44.9	
Dibromomethane	449	40	400	0	112	54.7	128	377	17	44	
1,2-Dichloropropane	416	40	400	0	104	59	134	360	14	44.2	
Trichloroethene	440	40	400	0	110	54.8	136	367	18	41.7	
Bromodichloromethane	402	40	400	0	100	31.5	128	345	15	32.5	
cis-1,3-Dichloropropene	429	40	400	0	107	32.8	133	357	19	32	
trans-1,3-Dichloropropene	421	40	400	0	105	31.8	134	360	16	31.5	
1,1,2-Trichloroethane	407	40	400	0	102	61.2	141	364	11	42.6	
Toluene	407	10	400	0	102	45.6	133	343	17	43.3	
1,3-Dichloropropene	392	40	400	0	97.9	57.2	132	336	15	38.8	
Dibromochloromethane	409	40	400	0	102	30	133	341	18	21.8	
1,2-Dibromoethane (EDB)	873	80	800	0	109	55.6	130	731	18	33.8	
Tetrachloroethene	453	40	400	0	113	36.1	139	384	17	43.1	
1,1,1,2-Tetrachloroethane	448	40	400	0	112	44.5	135	378	17	31.8	
Chlorobenzene	436	40	400	0	109	56.4	134	366	18	39.2	
Ethylbenzene	442	10	400	0	110	50.1	135	374	17	42.7	
m,p-Xylene	439	10	400	0	110	54.1	137	375	16	39.1	
Bromoform	392	40	400	0	97.9	35.5	136	338	15	25.4	
Styrene	431	40	400	0	108	63.2	141	367	16	37.6	
o-Xylene	441	10	400	0	110	59.3	134	374	17	41.6	
1,1,2,2-Tetrachloroethane	407	40	400	0	102	36.7	184	369	9.8	36.9	
1,2,3-Trichloropropane	786	80	800	0	98.3	45.7	188	689	13	38.9	
Isopropylbenzene	480	40	400	0	120	44.5	129	407	16	45.2	
Bromobenzene	459	40	400	0	115	47.7	127	382	18	42.7	
n-Propylbenzene	479	40	400	0	120	50.5	129	402	17	43.5	
4-Chlorotoluene	449	40	400	0	112	31.1	149	367	20	348	
2-Chlorotoluene	449	40	400	0	112	52.3	128	379	17	47.6	
1,3,5-Trimethylbenzene	491	40	400	0	123	52.2	132	418	16	44.4	
tert-Butylbenzene	486	40	400	0	121	53.9	129	415	16	43.7	
1,2,4-Trimethylbenzene	485	40	400	0	121	55.6	132	410	17	43.8	

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_S

Sample ID: LCSD-12592			SampType: LCSD			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS02			Batch ID: A12592			TestNo: SW8260C					
Prep Date: 3/23/2021			RunNo: 11201			SeqNo: 315827					
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	465	40	400	0	116	56.7	129	395	16	45.9	
1,3-Dichlorobenzene	445	40	400	0	111	55.9	130	382	15	42.8	
1,4-Dichlorobenzene	447	40	400	0	112	52.6	132	376	17	44.7	
4-Isopropyltoluene	491	40	400	0	123	57.5	132	407	19	41.7	
1,2-Dichlorobenzene	415	40	400	0	104	56.6	127	352	17	41.7	
n-Butylbenzene	483	40	400	0	121	59.3	133	404	18	43.2	
1,2-Dibromo-3-chloropropane (DBCP)	2060	120	2000	0	103	33.1	132	1700	19	27.3	
1,2,4-Trichlorobenzene	455	80	400	0	114	41.5	146	356	24	36	
Naphthalene	397	80	400	0	99.3	19.3	164	335	17	37.7	
Hexachlorobutadiene	908	80	800	0	114	44.6	142	727	22	42.7	
1,2,3-Trichlorobenzene	410	80	400	0	103	21.8	160	321	24	61.4	
Surr: 1,2-Dichloroethane-d4	408		400		102	69.51	130.4	372	0	0	
Surr: Toluene-d8	396		400		99.0	69.51	130.4	387	0	0	
Surr: 4-Bromofluorobenzene	416		400		104	69.51	130.4	411	0	0	

Sample ID: LCS-12592			SampType: LCS			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS			Batch ID: A12592			TestNo: SW8260C					
Prep Date: 3/23/2021			RunNo: 11201			SeqNo: 315826					
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	259	40	400	0	64.7	5.79	172				
Chloromethane	300	80	400	0	75.0	5.73	179				
Vinyl chloride	307	40	400	0	76.8	37.8	194				
Chloroethane	89.3	40	400	0	22.3	13.4	120.4				
Bromomethane	208	80	400	0	52.0	7.97	129				
Trichlorofluoromethane	138	40	400	0	34.5	2.11	120.4				
1,1-Dichloroethene	388	40	400	0	97.0	31.3	154				
Dichloromethane	386	80	400	0	96.4	45.9	180				
trans-1,2-Dichloroethene	382	40	400	0	95.6	52.1	140				
Methyl tert-butyl ether (MTBE)	401	10	400	0	100	34.9	139				
1,1-Dichloroethane	359	40	400	0	89.8	53.8	140				
cis-1,2-Dichloroethene	378	40	400	0	94.4	54.6	133				
Bromochloromethane	396	40	400	0	99.0	56.5	138				
Chloroform	381	40	400	0	95.3	53.3	126				
2,2-Dichloropropane	280	40	400	0	69.9	20.9	147				
1,2-Dichloroethane	373	40	400	0	93.3	56.8	132				
1,1,1-Trichloroethane	405	40	400	0	101	44.1	133				
1,1-Dichloropropene	383	40	400	0	95.6	55	141				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_S

Sample ID: LCS-12592			SampType: LCS			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS			Batch ID: A12592			TestNo: SW8260C					
Prep Date: 3/23/2021			RunNo: 11201			SeqNo: 315826					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	396	40	400	0	99.0	20	133				
Benzene	359	10	400	0	89.8	59.1	135				
Dibromomethane	377	40	400	0	94.3	54.7	128				
1,2-Dichloropropane	360	40	400	0	90.0	59	134				
Trichloroethene	367	40	400	0	91.7	54.8	136				
Bromodichloromethane	345	40	400	0	86.2	31.5	128				
cis-1,3-Dichloropropene	357	40	400	0	89.1	32.8	133				
trans-1,3-Dichloropropene	360	40	400	0	90.0	31.8	134				
1,1,2-Trichloroethane	364	40	400	0	91.1	61.2	141				
Toluene	343	10	400	0	85.8	45.6	133				
1,3-Dichloropropane	336	40	400	0	84.0	57.2	132				
Dibromochloromethane	341	40	400	0	85.4	30	133				
1,2-Dibromoethane (EDB)	731	80	800	0	91.3	55.6	130				
Tetrachloroethene	384	40	400	0	95.9	36.1	139				
1,1,1,2-Tetrachloroethane	378	40	400	0	94.6	44.5	135				
Chlorobenzene	366	40	400	0	91.4	56.4	134				
Ethylbenzene	374	10	400	0	93.5	50.1	135				
m,p-Xylene	375	10	400	0	93.7	54.1	137				
Bromoform	338	40	400	0	84.6	35.5	136				
Styrene	367	40	400	0	91.7	63.2	141				
o-Xylene	374	10	400	0	93.4	59.3	134				
1,1,2,2-Tetrachloroethane	369	40	400	0	92.4	36.7	184				
1,2,3-Trichloropropane	689	80	800	0	86.1	45.7	188				
Isopropylbenzene	407	40	400	0	102	44.5	129				
Bromobenzene	382	40	400	0	95.4	47.7	127				
n-Propylbenzene	402	40	400	0	101	50.5	129				
4-Chlorotoluene	367	40	400	0	91.8	31.1	149				
2-Chlorotoluene	379	40	400	0	94.8	52.3	128				
1,3,5-Trimethylbenzene	418	40	400	0	104	52.2	132				
tert-Butylbenzene	415	40	400	0	104	53.9	129				
1,2,4-Trimethylbenzene	410	40	400	0	102	55.6	132				
sec-Butylbenzene	395	40	400	0	98.7	56.7	129				
1,3-Dichlorobenzene	382	40	400	0	95.4	55.9	130				
1,4-Dichlorobenzene	376	40	400	0	93.9	52.6	132				
4-Isopropyltoluene	407	40	400	0	102	57.5	132				
1,2-Dichlorobenzene	352	40	400	0	87.9	56.6	127				
n-Butylbenzene	404	40	400	0	101	59.3	133				
1,2-Dibromo-3-chloropropane (DBCP)	1700	120	2000	0	85.1	33.1	132				
1,2,4-Trichlorobenzene	356	80	400	0	89.0	41.5	146				
Naphthalene	335	80	400	0	83.6	19.3	164				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 2103125
06-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_S

Sample ID: LCS-12592			SampType: LCS			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS			Batch ID: A12592			TestNo: SW8260C					
Prep Date: 3/23/2021			RunNo: 11201			SeqNo: 315826					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	727	80	800	0	90.8	44.6	142				
1,2,3-Trichlorobenzene	321	80	400	0	80.2	21.8	160				
Surr: 1,2-Dichloroethane-d4	372		400		93.0	69.51	130.4				
Surr: Toluene-d8	387		400		96.7	69.51	130.4				
Surr: 4-Bromofluorobenzene	411		400		103	69.51	130.4				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



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QC SUMMARY REPORT

WO#: 2103125
06-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_W

Sample ID: MB-12610		SampType: MBLK		TestCode: VOC_W		Units: µg/L					
Client ID: PBW		Batch ID: A12610		TestNo: SW8260C							
Prep Date: 3/23/2021		RunNo: 11202		SeqNo: 315810							
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	1									
Chloromethane	ND	2									
Vinyl chloride	ND	1									
Chloroethane	ND	1									
Bromomethane	ND	2									
Trichlorofluoromethane	ND	1									
1,1-Dichloroethene	ND	1									
Dichloromethane	ND	2									
trans-1,2-Dichloroethene	ND	1									
Methyl tert-butyl ether (MTBE)	ND	0.5									
1,1-Dichloroethane	ND	1									
cis-1,2-Dichloroethene	ND	1									
Bromochloromethane	ND	1									
Chloroform	ND	1									
2,2-Dichloropropane	ND	1									
1,2-Dichloroethane	ND	1									
1,1,1-Trichloroethane	ND	1									
1,1-Dichloropropene	ND	1									
Carbon tetrachloride	ND	1									
Benzene	ND	0.5									
Dibromomethane	ND	1									
1,2-Dichloropropane	ND	1									
Trichloroethene	ND	1									
Bromodichloromethane	ND	1									
cis-1,3-Dichloropropene	ND	1									
trans-1,3-Dichloropropene	ND	1									
1,1,2-Trichloroethane	ND	1									
Toluene	ND	0.5									
1,3-Dichloropropane	ND	1									
Dibromochloromethane	ND	1									
1,2-Dibromoethane (EDB)	ND	2									
Tetrachloroethene	ND	1									
1,1,1,2-Tetrachloroethane	ND	1									
Chlorobenzene	ND	1									
Ethylbenzene	ND	0.5									
m,p-Xylene	ND	0.5									
Bromoform	ND	1									
Styrene	ND	1									
o-Xylene	ND	0.5									
1,1,2,2-Tetrachloroethane	ND	1									

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



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255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 2103125

06-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_W

Sample ID: MBLK-12610		SampType: MBLK		TestCode: VOC_W		Units: µg/L					
Client ID: PBW		Batch ID: A12610		TestNo: SW8260C							
Prep Date: 3/23/2021		RunNo: 11202		SeqNo: 315810							
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	2									
Isopropylbenzene	ND	1									
Bromobenzene	ND	1									
n-Propylbenzene	ND	1									
4-Chlorotoluene	ND	1									
2-Chlorotoluene	ND	1									
1,3,5-Trimethylbenzene	ND	1									
tert-Butylbenzene	ND	1									
1,2,4-Trimethylbenzene	ND	1									
sec-Butylbenzene	ND	1									
1,3-Dichlorobenzene	ND	1									
1,4-Dichlorobenzene	ND	1									
4-Isopropyltoluene	ND	1									
1,2-Dichlorobenzene	ND	1									
n-Butylbenzene	ND	1									
1,2-Dibromo-3-chloropropane (DBCP)	ND	3									
1,2,4-Trichlorobenzene	ND	2									
Naphthalene	ND	2									
Hexachlorobutadiene	ND	2									
1,2,3-Trichlorobenzene	ND	2									
Surr: 1,2-Dichloroethane-d4	10		10		99.8	69.51	130.49				
Surr: Toluene-d8	10		10		102	69.51	130.49				
Surr: 4-Bromofluorobenzene	10		10		103	69.51	130.49				

Sample ID: LCS-12610		SampType: LCS		TestCode: VOC_W		Units: µg/L					
Client ID: LCSW		Batch ID: A12610		TestNo: SW8260C							
Prep Date: 3/23/2021		RunNo: 11202		SeqNo: 315809							
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	10	1	10	0	100	16.9	124				
Chloromethane	8.48	2	10	0	84.8	25.9	136				
Vinyl chloride	9.69	1	10	0	96.9	47.8	132				
Chloroethane	7.04	1	10	0	70.4	62.3	169				
Bromomethane	9.75	2	10	0	97.5	33.8	135				
Trichlorofluoromethane	10.4	1	10	0	104	16.8	155				
1,1-Dichloroethene	9.96	1	10	0	99.6	65.2	129				
Dichloromethane	9.73	2	10	0	97.3	65.2	129				
trans-1,2-Dichloroethene	9.68	1	10	0	96.8	66.7	132				

Qualifiers: B Analyte detected in the associated Method Blan

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_W

Sample ID: LCS-12610			SampType: LCS			TestCode: VOC_W			Units: µg/L		
Client ID: LCSW			Batch ID: A12610			TestNo: SW8260C					
Prep Date: 3/23/2021			RunNo: 11202			SeqNo: 315809					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	10.3	0.5	10	0	104	52.9	125				
1,1-Dichloroethane	9.14	1	10	0	91.4	66.6	129				
cis-1,2-Dichloroethene	9.47	1	10	0	94.7	59.2	131				
Bromochloromethane	10.3	1	10	0	102	65.9	121				
Chloroform	9.71	1	10	0	97.1	56.5	149				
2,2-Dichloropropane	11.1	1	10	0	111	58.2	146				
1,2-Dichloroethane	9.46	1	10	0	94.6	73.4	120.4				
1,1,1-Trichloroethane	10.5	1	10	0	105	52.7	144				
1,1-Dichloropropene	10.1	1	10	0	101	85.6	131				
Carbon tetrachloride	11.1	1	10	0	111	30.9	175				
Benzene	9.2	0.5	10	0	92.0	79.5	120.4				
Dibromomethane	9.99	1	10	0	99.9	78.5	120.4				
1,2-Dichloropropane	8.97	1	10	0	89.7	79.5	126				
Trichloroethene	8.97	1	10	0	89.7	69	120.4				
Bromodichloromethane	9.43	1	10	0	94.3	73.9	122				
cis-1,3-Dichloropropene	9.79	1	10	0	97.9	78.7	120.4				
trans-1,3-Dichloropropene	9.72	1	10	0	97.2	70.2	120.4				
1,1,2-Trichloroethane	9.55	1	10	0	95.5	76.2	120.4				
Toluene	8.79	0.5	10	0	87.9	79.7	126				
1,3-Dichloropropane	8.7	1	10	0	87.0	71.7	131				
Dibromochloromethane	9.58	1	10	0	95.8	79.5	120.4				
1,2-Dibromoethane (EDB)	19.1	2	20	0	95.4	76.4	120.4				
Tetrachloroethene	9.9	1	10	0	99.0	64	123				
1,1,1,2-Tetrachloroethane	9.94	1	10	0	99.4	77.9	120.4				
Chlorobenzene	9.44	1	10	0	94.4	70.9	120.4				
Ethylbenzene	9.41	0.5	10	0	94.1	77.5	120.4				
m,p-Xylene	9.69	0.5	10	0	96.9	74.8	120.4				
Bromoform	9.62	1	10	0	96.2	51.3	120.4				
Styrene	9.93	1	10	0	99.3	71.9	120.4				
o-Xylene	9.67	0.5	10	0	96.7	79.1	120.4				
1,1,2,2-Tetrachloroethane	10.5	1	10	0	105	55.6	138				
1,2,3-Trichloropropane	18.8	2	20	0	93.9	73.4	120.4				
Isopropylbenzene	9.61	1	10	0	96.1	78.7	148				
Bromobenzene	9.41	1	10	0	94.1	79.5	121				
n-Propylbenzene	9.76	1	10	0	97.6	82.5	134				
4-Chlorotoluene	9.33	1	10	0	93.3	79.5	135				
2-Chlorotoluene	9.39	1	10	0	93.9	79.5	131				
1,3,5-Trimethylbenzene	9.97	1	10	0	99.7	79.5	135				
tert-Butylbenzene	9.9	1	10	0	99.0	79.5	139				
1,2,4-Trimethylbenzene	10.1	1	10	0	101	79.5	138				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_W

Sample ID: LCS-12610			SampType: LCS			TestCode: VOC_W			Units: µg/L		
Client ID: LCSW			Batch ID: A12610			TestNo: SW8260C					
Prep Date: 3/23/2021			RunNo: 11202			SeqNo: 315809					
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	9.46	1	10	0	94.6	79.5	132				
1,3-Dichlorobenzene	9.32	1	10	0	93.2	79.5	125				
1,4-Dichlorobenzene	9.44	1	10	0	94.4	79.5	123				
4-Isopropyltoluene	9.9	1	10	0	99.0	79.5	130				
1,2-Dichlorobenzene	8.85	1	10	0	88.5	79.5	121				
n-Butylbenzene	9.67	1	10	0	96.7	79.5	136				
1,2-Dibromo-3-chloropropane (DBCP)	45.5	3	50	0	90.9	72.1	136				
1,2,4-Trichlorobenzene	9.37	2	10	0	93.7	73.3	126				
Naphthalene	8.4	2	10	0	84.0	47.2	142				
Hexachlorobutadiene	18	2	20	0	89.9	31.2	170				
1,2,3-Trichlorobenzene	8.56	2	10	0	85.6	67.4	130				
Surr: 1,2-Dichloroethane-d4	9.62		10		96.2	69.51	130.5				
Surr: Toluene-d8	9.85		10		98.5	69.51	130.5				
Surr: 4-Bromofluorobenzene	9.86		10		98.6	69.51	130.5				

Sample ID: 2103089-03AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12610			TestNo: SW8260C					
Prep Date: 3/24/2021			RunNo: 11202			SeqNo: 315958					
Analysis Date: 3/24/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	55.6	5	50	0	111	5.1	155	58	4.3	38	
Chloromethane	50.9	10	50	0	102	37.7	121	48.7	4.3	22.5	
Vinyl chloride	49.8	5	50	0	99.6	60.4	140	46.5	6.9	23.9	
Chloroethane	36.6	5	50	0	73.2	43.1	206	33.3	9.4	22.9	
Bromomethane	51.4	10	50	0	103	12.6	168	46.5	10	48	
Trichlorofluoromethane	53.2	5	50	0	106	58.6	163	49.8	6.6	33.3	
1,1-Dichloroethene	50.2	5	50	0	100	69.8	158	46.8	7	21.7	
Dichloromethane	45.8	10	50	0	91.5	71.7	132	43.1	6.1	20	
trans-1,2-Dichloroethene	47.8	5	50	0.8	93.9	72	136	44.3	7.5	19.2	
Methyl tert-butyl ether (MTBE)	47.1	2.5	50	0	94.2	54.8	155	44.5	5.6	21.4	
1,1-Dichloroethane	44.5	5	50	0	89.0	76.9	140	41.3	7.4	18	
cis-1,2-Dichloroethene	113	5	50	84.8	55.8	73.9	133	110	2.5	20.1	S
Bromochloromethane	47.5	5	50	0	95.1	75.8	132	44.7	6.2	23.5	
Chloroform	46.9	5	50	0	93.8	74.3	130	44.5	5.3	18	
2,2-Dichloropropane	33.1	5	50	0	66.1	53.9	146	31.1	6	52.3	
1,2-Dichloroethane	45.1	5	50	0	90.1	72.6	144	44.2	2	17.1	
1,1,1-Trichloroethane	49.5	5	50	0	99.0	70.2	138	46.3	6.6	22.2	
1,1-Dichloropropene	48.2	5	50	0	96.4	69.7	146	44.4	8.2	29.6	

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_W

Sample ID: 2103089-03AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12610			TestNo: SW8260C					
Prep Date: 3/24/2021			RunNo: 11202			SeqNo: 315958					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	52.6	5	50	0	105	58.2	141	48.5	8	31.9	
Benzene	44.9	2.5	50	0	89.8	67.8	140	41.4	8.1	18.1	
Dibromomethane	46.6	5	50	0	93.1	75.2	144	44.5	4.6	19.5	
1,2-Dichloropropane	45	5	50	0	90.1	75.3	144	41.6	7.9	19.7	
Trichloroethene	48.2	5	50	7.32	81.8	65.7	131	45	7	25.3	
Bromodichloromethane	44.5	5	50	0	89.0	70.2	141	41.6	6.7	20.5	
cis-1,3-Dichloropropene	40.9	5	50	0	81.8	56.9	132	38.5	6.1	25.8	
trans-1,3-Dichloropropene	42.3	5	50	0	84.7	72	131	40.3	4.8	26.4	
1,1,2-Trichloroethane	43.9	5	50	0	87.9	74	130	42.4	3.6	21.9	
Toluene	42.4	2.5	50	0	84.7	67.2	131	40	5.8	18.3	
1,3-Dichloropropane	40.2	5	50	0	80.3	74.2	124	40	0.45	21.7	
Dibromochloromethane	44.5	5	50	0	89.1	71.5	134	43.7	1.8	24.1	
1,2-Dibromoethane (EDB)	88.8	10	100	0	88.8	74.7	129	87	2	23.1	
Tetrachloroethene	46.4	5	50	0.85	91.1	45.9	138	43.3	6.9	30.9	
1,1,1,2-Tetrachloroethane	47.2	5	50	0	94.4	75.7	125	44.9	5	22.6	
Chlorobenzene	45.5	5	50	0	90.9	73.7	120	43.2	5.1	23.1	
Ethylbenzene	46	2.5	50	0	92.0	70.3	122	43.5	5.5	25.3	
m,p-Xylene	45	2.5	50	0	90.0	52.9	136	43.4	3.6	26.6	
Bromoform	43	5	50	0	86.1	61.5	141	42.2	1.9	25	
Styrene	43.3	5	50	0	86.6	74	130	41.2	4.9	26	
o-Xylene	46.4	2.5	50	0	92.8	67.3	129	43.4	6.7	25	
1,1,2,2-Tetrachloroethane	48.6	5	50	0	97.1	62.4	153	49.1	1.2	24.6	
1,2,3-Trichloropropane	85.2	10	100	0	85.2	37.4	171	84.8	0.38	50	
Isopropylbenzene	47.6	5	50	0	95.3	63	132	44	8	33.1	
Bromobenzene	45	5	50	0	90.0	65.1	120	43.2	3.9	23.6	
n-Propylbenzene	47.6	5	50	0	95.2	58.2	128	43.7	8.6	32.4	
4-Chlorotoluene	44.8	5	50	0	89.7	63.9	127	41.8	7.1	29.1	
2-Chlorotoluene	46	5	50	0	91.9	63.2	126	42.2	8.5	28.9	
1,3,5-Trimethylbenzene	48.7	5	50	0	97.5	63.8	138	45.4	7	31.9	
tert-Butylbenzene	48.6	5	50	0	97.1	59.7	128	44.8	8.1	36.2	
1,2,4-Trimethylbenzene	47.6	5	50	0	95.2	65.1	135	45.5	4.5	28.8	
sec-Butylbenzene	46.9	5	50	0	93.7	55.5	128	42.6	9.5	40.9	
1,3-Dichlorobenzene	44.8	5	50	0	89.6	64.5	122	42.5	5.2	28.6	
1,4-Dichlorobenzene	46.1	5	50	0	92.2	63.7	121	42.3	8.6	27.7	
4-Isopropyltoluene	47.6	5	50	0	95.2	58	135	44	7.8	40.4	
1,2-Dichlorobenzene	42.9	5	50	0	85.7	66.7	122	40.7	5.1	24.5	
n-Butylbenzene	47.1	5	50	0	94.3	52.7	139	42.5	10	43.5	
1,2-Dibromo-3-chloropropane (DBCP)	225	15	250	0	89.8	59.1	143	219	2.5	24.9	
1,2,4-Trichlorobenzene	45.5	10	50	0	91.0	47.1	139	40.7	11	35	
Naphthalene	42.7	10	50	0	85.3	31.6	164	38	12	50	

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 2103125

06-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_W

Sample ID: 2103089-03AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12610			TestNo: SW8260C					
Prep Date: 3/24/2021			RunNo: 11202			SeqNo: 315958					
Analysis Date: 3/24/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	84.1	10	100	0	84.1	45.6	123	77.8	7.8	48	
1,2,3-Trichlorobenzene	43.7	10	50	0	87.4	17.7	171	38.8	12	57	
Surr: 1,2-Dichloroethane-d4	47.2		50		94.4	69.51	130.49	48.5	0	0	
Surr: Toluene-d8	49.7		50		99.4	69.51	130.49	50	0	0	
Surr: 4-Bromofluorobenzene	50.1		50		100	69.51	130.49	49.5	0	0	

Sample ID: 2103089-03AMS			SampType: MS			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12610			TestNo: SW8260C					
Prep Date: 3/24/2021			RunNo: 11202			SeqNo: 315957					
Analysis Date: 3/24/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	58	5	50	0	116	5.1	155				
Chloromethane	48.7	10	50	0	97.5	37.7	121				
Vinyl chloride	46.5	5	50	0	93.0	60.4	140				
Chloroethane	33.3	5	50	0	66.7	43.1	206				
Bromomethane	46.5	10	50	0	93.0	12.6	168				
Trichlorofluoromethane	49.8	5	50	0	99.6	58.6	163				
1,1-Dichloroethene	46.8	5	50	0	93.6	69.8	158				
Dichloromethane	43.1	10	50	0	86.1	71.7	132				
trans-1,2-Dichloroethene	44.3	5	50	0.8	87.0	72	136				
Methyl tert-butyl ether (MTBE)	44.5	2.5	50	0	89.1	54.8	155				
1,1-Dichloroethane	41.3	5	50	0	82.7	76.9	140				
cis-1,2-Dichloroethene	110	5	50	84.8	50.3	73.9	133				S
Bromochloromethane	44.7	5	50	0	89.4	75.8	132				
Chloroform	44.5	5	50	0	88.9	74.3	130				
2,2-Dichloropropane	31.1	5	50	0	62.2	53.9	146				
1,2-Dichloroethane	44.2	5	50	0	88.3	72.6	144				
1,1,1-Trichloroethane	46.3	5	50	0	92.7	70.2	138				
1,1-Dichloropropene	44.4	5	50	0	88.9	69.7	146				
Carbon tetrachloride	48.5	5	50	0	97.0	58.2	141				
Benzene	41.4	2.5	50	0	82.8	67.8	140				
Dibromomethane	44.5	5	50	0	89.0	75.2	144				
1,2-Dichloropropane	41.6	5	50	0	83.3	75.3	144				
Trichloroethene	45	5	50	7.32	75.3	65.7	131				
Bromodichloromethane	41.6	5	50	0	83.2	70.2	141				
cis-1,3-Dichloropropene	38.5	5	50	0	77.0	56.9	132				
trans-1,3-Dichloropropene	40.3	5	50	0	80.7	72	131				
1,1,2-Trichloroethane	42.4	5	50	0	84.7	74	130				

- Qualifiers:** B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_W

Sample ID: 2103089-03AMS			SampType: MS			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12610			TestNo: SW8260C					
Prep Date: 3/24/2021			RunNo: 11202			SeqNo: 315957					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	40	2.5	50	0	80.0	67.2	131				
1,3-Dichloropropane	40	5	50	0	80.0	74.2	124				
Dibromochloromethane	43.7	5	50	0	87.4	71.5	134				
1,2-Dibromoethane (EDB)	87	10	100	0	87.0	74.7	129				
Tetrachloroethene	43.3	5	50	0.85	84.9	45.9	138				
1,1,1,2-Tetrachloroethane	44.9	5	50	0	89.8	75.7	125				
Chlorobenzene	43.2	5	50	0	86.4	73.7	120				
Ethylbenzene	43.5	2.5	50	0	87.1	70.3	122				
m,p-Xylene	43.4	2.5	50	0	86.8	52.9	136				
Bromoform	42.2	5	50	0	84.5	61.5	141				
Styrene	41.2	5	50	0	82.5	74	130				
o-Xylene	43.4	2.5	50	0	86.7	67.3	129				
1,1,2,2-Tetrachloroethane	49.1	5	50	0	98.3	62.4	153				
1,2,3-Trichloropropane	84.8	10	100	0	84.8	37.4	171				
Isopropylbenzene	44	5	50	0	87.9	63	132				
Bromobenzene	43.2	5	50	0	86.5	65.1	120				
n-Propylbenzene	43.7	5	50	0	87.3	58.2	128				
4-Chlorotoluene	41.8	5	50	0	83.5	63.9	127				
2-Chlorotoluene	42.2	5	50	0	84.4	63.2	126				
1,3,5-Trimethylbenzene	45.4	5	50	0	90.9	63.8	138				
tert-Butylbenzene	44.8	5	50	0	89.5	59.7	128				
1,2,4-Trimethylbenzene	45.5	5	50	0	91.0	65.1	135				
sec-Butylbenzene	42.6	5	50	0	85.3	55.5	128				
1,3-Dichlorobenzene	42.5	5	50	0	85.1	64.5	122				
1,4-Dichlorobenzene	42.3	5	50	0	84.6	63.7	121				
4-Isopropyltoluene	44	5	50	0	88.1	58	135				
1,2-Dichlorobenzene	40.7	5	50	0	81.4	66.7	122				
n-Butylbenzene	42.5	5	50	0	85.1	52.7	139				
1,2-Dibromo-3-chloropropane (DBCP)	219	15	250	0	87.6	59.1	143				
1,2,4-Trichlorobenzene	40.7	10	50	0	81.4	47.1	139				
Naphthalene	38	10	50	0	76.0	31.6	164				
Hexachlorobutadiene	77.8	10	100	0	77.8	45.6	123				
1,2,3-Trichlorobenzene	38.8	10	50	0	77.5	17.7	171				
Surr: 1,2-Dichloroethane-d4	48.5		50		97.0	69.51	130.49				
Surr: Toluene-d8			50		100	69.51	130.49				
Surr: 4-Bromofluorobenzene	49.5		50		98.9	69.51	130.49				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

Definition Only

WO#: 2103125
Date: 4/2/2021

Definitions:

ND = Not Detected

C = Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.

D = Reporting Limits were increased due to high concentrations of non-target analytes.

H = Reporting Limits were increased due to the hydrocarbons present in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

K = DRO concentration may include contributions from lighter-end hydrocarbons (e.g. gasoline) that elute in the DRO range.

L = DRO concentration may include contributions from heavier-end hydrocarbons (e.g. motor oil) that elute in the DRO range.

O = Reporting Limits were increased due to sample foaming.

V = Reporting Limits were increased due to high concentrations of target analytes.

X = Reporting Limits were increased due to sample matrix interferences.

Z = DRO concentration may include contributions from lighter-end (e.g. gasoline) and heavier-end (e.g. motor oil) hydrocarbons that elute in the DRO range.

S50 = The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The laboratory control sample was acceptable.

S51 = Surrogate recovery could not be determined due to the presence of co-eluting hydrocarbons.

S52 = Surrogate recovery was above laboratory acceptance limits. Probable matrix effect.

S53 = Surrogate recovery was below laboratory acceptance limits. Probable matrix effect.

S54 = Surrogate recovery was below laboratory acceptance limits.

S55 = Surrogate recovery was above laboratory acceptance limits.

AMENDED RUSH

NV

WORKORDER SUMMARY

Report CC's Caitlin Jelle
Kyndra Washell

Alpha Analytical, Inc.

255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044
FAX: (775) 355-0406

WorkOrder: MGA2103125
Report Due By: 26-Mar-21 4/2
EDD Required: YES

Report Attention: Caitlin Jelle

Client:

McGinley & Associates, Inc.
5410 Longley Lane
Reno, NV 89511

TEL: 7758292245
FAX: 7758292213
ProjectNo: BRN-069/APN-012-302-16

Date Received: 19-Mar-21

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha Sub TAT	Requested Tests			
					PNA_SIM_S	TPHP_S	VOC_S	VOC_W
MGA2103125-01	BRN-069-BB@0-3'	SO	3/16/2021 10:15:00 AM	1 0 5	A - TPHE_N	A - GAS-N		
MGA2103125-02	BRN-069-BB@48'	SO	3/16/2021 5:20:00 PM	1 0 5	A - TPHE_N	A - GAS-N		
MGA2103125-03	BRN-069-BB-H2O	AQ	3/16/2021 5:30:00 PM	4 0 5				A - 8260/M_N
MGA2103125-04	BRN-069-B11@0-3'	SO	3/17/2021 2:40:00 PM	1 0 5	A - TPHE_N	A - GAS-N		
MGA2103125-05	BRN-069-B11@54"	SO	3/18/2021 11:00:00 AM	1 0 5	A - TPHE_N	A - GAS-N		
MGA2103125-06	BRN-069-B11-H2O	AQ	3/18/2021 11:05:00 AM	4 0 5				A - 8260/M_N
MGA2103125-07	BRN-069-B12@0-3'	SO	3/18/2021 12:40:00 PM	1 0 5	A - SIM	A - TPHE_N	A - 8260/M_N	
MGA2103125-08	BRN-069-B12@42'	SO	3/18/2021 3:15:00 PM	1 0 5		A - TPHE_N	A - GAS-N	
MGA2103125-09	BRN-069-B12-H2O	AQ	3/18/2021 3:25:00 PM	4 0 5				A - 8260/M_N
MGA2103125-10	BRN-069-Trip Blank	AQ	3/16/2021	1 0 5				A - 8260/M_N
								Reno TB 10/5/20

Comments: Sediment in voas. Amended 3/31/21 to add VOC and PNA SIM on a 48 HR TAT to sample 07, per email from Anna. OK to analyze outside holding time. HT

Logged in by:	Signature	Print Name	Company	Date/Time
		Haylee Tilton	Alpha Analytical, Inc.	3/31/21 9:45

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
Page 36 of 38

Report CC's Caitlin Jelle
Kyndra Washell

WORKORDER SUMMARY

NV

Client:
McGinley & Associates, Inc.
5410 Longley Lane
Reno, NV 89511

Alpha Analytical, Inc.

235 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044
FAX: (775) 355-0406

Report Attention: Caitlin Jelle

WorkOrder: MGA2103125
Report Due By: 26-Mar-21
EDD Required: YES

Date Received: 19-Mar-21

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha Sub TAT	Requested Tests			
					TPH/E_S	TPH/P_S	VOC_W	Sample Remarks
MGA2103125-01	BRN-069-BB@0'3'	SO	3/16/2021 10:15:00 AM	1 0	5	A - TPH/E_N	A - GAS/N	
MGA2103125-02	BRN-069-BB@48"	SO	3/16/2021 5:20:00 PM	1 0	5	A - TPH/E_N	A - GAS/N	
MGA2103125-03	BRN-069-BB-H2O	AQ	3/16/2021 5:30:00 PM	4 0	5			A - 8260/M_N
MGA2103125-04	BRN-069-B11@0'3'	SO	3/17/2021 2:40:00 PM	1 0	5	A - TPH/E_N	A - GAS/N	
MGA2103125-05	BRN-069-B11@54"	SO	3/18/2021 11:00:00 AM	1 0	5	A - TPH/E_N	A - GAS/N	
MGA2103125-06	BRN-069-B11-H2O	AQ	3/18/2021 11:05:00 AM	4 0	5			A - 8260/M_N
MGA2103125-07	BRN-069-B12@0'3'	SO	3/18/2021 12:45:00 PM	1 0	5	A - TPH/E_N	A - GAS/N	
MGA2103125-08	BRN-069-B12@42"	SO	3/18/2021 3:15:00 PM	1 0	5	A - TPH/E_N	A - GAS/N	
MGA2103125-09	BRN-069-B12-H2O	AQ	3/18/2021 3:25:00 PM	4 0	5			A - 8260/M_N
MGA2103125-10	BRN-069-Trip Blank	AQ	3/16/2021	1 0	5			A - 8260/M_N

Comments: Sediment in voas

Logged in by:	Signature	Print Name	Company	Date/Time
		Kaitlin Jelle	Alpha Analytical, Inc.	3/19/21 11:55

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

CHAIN OF CUSTODY



Billing Information:

Company: M. G. Griswold
 Attn: _____
 Address: _____
 City, State, Zip: _____
 Phone Number: _____
 Fax: _____

Alpha Analytical, Inc.

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431
Satellite Service Centers:
 Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827
 Northern NV: 350 7th St., Elko, NV 89801

Phone: 775-355-1044
 Fax: 775-355-0466
 Phone: 916-386-8089
 Phone: 775-388-7043

Page # 1 of 1

Samples Collected from which State? (circle one)							Analysis Requested							QC Deliverable Info:								
AR	CA	KS	NV	OR	WA	Other	Report Attention/Project Manager: <u>C. J. Bell</u>							EDD Required? Yes / No _____								
							# Contaminants* (See Key Below)							Global ID: _____								
							TAT							Data Validation Packages: III or IV								
							Field Filtered?							Remarks								
10/15	3/16	5/6	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description							5	15	Yes	No							
17/20	"	5/6	MGRN-0310521	BRN-069-B80-B80-3'								5	15	X	X							
17/30	"	AQ		BRN-069-B8-B8-1420								5	4V	X	X							
14/40	3/17	SO		BRN-069-B11-B0-3'								5	15	X	X							
11/00	3/18	SO		BRN-069-B11-B54'								5	15	X	X							
11/05	"	AQ		BRN-069-B11-H20								5	4V	X	X							
12/40	"	SO		->7 BRN-069-B12-B0-3'								15	X	X								
15/15	"	SO		->8 BRN-069-B12-B12'								15	X	X								
15/25	"	AQ		->9 BRN-069-B12-H20								4V	X	X								
NA	NA	NA		->6 BRN-069-Trip Blank								15	X	X								

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: Douglas Persell
 Distinguished by: (Signature/Affiliation):
Douglas Persell

Received by: (Signature/Affiliation):
John V. O'Boyle
 Received by: (Signature/Affiliation):
John V. O'Boyle

Received by: (Signature/Affiliation):
John V. O'Boyle
 Received by: (Signature/Affiliation):
John V. O'Boyle

Received by: (Signature/Affiliation):
John V. O'Boyle
 Received by: (Signature/Affiliation):
John V. O'Boyle

* Key: AQ - Aqueous AR-Air OT - Other So-Soil WA - Waste ** B - Brass L - Liter O - Orbo OT - Other P - Plastic S-Soil Jar T - Tedlar V - VOA

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Date: 10/15/14 Time: 10:40

Date: 10/15/14 Time: 10:40

Date: 10/15/14 Time: 10:40

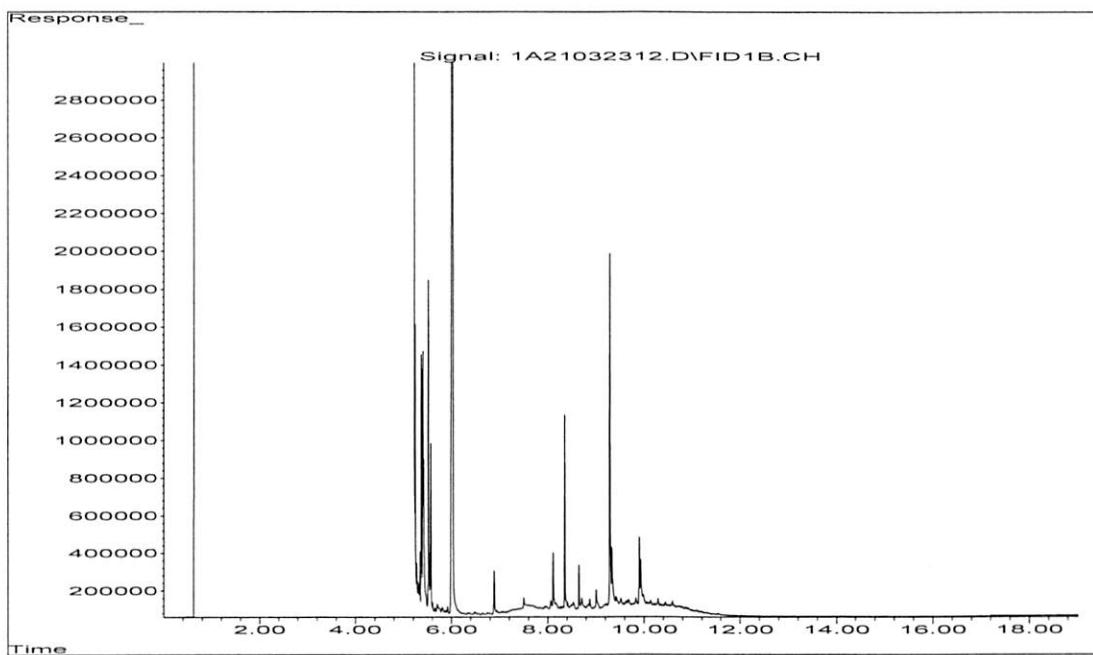
Date: 10/15/14 Time: 10:40

Sample Name: MGA2103125-01
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21032312.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/23/21 21:18
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 12

Result K
 Peer/QAQC
 Report 1/3/21
 Final 1/3/21
Jg 3/26/21

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	6.02	159780979.6	5.9782	ppm	
	Spiked Amt	6.00	%Recovery	99.64		
2)	TPH-E (GRO)	7.50	33197654.04	1.27	ppm	
3)	TPH-E (JFRO)	7.50	100589092.4	3.860	ppm	
4)	TPH-E (DRO)	9.00	90335687.58	3.467	ppm	
5)	TPH-E (ORO)	11.00	68247696.12	3.216	ppm	
6)	TPH (Extractable)	7.50	169004516	6.49	ppm	

	RL (SOIL)			RL(WATER)		
	NV	CA	OR	NV	CA	OR
JFRO	10	5	25	0.5	0.05	0.25
DRO	10	5	25	0.5	0.05	0.25
ORO	10	10	100	0.5	0.5	0.5

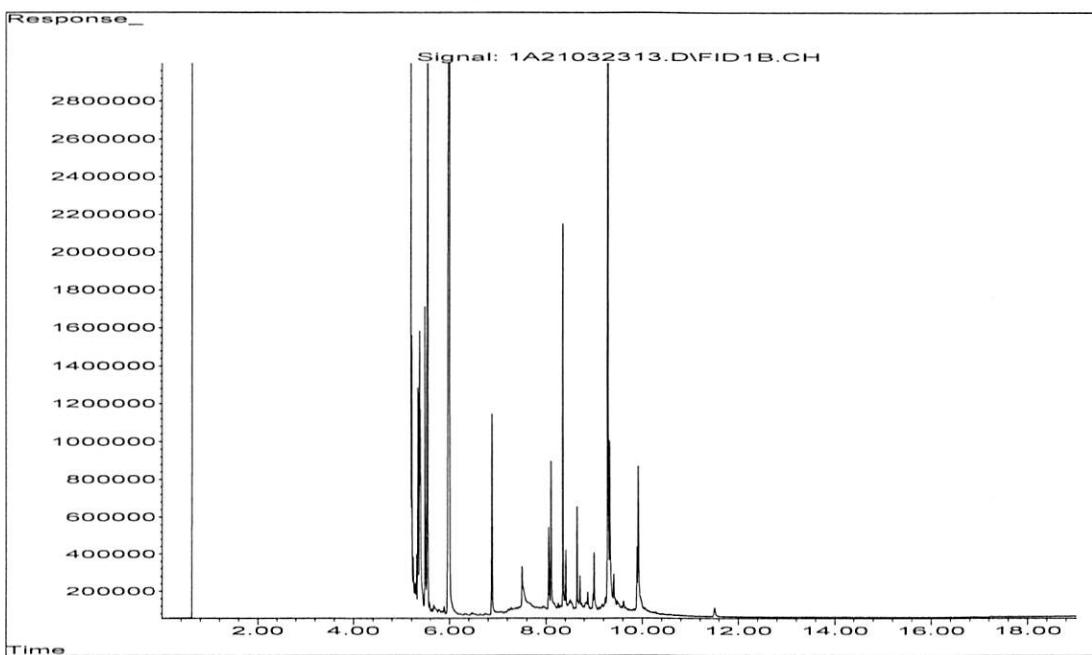


Sample Name: MGA2103125-02
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21032313.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/23/21 21:45
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 13

Result Z
 Peer/QAQC _____
 Report PK
 Final DG

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	5.99	159914948	5.9832	ppm	
	Spiked Amt	6.00	%Recovery	99.72		
2)	TPH-E (GRO)	7.50	60940265.32	2.34	ppm	
3)	TPH-E (JFRO)	7.50	190553098.1	7.313	ppm	
4)	TPH-E (DRO)	9.00	174329395.9	6.690	ppm	
5)	TPH-E (ORO)	11.00	38263474.09	1.803	ppm	
6)	TPH (Extractable)	7.50	229308965	8.80	ppm	

		RL (SOIL)			RL(WATER)		
		NV	CA	OR	NV	CA	OR
JFRO		10	5	25	0.5	0.05	0.25
DRO		10	5	25	0.5	0.05	0.25
ORO		10	10	100	0.5	0.5	0.5

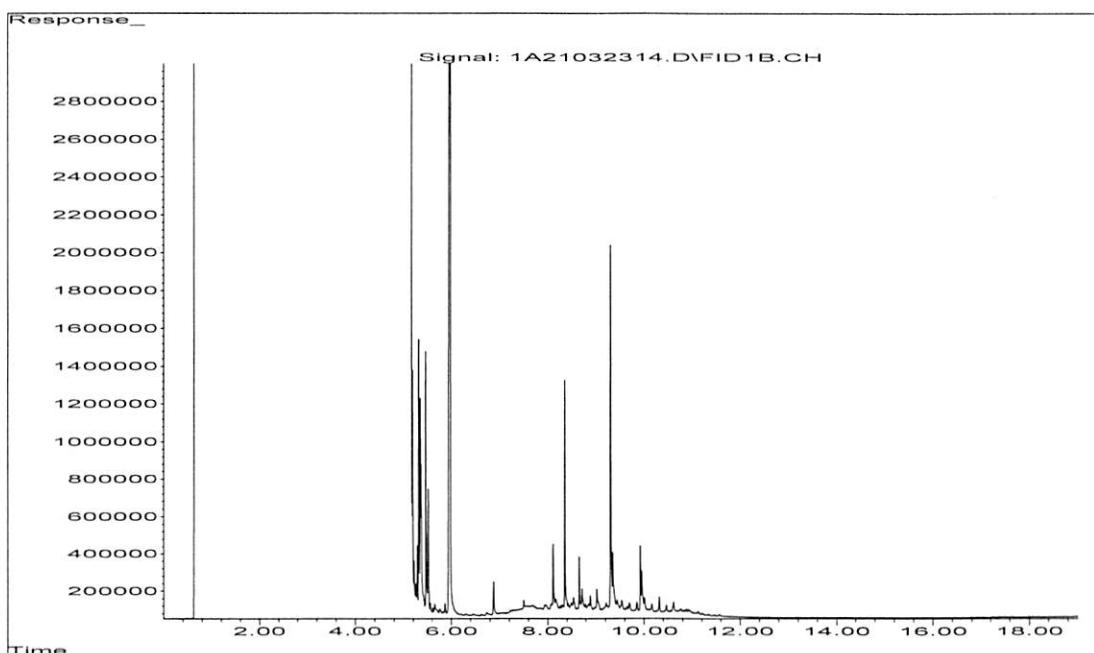


Sample Name: MGA2103125-04
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21032314.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/23/21 22:12
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 14

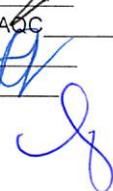
Result J
 Peer/QAQC _____
 Report AV
 Final SJ

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	5.97	159288677.6	5.9598	ppm	
	Spiked Amt	6.00	%Recovery	99.33		
2)	TPH-E (GRO)	7.50	35484738.12	1.36	ppm	
3)	TPH-E (JFRO)	7.50	109447857.8	4.200	ppm	
4)	TPH-E (DRO)	9.00	98720259.68	3.789	ppm	
5)	TPH-E (ORO)	11.00	49409356.88	2.328	ppm	
6)	TPH (Extractable)	7.50	159290058.5	6.11	ppm	

		RL(SOIL)			RL(WATER)		
		NV	CA	OR	NV	CA	OR
JFRO		10	5	25	0.5	0.05	0.25
DRO		10	5	25	0.5	0.05	0.25
ORO		10	10	100	0.5	0.5	0.5

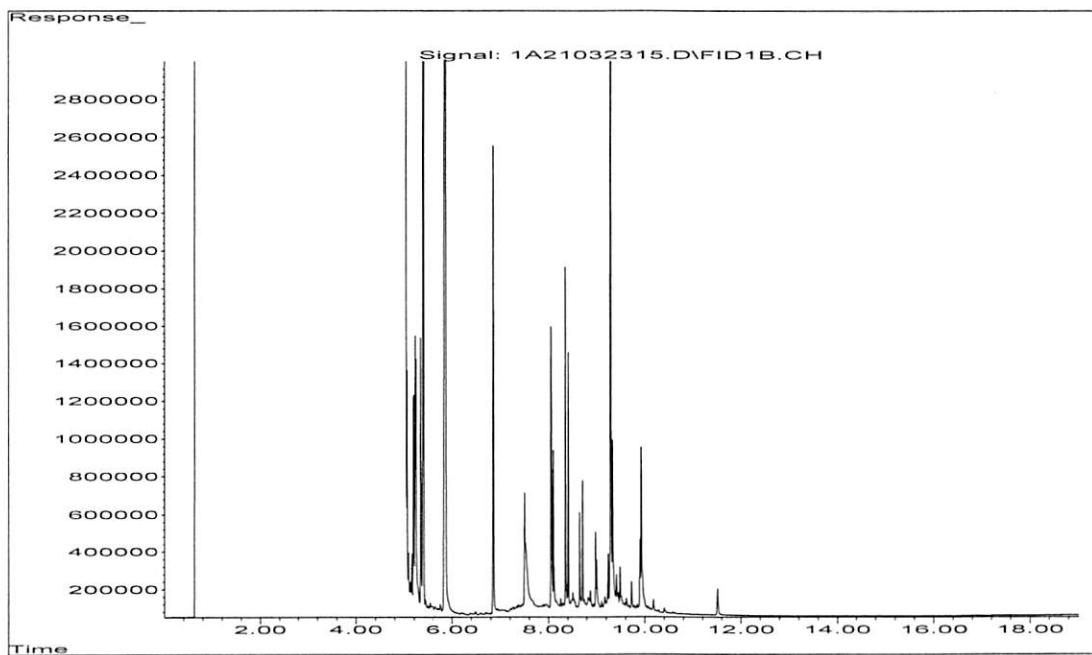


Sample Name: MGA2103125-05
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21032315.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/23/21 22:38
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 15

Result J
 Peer/QAQC _____
 Report J
 Final J


#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	5.86	151220107.5	5.6579	ppm	
	Spiked Amt	6.00	%Recovery	94.30		
2)	TPH-E (GRO)	7.50	105120713.1	4.03	ppm	
3)	TPH-E (JFRO)	7.50	231599174.3	8.888	ppm	
4)	TPH-E (DRO)	9.00	205410398.2	7.883	ppm	
5)	TPH-E (ORO)	11.00	48363054.66	2.279	ppm	
6)	TPH (Extractable)	7.50	279666477.8	10.73	ppm	

	RL(SOIL)			RL(WATER)		
	NV	CA	OR	NV	CA	OR
JFRO	10	5	25	0.5	0.05	0.25
DRO	10	5	25	0.5	0.05	0.25
ORO	10	10	100	0.5	0.5	0.5

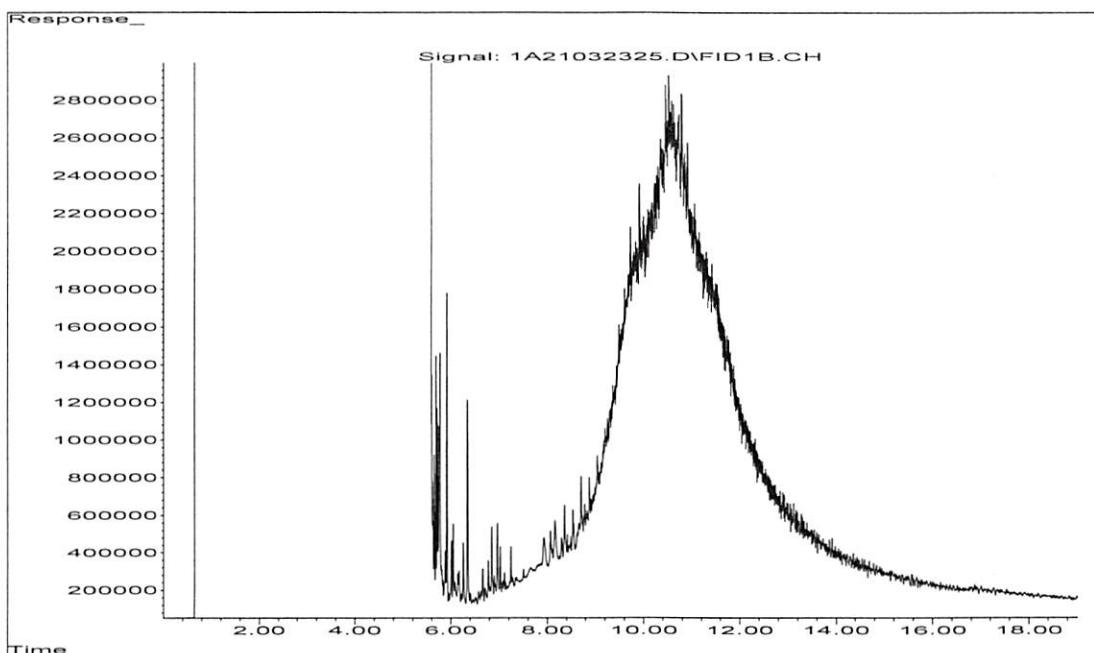


Sample Name: MGA2103125-07
 Instrument Name: FID01
 Misc Info: SOIL x 10.0
 Sample Multiplier: 20
 Data File Name: 1A21032325.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/24/21 03:04
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 25

Result 2
 Peer/QAQC _____
 Report _____
 Final _____
JL

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	6.34	15110081.5	5.6535	ppm	<i>Cal'd</i>
	Spiked Amt	6.00	%Recovery	94.22		<i>Actual</i>
2)	TPH-E (GRO)	7.50	128965168	49.49	ppm	
3)	TPH-E (JFRO)	7.50	593301193	227.690	ppm	
4)	TPH-E (DRO)	9.00	558926834.9	214.499	ppm	
5)	TPH-E (ORO)	11.00	3716857672	1751.513	ppm	
6)	TPH (Extractable)	7.50	4277138595	1641.43	ppm	

	RL (SOIL)			RL(WATER)		
	NV	CA	OR	NV	CA	OR
JFRO	10	5	25	0.5	0.05	0.25
DRO	50	10	25	0.5	0.05	0.25
ORO	100	10	100	0.5	0.5	0.5

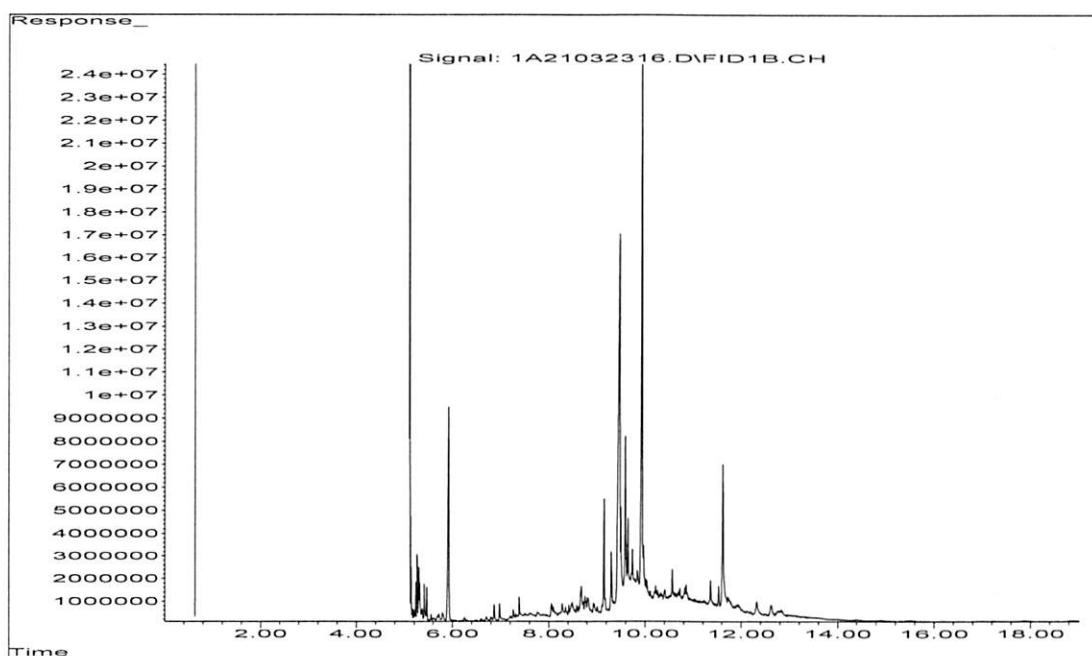


Sample Name: MGA2103125-08
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21032316.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/23/21 23:05
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 16

Result J
 Peer/QAQC _____
 Report _____
 Final J

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	5.92	153916538.2	5.7588	ppm	
	Spiked Amt	6.00	%Recovery	95.98		
2)	TPH-E (GRO)	7.50	208981692.8	8.02	ppm	
3)	TPH-E (JFRO)	7.50	1196224219	45.907	ppm	✓
4)	TPH-E (DRO)	9.00	1135831617	43.590	ppm	L C
5)	TPH-E (ORO)	11.00	2774673789	130.752	ppm	C
6)	TPH (Extractable)	7.50	3915973518	150.28	ppm	

	JFRO	RL (SOIL)			RL(WATER)		
		NV	CA	OR	NV	CA	OR
	JFRO	10	5	25	0.5	0.05	0.25
	DRO	10	5	25	0.5	0.05	0.25
	ORO	10	10	100	0.5	0.5	0.5





Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

April 02, 2021

Caitlin Jelle
McGinley & Associates, Inc.
5410 Longley Lane
Reno, NV 89511
TEL: (775) 829-2245
FAX: (775) 829-2213

RE: BRN-069/APN-012-302-16

Dear Caitlin Jelle:

Order No.: MGA2103122

The result of this report apply to the sample(s) as received.

There were no problems with the analytical events associated with this report unless noted.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Randy Gardner". The signature is fluid and cursive, with "Randy" on top and "Gardner" below it, though the two names are connected.

Randy Gardner
Laboratory Manager
255 Glendale Ave, #21
Sparks, Nevada 89431



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

Analytical Report

WO#: MGA2103122
Report Date: 4/2/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 12:50:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103122-01 **Matrix:** SOIL
Client Sample ID: BRN-069-S1@1'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	390	250	L	mg/Kg	3/24/2021	TPH-E by EPA 8015C
TPH-E (ORO)	3,200	500		mg/Kg	3/24/2021	TPH-E by EPA 8015C
Surr: Nonane	88	66-134		%Rec	3/24/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	10		mg/Kg	3/26/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	92	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

Analytical Report

WO#: MGA2103122
Report Date: 4/2/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 1:00:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103122-02 **Matrix:** SOIL
Client Sample ID: BRN-069-S2@1'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	510	250	L	mg/Kg	3/24/2021	TPH-E by EPA 8015C
TPH-E (ORO)	3,200	500		mg/Kg	3/24/2021	TPH-E by EPA 8015C
Surr: Nonane	90	66-134		%Rec	3/24/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	10		mg/Kg	3/26/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	106	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 1:10:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103122-03 **Matrix:** SOIL
Client Sample ID: BRN-069-S3@1'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Naphthalene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
2-Methylnaphthalene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
1-Methylnaphthalene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Acenaphthylene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Acenaphthene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Fluorene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Phenanthrene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Anthracene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Fluoranthene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Pyrene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(a)anthracene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Chrysene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(b&k)fluoranthene, isomeric pair	ND	1,000		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(a)pyrene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Indeno(1,2,3-cd)pyrene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Dibenz(a,h)anthracene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(g,h,i)perylene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Surr: 2-Fluorobiphenyl	82	52-130		%Rec	4/1/2021	PNAs by EPA 8270SIM
Surr: 4-Terphenyl-d14	87	54-158		%Rec	4/1/2021	PNAs by EPA 8270SIM

NOTES:

Reporting Limits were increased due to the hydrocarbons present in the sample.

TPH-E (DRO)	1,700	250	L	mg/Kg	3/24/2021	TPH-E by EPA 8015C
TPH-E (ORO)	9,000	500		mg/Kg	3/24/2021	TPH-E by EPA 8015C
Surr: Nonane	97	66-134		%Rec	3/24/2021	TPH-E by EPA 8015C
TPH-P (GRO)	34	10		mg/Kg	3/26/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	97	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	92	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chloromethane	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
Vinyl chloride	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chloroethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromomethane	ND	400		µg/Kg	3/26/2021	VOCs by EPA 8260B
Trichlorofluoromethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1-Dichloroethene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Dichloromethane	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
trans-1,2-Dichloroethene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Methyl tert-butyl ether (MTBE)	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1-Dichloroethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
cis-1,2-Dichloroethene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromoform	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
2,2-Dichloropropane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dichloroethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,1-Trichloroethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1-Dichloropropene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 1:10:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103122-03 **Matrix:** SOIL
Client Sample ID: BRN-069-S3@1'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Carbon tetrachloride	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Benzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Dibromomethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dichloropropane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Trichloroethene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromodichloromethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
cis-1,3-Dichloropropene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
trans-1,3-Dichloropropene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,2-Trichloroethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Toluene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,3-Dichloropropane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Dibromochloromethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dibromoethane (EDB)	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
Tetrachloroethene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,1,2-Tetrachloroethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chlorobenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Ethylbenzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
m,p-Xylene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromoform	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Styrene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
o-Xylene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,2,2-Tetrachloroethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,3-Trichloropropane	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
Isopropylbenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromobenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
n-Propylbenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
4-Chlorotoluene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
2-Chlorotoluene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,3,5-Trimethylbenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
tert-Butylbenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,4-Trimethylbenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
sec-Butylbenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,3-Dichlorobenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,4-Dichlorobenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
4-Isopropyltoluene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dichlorobenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
n-Butylbenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	480		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,4-Trichlorobenzene	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
Naphthalene	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
Hexachlorobutadiene	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,3-Trichlorobenzene	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
Surr: 1,2-Dichloroethane-d4	97	70-130		%Rec	3/26/2021	VOCs by EPA 8260B
Surr: Toluene-d8	104	70-130		%Rec	3/26/2021	VOCs by EPA 8260B
Surr: 4-Bromofluorobenzene	92	70-130		%Rec	3/26/2021	VOCs by EPA 8260B

NOTES:

Reporting Limits were increased due to sample foaming.



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 1:25:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103122-04 **Matrix:** SOIL
Client Sample ID: BRN-069-S4@1'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Naphthalene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
2-Methylnaphthalene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
1-Methylnaphthalene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Acenaphthylene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Acenaphthene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Fluorene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Phenanthrene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Anthracene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Fluoranthene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Pyrene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(a)anthracene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Chrysene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(b&k)fluoranthene, isomeric pair	ND	2,500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(a)pyrene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Indeno(1,2,3-cd)pyrene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Dibenz(a,h)anthracene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(g,h,i)perylene	ND	1,200		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Surr: 2-Fluorobiphenyl	104	52-130		%Rec	4/1/2021	PNAs by EPA 8270SIM
Surr: 4-Terphenyl-d14	100	54-158		%Rec	4/1/2021	PNAs by EPA 8270SIM
NOTES:						
Reporting Limits were increased due to the hydrocarbons present in the sample.						
TPH-E (DRO)	7,900	500	L	mg/Kg	3/24/2021	TPH-E by EPA 8015C
TPH-E (ORO)	36,000	1,000		mg/Kg	3/24/2021	TPH-E by EPA 8015C
Surr: Nonane	98	66-134		%Rec	3/24/2021	TPH-E by EPA 8015C
TPH-P (GRO)	15	10		mg/Kg	3/26/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	97	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	104	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chloromethane	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
Vinyl chloride	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chloroethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromomethane	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
Trichlorofluoromethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1-Dichloroethene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Dichloromethane	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
trans-1,2-Dichloroethene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Methyl tert-butyl ether (MTBE)	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1-Dichloroethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
cis-1,2-Dichloroethene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromochloromethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chloroform	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
2,2-Dichloropropane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dichloroethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,1-Trichloroethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1-Dichloropropene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 1:25:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103122-04 **Matrix:** SOIL
Client Sample ID: BRN-069-S4@1'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Carbon tetrachloride	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Benzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Dibromomethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dichloropropane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Trichloroethene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromodichloromethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
cis-1,3-Dichloropropene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
trans-1,3-Dichloropropene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,2-Trichloroethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Toluene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,3-Dichloropropane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Dibromochloromethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dibromoethane (EDB)	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
Tetrachloroethene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,1,2-Tetrachloroethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chlorobenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Ethylbenzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
m,p-Xylene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromoform	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Styrene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
o-Xylene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,2,2-Tetrachloroethane	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,3-Trichloropropane	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
Isopropylbenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromobenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
n-Propylbenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
4-Chlorotoluene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
2-Chlorotoluene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,3,5-Trimethylbenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
tert-Butylbenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,4-Trimethylbenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
sec-Butylbenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,3-Dichlorobenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,4-Dichlorobenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
4-Isopropyltoluene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dichlorobenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
n-Butylbenzene	ND	80		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	480		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,4-Trichlorobenzene	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
Naphthalene	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
Hexachlorobutadiene	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,3-Trichlorobenzene	ND	320		µg/Kg	3/26/2021	VOCs by EPA 8260B
Surr: 1,2-Dichloroethane-d4	97	70-130		%Rec	3/26/2021	VOCs by EPA 8260B
Surr: Toluene-d8	104	70-130		%Rec	3/26/2021	VOCs by EPA 8260B
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	3/26/2021	VOCs by EPA 8260B

NOTES:

Reporting Limits were increased due to sample foaming.



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 1:35:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103122-05 **Matrix:** SOIL
Client Sample ID: BRN-069-S5@1'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Naphthalene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
2-Methylnaphthalene	2,700	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
1-Methylnaphthalene	2,000	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Acenaphthylene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Acenaphthene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Fluorene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Phenanthrene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Anthracene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Fluoranthene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Pyrene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(a)anthracene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Chrysene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(b&k)fluoranthene, isomeric pair	ND	1,000		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(a)pyrene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Indeno(1,2,3-cd)pyrene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Dibenz(a,h)anthracene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(g,h,i)perylene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Surr: 2-Fluorobiphenyl	99	52-130		%Rec	4/1/2021	PNAs by EPA 8270SIM
Surr: 4-Terphenyl-d14	92	54-158		%Rec	4/1/2021	PNAs by EPA 8270SIM
NOTES:						
Reporting Limits were increased due to the hydrocarbons present in the sample.						
TPH-E (DRO)	5,300	500	L	mg/Kg	3/24/2021	TPH-E by EPA 8015C
TPH-E (ORO)	13,000	1,000		mg/Kg	3/24/2021	TPH-E by EPA 8015C
Surr: Nonane	95	66-134		%Rec	3/24/2021	TPH-E by EPA 8015C
TPH-P (GRO)	93	10		mg/Kg	3/26/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	97	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	93	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chloromethane	ND	400		µg/Kg	3/26/2021	VOCs by EPA 8260B
Vinyl chloride	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chloroethane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromomethane	ND	400		µg/Kg	3/26/2021	VOCs by EPA 8260B
Trichlorofluoromethane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1-Dichloroethene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Dichloromethane	ND	400		µg/Kg	3/26/2021	VOCs by EPA 8260B
trans-1,2-Dichloroethene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Methyl tert-butyl ether (MTBE)	ND	50		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1-Dichloroethane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
cis-1,2-Dichloroethene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromochloromethane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chloroform	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
2,2-Dichloropropane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dichloroethane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,1-Trichloroethane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1-Dichloropropene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 1:35:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103122-05 **Matrix:** SOIL
Client Sample ID: BRN-069-S5@1'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Carbon tetrachloride	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Benzene	ND	50		µg/Kg	3/26/2021	VOCs by EPA 8260B
Dibromomethane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dichloropropane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Trichloroethene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromodichloromethane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
cis-1,3-Dichloropropene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
trans-1,3-Dichloropropene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,2-Trichloroethane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Toluene	ND	50		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,3-Dichloropropane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Dibromochloromethane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dibromoethane (EDB)	ND	400		µg/Kg	3/26/2021	VOCs by EPA 8260B
Tetrachloroethene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,1,2-Tetrachloroethane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chlorobenzene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Ethylbenzene	ND	50		µg/Kg	3/26/2021	VOCs by EPA 8260B
m,p-Xylene	ND	50		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromoform	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Styrene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
o-Xylene	ND	50		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,2,2-Tetrachloroethane	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,3-Trichloropropane	ND	400		µg/Kg	3/26/2021	VOCs by EPA 8260B
Isopropylbenzene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromobenzene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
n-Propylbenzene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
4-Chlorotoluene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
2-Chlorotoluene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,3,5-Trimethylbenzene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
tert-Butylbenzene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,4-Trimethylbenzene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
sec-Butylbenzene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,3-Dichlorobenzene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,4-Dichlorobenzene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
4-Isopropyltoluene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dichlorobenzene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
n-Butylbenzene	ND	100		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	600		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,4-Trichlorobenzene	ND	400		µg/Kg	3/26/2021	VOCs by EPA 8260B
Naphthalene	ND	400		µg/Kg	3/26/2021	VOCs by EPA 8260B
Hexachlorobutadiene	ND	400		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,3-Trichlorobenzene	ND	400		µg/Kg	3/26/2021	VOCs by EPA 8260B
Surr: 1,2-Dichloroethane-d4	97	70-130	%Rec		3/26/2021	VOCs by EPA 8260B
Surr: Toluene-d8	103	70-130	%Rec		3/26/2021	VOCs by EPA 8260B
Surr: 4-Bromofluorobenzene	93	70-130	%Rec		3/26/2021	VOCs by EPA 8260B

NOTES:

Reporting Limits were increased due to high concentrations of target analytes.



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 1:45:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103122-06 **Matrix:** SOIL
Client Sample ID: BRN-069-S6@1'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Naphthalene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
2-Methylnaphthalene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
1-Methylnaphthalene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Acenaphthylene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Acenaphthene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Fluorene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Phenanthrene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Anthracene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Fluoranthene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Pyrene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(a)anthracene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Chrysene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(b&k)fluoranthene, isomeric pair	ND	1,000		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(a)pyrene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Indeno(1,2,3-cd)pyrene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Dibenz(a,h)anthracene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(g,h,i)perylene	ND	500		µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Surr: 2-Fluorobiphenyl	88	52-130		%Rec	4/1/2021	PNAs by EPA 8270SIM
Surr: 4-Terphenyl-d14	116	54-158		%Rec	4/1/2021	PNAs by EPA 8270SIM
NOTES:						
Reporting Limits were increased due to the hydrocarbons present in the sample.						
TPH-E (DRO)	2,800	500	L	mg/Kg	3/24/2021	TPH-E by EPA 8015C
TPH-E (ORO)	10,000	1,000		mg/Kg	3/24/2021	TPH-E by EPA 8015C
Surr: Nonane	101	66-134		%Rec	3/24/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	10		mg/Kg	3/26/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	105	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	95	70-130		%Rec	3/26/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chloromethane	ND	160		µg/Kg	3/26/2021	VOCs by EPA 8260B
Vinyl chloride	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chloroethane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromomethane	ND	250		µg/Kg	3/26/2021	VOCs by EPA 8260B
Trichlorofluoromethane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1-Dichloroethene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Dichloromethane	ND	160		µg/Kg	3/26/2021	VOCs by EPA 8260B
trans-1,2-Dichloroethene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Methyl tert-butyl ether (MTBE)	ND	20		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1-Dichloroethane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
cis-1,2-Dichloroethene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromochloromethane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chloroform	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
2,2-Dichloropropane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dichloroethane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,1-Trichloroethane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1-Dichloropropene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/18/2021 1:45:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103122-06 **Matrix:** SOIL
Client Sample ID: BRN-069-S6@1'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Carbon tetrachloride	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Benzene	ND	20		µg/Kg	3/26/2021	VOCs by EPA 8260B
Dibromomethane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dichloropropane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Trichloroethene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromodichloromethane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
cis-1,3-Dichloropropene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
trans-1,3-Dichloropropene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,2-Trichloroethane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Toluene	ND	20		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,3-Dichloropropane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Dibromochloromethane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dibromoethane (EDB)	ND	160		µg/Kg	3/26/2021	VOCs by EPA 8260B
Tetrachloroethene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,1,2-Tetrachloroethane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Chlorobenzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Ethylbenzene	ND	20		µg/Kg	3/26/2021	VOCs by EPA 8260B
m,p-Xylene	ND	20		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromoform	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Styrene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
o-Xylene	ND	20		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,1,2,2-Tetrachloroethane	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,3-Trichloropropane	ND	160		µg/Kg	3/26/2021	VOCs by EPA 8260B
Isopropylbenzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
Bromobenzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
n-Propylbenzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
4-Chlorotoluene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
2-Chlorotoluene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,3,5-Trimethylbenzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
tert-Butylbenzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,4-Trimethylbenzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
sec-Butylbenzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,3-Dichlorobenzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,4-Dichlorobenzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
4-Isopropyltoluene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dichlorobenzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
n-Butylbenzene	ND	40		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	240		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,4-Trichlorobenzene	ND	160		µg/Kg	3/26/2021	VOCs by EPA 8260B
Naphthalene	ND	160		µg/Kg	3/26/2021	VOCs by EPA 8260B
Hexachlorobutadiene	ND	160		µg/Kg	3/26/2021	VOCs by EPA 8260B
1,2,3-Trichlorobenzene	ND	160		µg/Kg	3/26/2021	VOCs by EPA 8260B
Surr: 1,2-Dichloroethane-d4	96	70-130	%Rec		3/26/2021	VOCs by EPA 8260B
Surr: Toluene-d8	105	70-130	%Rec		3/26/2021	VOCs by EPA 8260B
Surr: 4-Bromofluorobenzene	95	70-130	%Rec		3/26/2021	VOCs by EPA 8260B

NOTES:

Some Reporting Limits were increased due to sample foaming.



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 2103122

02-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: PNA_SIM_S

Sample ID: MB-12660			SampType: MBLK			TestCode: PNA_SIM_S			Units: µg/Kg		
Client ID: PBS			Batch ID: 12660			TestNo: SW8270C			SW3550A		
Prep Date: 3/31/2021			RunNo: 11275			SeqNo: 317395					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	25									
2-Methylnaphthalene	ND	25									
1-Methylnaphthalene	ND	25									
Acenaphthylene	ND	25									
Acenaphthene	ND	25									
Fluorene	ND	25									
Phenanthrene	ND	25									
Anthracene	ND	25									
Fluoranthene	ND	25									
Pyrene	ND	25									
Benzo(a)anthracene	ND	25									
Chrysene	ND	25									
Benzo(b&k)fluoranthene, isomeric pair	ND	50									
Benzo(a)pyrene	ND	25									
Indeno(1,2,3-cd)pyrene	ND	25									
Dibenz(a,h)anthracene	ND	25									
Benzo(g,h,i)perylene	ND	25									
Surr: 2-Fluorobiphenyl	280		312.5		88.4	48.7	168				
Surr: 4-Terphenyl-d14	280		312.5		88.3	36.7	182				

Sample ID: LCSD-12660			SampType: LCSD			TestCode: PNA_SIM_S			Units: µg/Kg		
Client ID: LCSS02			Batch ID: 12660			TestNo: SW8270C			SW3550A		
Prep Date: 3/31/2021			RunNo: 11275			SeqNo: 317404					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	298	25	312.5	0	95.3	79.5	160	293	1.5	32	
2-Methylnaphthalene	292	25	312.5	0	93.3	61.6	155	296	1.5	33	
1-Methylnaphthalene	267	25	312.5	0	85.3	79.5	158	268	0.53	30	
Acenaphthylene	331	25	312.5	0	106	79.5	176	351	5.7	36	
Acenaphthene	306	25	312.5	0	97.8	79.5	167	304	0.7	32	
Fluorene	291	25	312.5	0	93.1	79.5	160	296	1.7	42	
Phenanthrene	252	25	312.5	0	80.7	61.8	150	229	9.7	33	
Anthracene	257	25	312.5	0	82.2	79.5	166	277	7.5	42	
Fluoranthene	299	25	312.5	0	95.6	78	158	309	3.2	40	
Pyrene	286	25	312.5	0	91.4	75	163	296	3.4	49	
Benzo(a)anthracene	218	25	312.5	0	69.7	22.8	178	232	6.1	43	
Chrysene	406	25	312.5	0	130	60.9	183	320	24	36	

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: PNA_SIM_S

Sample ID: LCSD-12660			SampType: LCSD			TestCode: PNA_SIM_S			Units: µg/Kg		
Client ID: LCSS02			Batch ID: 12660			TestNo: SW8270C			SW3550A		
Prep Date: 3/31/2021			RunNo: 11275			SeqNo: 317404					
Analysis Date: 4/1/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b&k)fluoranthene, isomeric pair	841	50	625	0	135	69.7	171	888	5.5	43	
Benzo(a)pyrene	193	25	312.5	0	61.7	55.2	163	233	19	34	
Indeno(1,2,3-cd)pyrene	297	25	312.5	0	95.0	59.5	151	328	10	45	
Dibenz(a,h)anthracene	280	25	312.5	0	89.5	41.5	159	312	11	47	
Benzo(g,h,i)perylene	300	25	312.5	0	95.9	72.8	160	312	4.1	50	
Surr: 2-Fluorobiphenyl	262		312.5		83.8	80	153	273	0	0	
Surr: 4-Terphenyl-d14	279		312.5		89.2	73.3	160	308	0	0	

Sample ID: LCS-12660			SampType: LCS			TestCode: PNA_SIM_S			Units: µg/Kg		
Client ID: LCSS			Batch ID: 12660			TestNo: SW8270C			SW3550A		
Prep Date: 3/31/2021			RunNo: 11275			SeqNo: 317403					
Analysis Date: 4/1/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	293	25	312.5	0	93.8	79.5	160				
2-Methylnaphthalene	296	25	312.5	0	94.8	61.6	155				
1-Methylnaphthalene	268	25	312.5	0	85.8	79.5	158				
Acenaphthylene	351	25	312.5	0	112	79.5	176				
Acenaphthene	304	25	312.5	0	97.2	79.5	167				
Fluorene	296	25	312.5	0	94.7	79.5	160				
Phenanthrene	229	25	312.5	0	73.3	61.8	150				
Anthracene	277	25	312.5	0	88.6	79.5	166				
Fluoranthene	309	25	312.5	0	98.7	78	158				
Pyrene	296	25	312.5	0	94.6	75	163				
Benzo(a)anthracene	232	25	312.5	0	74.1	22.8	178				
Chrysene	320	25	312.5	0	102	60.9	183				
Benzo(b&k)fluoranthene, isomeric pair	888	50	625	0	142	69.7	171				
Benzo(a)pyrene	233	25	312.5	0	74.4	55.2	163				
Indeno(1,2,3-cd)pyrene	328	25	312.5	0	105	59.5	151				
Dibenz(a,h)anthracene	312	25	312.5	0	99.7	41.5	159				
Benzo(g,h,i)perylene	312	25	312.5	0	99.9	72.8	160				
Surr: 2-Fluorobiphenyl	273		312.5		87.4	80	153				
Surr: 4-Terphenyl-d14	308		312.5		98.5	73.3	160				



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: TPH/E_S

Sample ID: MBLK-12604		SampType: MBLK		TestCode: TPH/E_S		Units: mg/Kg					
Client ID: PBS		Batch ID: 12604		TestNo: SW8015		SW8015					
Prep Date: 3/22/2021		RunNo: 11208		SeqNo: 315981							
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	ND	5									
TPH-E (ORO)	ND	10									
Surr: Nonane	5.8		6		97.2	66	134				

Sample ID: LCS-12604		SampType: LCS		TestCode: TPH/E_S		Units: mg/Kg					
Client ID: LCSS		Batch ID: 12604		TestNo: SW8015		SW8015					
Prep Date: 3/22/2021		RunNo: 11208		SeqNo: 315982							
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	106	5	100	0	106	79.4	120.49				
Surr: Nonane	5.59		6		93.1	78	138				

Sample ID: 2103112-02AMSD		SampType: MSD		TestCode: TPH/E_S		Units: mg/Kg					
Client ID: BatchQC		Batch ID: 12604		TestNo: SW8015		SW8015					
Prep Date: 3/22/2021		RunNo: 11208		SeqNo: 315985							
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	111	5	100	4.58	106	59.8	136	109	2	37.9	
Surr: Nonane	5.72		6		95.3	63	134	5.65	0	0	

Sample ID: 2103112-02AMS		SampType: MS		TestCode: TPH/E_S		Units: mg/Kg					
Client ID: BatchQC		Batch ID: 12604		TestNo: SW8015		SW8015					
Prep Date: 3/22/2021		RunNo: 11208		SeqNo: 315984							
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	109	5	100	4.58	104	59.8	136				
Surr: Nonane	5.65		6		94.1	63	134				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 2103122

02-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: TPH/P_S

Sample ID: MB-12592		SampType: MBLK			TestCode: TPH/P_S			Units: mg/Kg			
Client ID: PBS		Batch ID: A12592B			TestNo: SW8015						
Prep Date: 3/24/2021		RunNo: 11201			SeqNo: 315960						
Analysis Date: 3/24/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	ND	1									
Surr: 1,2-Dichloroethane-d4	0.19		0.2		94.2	69.51	130.49				
Surr: Toluene-d8	0.2		0.2		99.5	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.21		0.2		105	69.51	130.49				

Sample ID: GLCS-12592		SampType: GLCS			TestCode: TPH/P_S			Units: mg/Kg			
Client ID: BatchQC		Batch ID: A12592B			TestNo: SW8015						
Prep Date: 3/23/2021		RunNo: 11201			SeqNo: 315840						
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	18.9	2	16	0	118	64.64	146.49				
Surr: 1,2-Dichloroethane-d4	0.386		0.4		96.5	69.51	130.49				
Surr: Toluene-d8	0.407		0.4		102	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.393		0.4		98.2	69.51	130.49				

Sample ID: 2103128-04AGSD		SampType: GSD			TestCode: TPH/P_S			Units: mg/Kg			
Client ID: BatchQC		Batch ID: A12592B			TestNo: SW8015						
Prep Date: 3/19/2021		RunNo: 11201			SeqNo: 315961						
Analysis Date: 3/24/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	36.1	2	16	0	226	57.6	179	25.1	36	19.4	RS
Surr: 1,2-Dichloroethane-d4	0.379		0.4		94.8	69.51	130.49	0.373	0	0	
Surr: Toluene-d8	0.4		0.4		100	69.51	130.49	0.409	0	0	
Surr: 4-Bromofluorobenzene	0.464		0.4		116	69.51	130.49	0.422	0	0	

NOTES:

Matrix spike recovery was above the laboratory acceptance limits and is likely due to sample non-homogeneity.

Sample ID: 2103128-04AGS		SampType: GS			TestCode: TPH/P_S			Units: mg/Kg			
Client ID: BatchQC		Batch ID: A12592B			TestNo: SW8015						
Prep Date: 3/23/2021		RunNo: 11201			SeqNo: 315831						
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	25.1	2	16	0	157	57.6	179				
Surr: 1,2-Dichloroethane-d4	0.373		0.4		93.3	69.51	130.49				
Surr: Toluene-d8	0.409		0.4		102	69.51	130.49				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 2103122

02-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: TPH/P_S

Sample ID: 2103128-04AGS	SampType: GS	TestCode: TPH/P_S	Units: mg/Kg								
Client ID: BatchQC	Batch ID: A12592B	TestNo: SW8015									
Prep Date: 3/23/2021	RunNo: 11201	SeqNo: 315831									
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surrogate: 4-Bromofluorobenzene	0.422		0.4		105	69.51	130.49				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 2103122
02-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_S

Sample ID: MB-12592		SampType: MBLK		TestCode: VOC_S		Units: µg/Kg					
Client ID: PBS		Batch ID: A12592		TestNo: SW8260C							
Prep Date: 3/24/2021		RunNo: 11201		SeqNo: 315959							
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	20									
Chloromethane	ND	40									
Vinyl chloride	ND	20									
Chloroethane	ND	20									
Bromomethane	ND	40									
Trichlorofluoromethane	ND	20									
1,1-Dichloroethene	ND	20									
Dichloromethane	ND	40									
trans-1,2-Dichloroethene	ND	20									
Methyl tert-butyl ether (MTBE)	ND	5									
1,1-Dichloroethane	ND	20									
cis-1,2-Dichloroethene	ND	20									
Bromochloromethane	ND	20									
Chloroform	ND	20									
2,2-Dichloropropane	ND	20									
1,2-Dichloroethane	ND	20									
1,1,1-Trichloroethane	ND	20									
1,1-Dichloropropene	ND	20									
Carbon tetrachloride	ND	20									
Benzene	ND	5									
Dibromomethane	ND	20									
1,2-Dichloropropane	ND	20									
Trichloroethene	ND	20									
Bromodichloromethane	ND	20									
cis-1,3-Dichloropropene	ND	20									
trans-1,3-Dichloropropene	ND	20									
1,1,2-Trichloroethane	ND	20									
Toluene	ND	5									
1,3-Dichloropropane	ND	20									
Dibromochloromethane	ND	20									
1,2-Dibromoethane (EDB)	ND	40									
Tetrachloroethene	ND	20									
1,1,1,2-Tetrachloroethane	ND	20									
Chlorobenzene	ND	20									
Ethylbenzene	ND	5									
m,p-Xylene	ND	5									
Bromoform	ND	20									
Styrene	ND	20									
o-Xylene	ND	5									
1,1,2,2-Tetrachloroethane	ND	20									

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



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QC SUMMARY REPORT

WO#: 2103122
02-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_S

Sample ID: MBLK-12592			SampType: MBLK			TestCode: VOC_S			Units: µg/Kg		
Client ID: PBS			Batch ID: A12592			TestNo: SW8260C					
Prep Date: 3/24/2021			RunNo: 11201			SeqNo: 315959					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	40									
Isopropylbenzene	ND	20									
Bromobenzene	ND	20									
n-Propylbenzene	ND	20									
4-Chlorotoluene	ND	20									
2-Chlorotoluene	ND	20									
1,3,5-Trimethylbenzene	ND	20									
tert-Butylbenzene	ND	20									
1,2,4-Trimethylbenzene	ND	20									
sec-Butylbenzene	ND	20									
1,3-Dichlorobenzene	ND	20									
1,4-Dichlorobenzene	ND	20									
4-Isopropyltoluene	ND	20									
1,2-Dichlorobenzene	ND	20									
n-Butylbenzene	ND	20									
1,2-Dibromo-3-chloropropane (DBCP)	ND	60									
1,2,4-Trichlorobenzene	ND	40									
Naphthalene	ND	40									
Hexachlorobutadiene	ND	40									
1,2,3-Trichlorobenzene	ND	40									
Surr: 1,2-Dichloroethane-d4	190		200		94.2	69.51	130.49				
Surr: Toluene-d8	200		200		99.5	69.51	130.49				
Surr: 4-Bromofluorobenzene	210		200		105	69.51	130.49				

Sample ID: LCSD-12592			SampType: LCSD			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS02			Batch ID: A12592			TestNo: SW8260C					
Prep Date: 3/23/2021			RunNo: 11201			SeqNo: 315827					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	505	40	400	0	126	5.79	172	259	64	42.9	R
Chloromethane	468	80	400	0	117	5.73	179	300	44	32.1	R
Vinyl chloride	439	40	400	0	110	37.8	194	307	35	55.8	
Chloroethane	104	40	400	0	26.0	13.4	120.4	89.3	15	33.6	
Bromomethane	258	80	400	0	64.5	7.97	129	208	21	7	R
Trichlorofluoromethane	169	40	400	0	42.3	2.11	120.4	138	20	35.9	
1,1-Dichloroethene	475	40	400	0	119	31.3	154	388	20	38.2	
Dichloromethane	440	80	400	0	110	45.9	180	386	13	71.2	
trans-1,2-Dichloroethene	470	40	400	0	118	52.1	140	382	21	42.1	

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_S

Sample ID: LCSD-12592			SampType: LCSD			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS02			Batch ID: A12592			TestNo: SW8260C					
Prep Date: 3/23/2021			RunNo: 11201			SeqNo: 315827					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	468	10	400	0	117	34.9	139	401	15	38.6	
1,1-Dichloroethane	426	40	400	0	106	53.8	140	359	17	44.2	
cis-1,2-Dichloroethene	441	40	400	0	110	54.6	133	378	16	44.8	
Bromochloromethane	452	40	400	0	113	56.5	138	396	13	41.9	
Chloroform	445	40	400	0	111	53.3	126	381	15	43.7	
2,2-Dichloropropane	326	40	400	0	81.5	20.9	147	280	15	36.4	
1,2-Dichloroethane	431	40	400	0	108	56.8	132	373	14	45.7	
1,1,1-Trichloroethane	474	40	400	0	118	44.1	133	405	16	36.3	
1,1-Dichloropropene	461	40	400	0	115	55	141	383	19	43.5	
Carbon tetrachloride	460	40	400	0	115	20	133	396	15	23.8	
Benzene	430	10	400	0	107	59.1	135	359	18	44.9	
Dibromomethane	449	40	400	0	112	54.7	128	377	17	44	
1,2-Dichloropropane	416	40	400	0	104	59	134	360	14	44.2	
Trichloroethene	440	40	400	0	110	54.8	136	367	18	41.7	
Bromodichloromethane	402	40	400	0	100	31.5	128	345	15	32.5	
cis-1,3-Dichloropropene	429	40	400	0	107	32.8	133	357	19	32	
trans-1,3-Dichloropropene	421	40	400	0	105	31.8	134	360	16	31.5	
1,1,2-Trichloroethane	407	40	400	0	102	61.2	141	364	11	42.6	
Toluene	407	10	400	0	102	45.6	133	343	17	43.3	
1,3-Dichloropropene	392	40	400	0	97.9	57.2	132	336	15	38.8	
Dibromochloromethane	409	40	400	0	102	30	133	341	18	21.8	
1,2-Dibromoethane (EDB)	873	80	800	0	109	55.6	130	731	18	33.8	
Tetrachloroethene	453	40	400	0	113	36.1	139	384	17	43.1	
1,1,1,2-Tetrachloroethane	448	40	400	0	112	44.5	135	378	17	31.8	
Chlorobenzene	436	40	400	0	109	56.4	134	366	18	39.2	
Ethylbenzene	442	10	400	0	110	50.1	135	374	17	42.7	
m,p-Xylene	439	10	400	0	110	54.1	137	375	16	39.1	
Bromoform	392	40	400	0	97.9	35.5	136	338	15	25.4	
Styrene	431	40	400	0	108	63.2	141	367	16	37.6	
o-Xylene	441	10	400	0	110	59.3	134	374	17	41.6	
1,1,2,2-Tetrachloroethane	407	40	400	0	102	36.7	184	369	9.8	36.9	
1,2,3-Trichloropropane	786	80	800	0	98.3	45.7	188	689	13	38.9	
Isopropylbenzene	480	40	400	0	120	44.5	129	407	16	45.2	
Bromobenzene	459	40	400	0	115	47.7	127	382	18	42.7	
n-Propylbenzene	479	40	400	0	120	50.5	129	402	17	43.5	
4-Chlorotoluene	449	40	400	0	112	31.1	149	367	20	348	
2-Chlorotoluene	449	40	400	0	112	52.3	128	379	17	47.6	
1,3,5-Trimethylbenzene	491	40	400	0	123	52.2	132	418	16	44.4	
tert-Butylbenzene	486	40	400	0	121	53.9	129	415	16	43.7	
1,2,4-Trimethylbenzene	485	40	400	0	121	55.6	132	410	17	43.8	

- Qualifiers:** B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_S

Sample ID: LCSD-12592			SampType: LCSD			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS02			Batch ID: A12592			TestNo: SW8260C					
Prep Date: 3/23/2021			RunNo: 11201			SeqNo: 315827					
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	465	40	400	0	116	56.7	129	395	16	45.9	
1,3-Dichlorobenzene	445	40	400	0	111	55.9	130	382	15	42.8	
1,4-Dichlorobenzene	447	40	400	0	112	52.6	132	376	17	44.7	
4-Isopropyltoluene	491	40	400	0	123	57.5	132	407	19	41.7	
1,2-Dichlorobenzene	415	40	400	0	104	56.6	127	352	17	41.7	
n-Butylbenzene	483	40	400	0	121	59.3	133	404	18	43.2	
1,2-Dibromo-3-chloropropane (DBCP)	2060	120	2000	0	103	33.1	132	1700	19	27.3	
1,2,4-Trichlorobenzene	455	80	400	0	114	41.5	146	356	24	36	
Naphthalene	397	80	400	0	99.3	19.3	164	335	17	37.7	
Hexachlorobutadiene	908	80	800	0	114	44.6	142	727	22	42.7	
1,2,3-Trichlorobenzene	410	80	400	0	103	21.8	160	321	24	61.4	
Surr: 1,2-Dichloroethane-d4	408		400		102	69.51	130.4	372	0	0	
Surr: Toluene-d8	396		400		99.0	69.51	130.4	387	0	0	
Surr: 4-Bromofluorobenzene	416		400		104	69.51	130.4	411	0	0	

Sample ID: LCS-12592			SampType: LCS			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS			Batch ID: A12592			TestNo: SW8260C					
Prep Date: 3/23/2021			RunNo: 11201			SeqNo: 315826					
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	259	40	400	0	64.7	5.79	172				
Chloromethane	300	80	400	0	75.0	5.73	179				
Vinyl chloride	307	40	400	0	76.8	37.8	194				
Chloroethane	89.3	40	400	0	22.3	13.4	120.4				
Bromomethane	208	80	400	0	52.0	7.97	129				
Trichlorofluoromethane	138	40	400	0	34.5	2.11	120.4				
1,1-Dichloroethene	388	40	400	0	97.0	31.3	154				
Dichloromethane	386	80	400	0	96.4	45.9	180				
trans-1,2-Dichloroethene	382	40	400	0	95.6	52.1	140				
Methyl tert-butyl ether (MTBE)	401	10	400	0	100	34.9	139				
1,1-Dichloroethane	359	40	400	0	89.8	53.8	140				
cis-1,2-Dichloroethene	378	40	400	0	94.4	54.6	133				
Bromochloromethane	396	40	400	0	99.0	56.5	138				
Chloroform	381	40	400	0	95.3	53.3	126				
2,2-Dichloropropane	280	40	400	0	69.9	20.9	147				
1,2-Dichloroethane	373	40	400	0	93.3	56.8	132				
1,1,1-Trichloroethane	405	40	400	0	101	44.1	133				
1,1-Dichloropropene	383	40	400	0	95.6	55	141				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_S

Sample ID: LCS-12592			SampType: LCS			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS			Batch ID: A12592			TestNo: SW8260C					
Prep Date: 3/23/2021			RunNo: 11201			SeqNo: 315826					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	396	40	400	0	99.0	20	133				
Benzene	359	10	400	0	89.8	59.1	135				
Dibromomethane	377	40	400	0	94.3	54.7	128				
1,2-Dichloropropane	360	40	400	0	90.0	59	134				
Trichloroethene	367	40	400	0	91.7	54.8	136				
Bromodichloromethane	345	40	400	0	86.2	31.5	128				
cis-1,3-Dichloropropene	357	40	400	0	89.1	32.8	133				
trans-1,3-Dichloropropene	360	40	400	0	90.0	31.8	134				
1,1,2-Trichloroethane	364	40	400	0	91.1	61.2	141				
Toluene	343	10	400	0	85.8	45.6	133				
1,3-Dichloropropane	336	40	400	0	84.0	57.2	132				
Dibromochloromethane	341	40	400	0	85.4	30	133				
1,2-Dibromoethane (EDB)	731	80	800	0	91.3	55.6	130				
Tetrachloroethene	384	40	400	0	95.9	36.1	139				
1,1,1,2-Tetrachloroethane	378	40	400	0	94.6	44.5	135				
Chlorobenzene	366	40	400	0	91.4	56.4	134				
Ethylbenzene	374	10	400	0	93.5	50.1	135				
m,p-Xylene	375	10	400	0	93.7	54.1	137				
Bromoform	338	40	400	0	84.6	35.5	136				
Styrene	367	40	400	0	91.7	63.2	141				
o-Xylene	374	10	400	0	93.4	59.3	134				
1,1,2,2-Tetrachloroethane	369	40	400	0	92.4	36.7	184				
1,2,3-Trichloropropane	689	80	800	0	86.1	45.7	188				
Isopropylbenzene	407	40	400	0	102	44.5	129				
Bromobenzene	382	40	400	0	95.4	47.7	127				
n-Propylbenzene	402	40	400	0	101	50.5	129				
4-Chlorotoluene	367	40	400	0	91.8	31.1	149				
2-Chlorotoluene	379	40	400	0	94.8	52.3	128				
1,3,5-Trimethylbenzene	418	40	400	0	104	52.2	132				
tert-Butylbenzene	415	40	400	0	104	53.9	129				
1,2,4-Trimethylbenzene	410	40	400	0	102	55.6	132				
sec-Butylbenzene	395	40	400	0	98.7	56.7	129				
1,3-Dichlorobenzene	382	40	400	0	95.4	55.9	130				
1,4-Dichlorobenzene	376	40	400	0	93.9	52.6	132				
4-Isopropyltoluene	407	40	400	0	102	57.5	132				
1,2-Dichlorobenzene	352	40	400	0	87.9	56.6	127				
n-Butylbenzene	404	40	400	0	101	59.3	133				
1,2-Dibromo-3-chloropropane (DBCP)	1700	120	2000	0	85.1	33.1	132				
1,2,4-Trichlorobenzene	356	80	400	0	89.0	41.5	146				
Naphthalene	335	80	400	0	83.6	19.3	164				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



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QC SUMMARY REPORT

WO#: 2103122
02-Apr-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_S

Sample ID: LCS-12592			SampType: LCS			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS			Batch ID: A12592			TestNo: SW8260C					
Prep Date: 3/23/2021			RunNo: 11201			SeqNo: 315826					
Analysis Date: 3/23/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	727	80	800	0	90.8	44.6	142				
1,2,3-Trichlorobenzene	321	80	400	0	80.2	21.8	160				
Surr: 1,2-Dichloroethane-d4	372		400		93.0	69.51	130.4				
Surr: Toluene-d8	387		400		96.7	69.51	130.4				
Surr: 4-Bromofluorobenzene	411		400		103	69.51	130.4				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



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Definition Only

WO#: 2103122
Date: 4/2/2021

Definitions:

ND = Not Detected

C = Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.

D = Reporting Limits were increased due to high concentrations of non-target analytes.

H = Reporting Limits were increased due to the hydrocarbons present in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

K = DRO concentration may include contributions from lighter-end hydrocarbons (e.g. gasoline) that elute in the DRO range.

L = DRO concentration may include contributions from heavier-end hydrocarbons (e.g. motor oil) that elute in the DRO range.

O = Reporting Limits were increased due to sample foaming.

V = Reporting Limits were increased due to high concentrations of target analytes.

X = Reporting Limits were increased due to sample matrix interferences.

Z = DRO concentration may include contributions from lighter-end (e.g. gasoline) and heavier-end (e.g. motor oil) hydrocarbons that elute in the DRO range.

S50 = The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The laboratory control sample was acceptable.

S51 = Surrogate recovery could not be determined due to the presence of co-eluting hydrocarbons.

S52 = Surrogate recovery was above laboratory acceptance limits. Probable matrix effect.

S53 = Surrogate recovery was below laboratory acceptance limits. Probable matrix effect.

S54 = Surrogate recovery was below laboratory acceptance limits.

S55 = Surrogate recovery was above laboratory acceptance limits.

Report CC's Caitlin Jelle
Kyndra Washell

WORKORDER SUMMARY

Alpha Analytical, Inc.
255 Glendale Ave, #21 Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406

AMENDED RUSH
NV
WorkOrder: MGA2103122
Report Due By: 26-Mar-21 4/2/21
EDD Required: YES

Report Attention: Caitlin Jelle

Client:

McGinley & Associates, Inc.
5410 Longley Lane
Reno, NV 89511

TEL: 7758292245
FAX: 7758292213
ProjectNo: BRN-069/APN-012-302-16

Date Received: 19-Mar-21

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles			Requested Tests							Sample Remarks
				Alpha	Sub	TAT	PNA_SIM_S	TPH/E_S	TPH/P_S	VOC_S				
MGA2103122-01	BRN-069-S1@1'	SO	3/18/2021 12:50:00 PM	1	0	5		A - TPH/E_N	A - GAS-N					
MGA2103122-02	BRN-069-S2@1'	SO	3/18/2021 1:00:00 PM	1	0	5		A - TPH/E_N	A - GAS-N					
MGA2103122-03	BRN-069-S3@1'	SO	3/18/2021 1:10:00 PM	1	0	5	A - SIM	A - TPH/E_N	A - GAS-N	A - 8260/M_N				
MGA2103122-04	BRN-069-S4@1'	SO	3/18/2021 1:25:00 PM	1	0	5	A - SIM	A - TPH/E_N	A - GAS-N	A - 8260/M_N				
MGA2103122-05	BRN-069-S5@1'	SO	3/18/2021 1:35:00 PM	1	0	5	A - SIM	A - TPH/E_N	A - GAS-N	A - 8260/M_N				
MGA2103122-06	BRN-069-S6@1'	SO	3/18/2021 1:45:00 PM	1	0	5	A - SIM	A - TPH/E_N	A - GAS-N	A - 8260/M_N				

Comments: Amended 3/31/21 to add VOC and PNA SIM on a 48 HR TAT to samples 03, 04, 05 and 06, per email from Anna. OK to analyze outside holding time.TB

Logged in by:	Signature	Print Name	Company	Date/Time
		Tammy Brace	Alpha Analytical, Inc.	3/30/21 9:50

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other Page 24 of 26

Report CC's Caitlin Jelle
Kyndra Washell

WORKORDER SUMMARY

NV

WorkOrder: MGA2103122
Report Due By: 26-Mar-21
EDD Required: YES

Alpha Analytical, Inc.
255 Glendale Ave, #21 Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406

Report Attention: Caitlin Jelle

Client:

McGinley & Associates, Inc.
5410 Longley Lane
Reno, NV 89511

TEL: 7758292245
FAX: 7758292213
ProjectNo: BRN-069/APN-012-302-16

Date Received: 19-Mar-21

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles			Requested Tests							Sample Remarks
				Alpha	Sub	TAT	TPH/E_S	TPH/P_S						
MGA2103122-01	BRN-069-S1@1'	SO	3/18/2021 12:50:00 PM	1	0	5	A - TPH/E_N	A - GAS-N						
MGA2103122-02	BRN-069-S2@1'	SO	3/18/2021 1:00:00 PM	1	0	5	A - TPH/E_N	A - GAS-N						
MGA2103122-03	BRN-069-S3@1'	SO	3/18/2021 1:10:00 PM	1	0	5	A - TPH/E_N	A - GAS-N						
MGA2103122-04	BRN-069-S4@1'	SO	3/18/2021 1:25:00 PM	1	0	5	A - TPH/E_N	A - GAS-N						
MGA2103122-05	BRN-069-S5@1'	SO	3/18/2021 1:35:00 PM	1	0	5	A - TPH/E_N	A - GAS-N						
MGA2103122-06	BRN-069-S6@1'	SO	3/18/2021 1:45:00 PM	1	0	5	A - TPH/E_N	A - GAS-N						

Comments:

Logged in by:	Signature	Print Name	Company	Date/Time
			Alpha Analytical, Inc.	3/18/21 11:29

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

CHAIN OF CUSTODY

06649

Billing Information:
 Company: Mc Guirey
 Attn:
 Address:
 City, State, Zip:
 Phone Number: _____ Fax: _____



Alpha Analytical, Inc.
 Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431
 Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827
 Northern NV: 350 7th St., Elko, NV 89801

Phone: 775-355-1044
 Fax: 775-355-0406
 Phone: 916-366-8089
 Phone: 775-388-7043

Page # 1 of 1

Consultant/ Client Info:			Job and Purchase Order Info:			Report Attention/Project Manager:			QC Deliverable Info:				
Company: <u>Mc Guirey</u>	Job # <u>BRN-069</u>		Name: <u>C. Jellis</u>			EDD Required? Yes / No	EDF Required? Yes / No						
Address:	Job Name: <u>APN-012-302-16</u>		Email Address:			Global ID:							
City, State, Zip:	P.O. #:		Phone #:			Data Validation Packages:	III or IV						
Samples Collected from which State? (circle one) AR CA KS NV OR WA Other			Analysis Requested									Remarks	
Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers* (See Key Below)	Analysis Requested						Remarks
							Field Filtered?	Yes	No	TPH-P4-E			
1250	3/18	SG	MGA/10312201	BRN-069-S1@1'	5	15	X	X					
1300	"	"	-02	BRN-069-S2@1'	"	"	X	X					
1310	"	"	-03	BRN-069-S3@1'	"	"	X	X					
1325	"	"	-04	BRN-069-S4@1'	"	"	X	X					
1335	"	"	-05	BRN-069-S5@1'	"	"	X	X					
1345	"	"	-06	BRN-069-S6@1'	"	"	X	X					

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: Douglas Parcells

Relinquished by: (Signature/Affiliation): <u>DJ - P - 16 -</u>	Date: <u>3/19/12</u>	Time: <u>10:40</u>	Received by: (Signature/Affiliation): <u>Steph Vass</u>	Date: <u>3/19/12</u>	Time: <u>10:40</u>
Relinquished by: (Signature/Affiliation):	Date: <u></u>	Time: <u></u>	Received by: (Signature/Affiliation):	Date: <u></u>	Time: <u></u>
Relinquished by: (Signature/Affiliation):	Date: <u></u>	Time: <u></u>	Received by: (Signature/Affiliation):	Date: <u></u>	Time: <u></u>

* Key: AQ - Aqueous AR-Air OT - Other So-Soil WA - Waste ** B - Brass L - Liter O - Orbo OT - Other P - Plastic S-Soil Jar T - Tedlar V - VOA

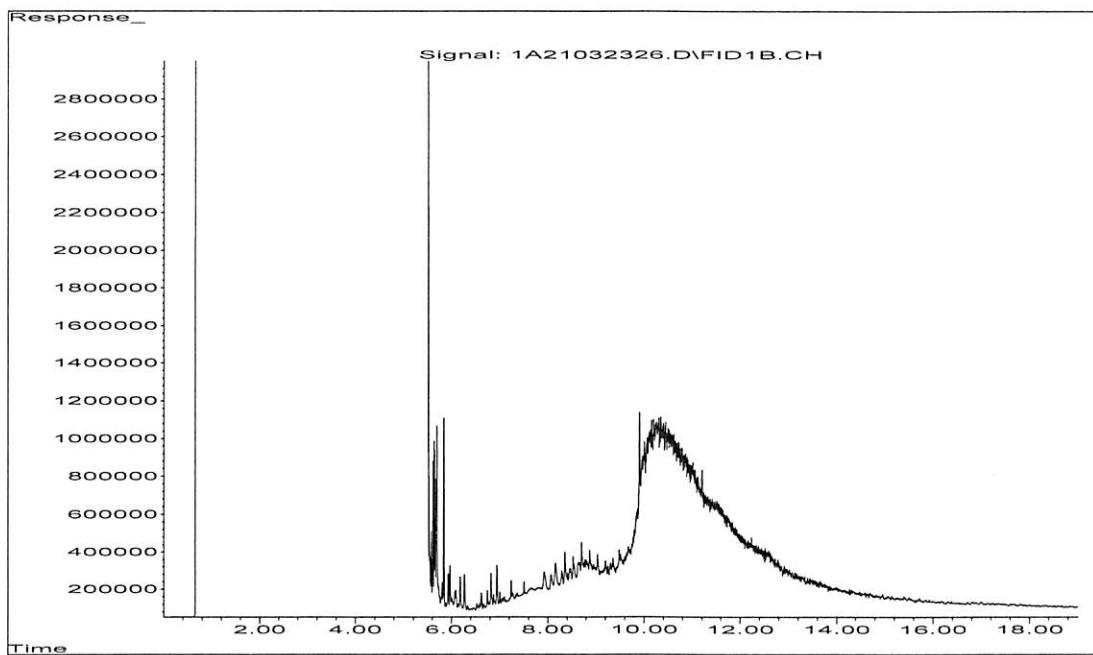
NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Sample Name: MGA2103122-01
 Instrument Name: FID01
 Misc Info: SOIL x 50.0
 Sample Multiplier: 100
 Data File Name: 1A21032326.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/24/21 03:31
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 26

Result 7
 Peer/QAQC
 Report W3/26/21
 Final JG 3-26-21

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	6.27	2824127	5.2833	ppm	
	Spiked Amt	6.00	%Recovery	88.05		
2)	TPH-E (GRO)	7.50	72314531.95	138.76	ppm	
3)	TPH-E (JFRO)	7.50	225069845.6	431.874	ppm	
4)	TPH-E (DRO)	9.00	203963190.8	391.373	ppm	L
5)	TPH-E (ORO)	11.00	1368365459	3224.107	ppm	
6)	TPH (Extractable)	7.50	1591570987	3053.98	ppm	

	RL (SOIL)			RL(WATER)		
	NV	CA	OR	NV	CA	OR
JFRO	10	5	25	0.5	0.05	0.25
DRO	250	10	5	25	0.5	0.05
ORO	500	10	10	100	0.5	0.5

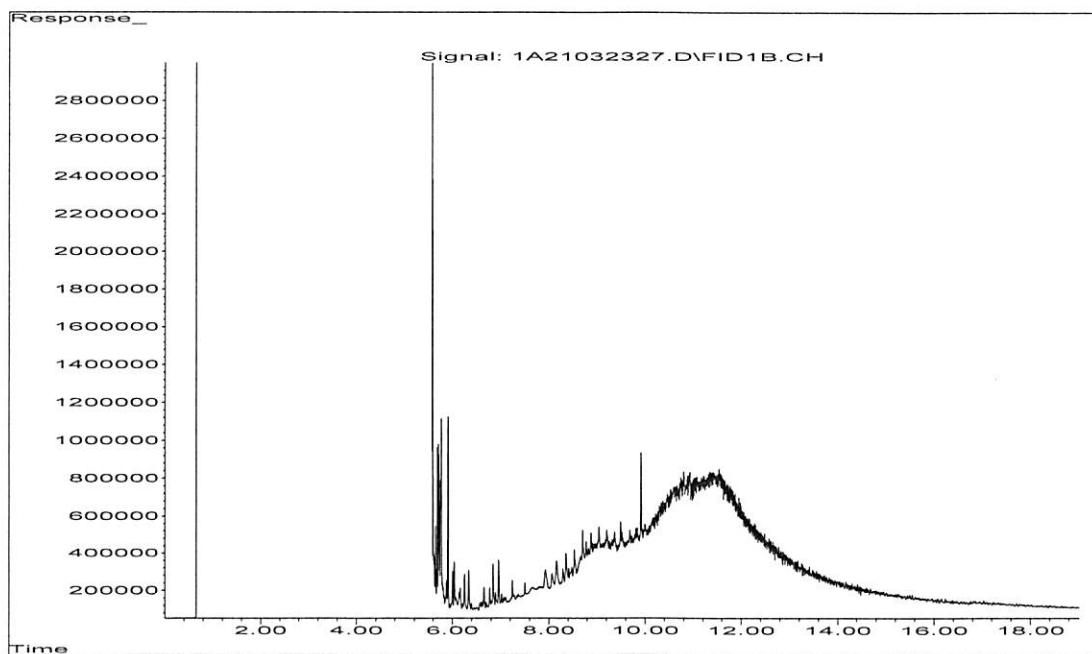


Sample Name: MGA2103122-02
 Instrument Name: FID01
 Misc Info: SOIL x 50.0
 Sample Multiplier: 100
 Data File Name: 1A21032327.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/24/21 03:57
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 27

Result Z
 Peer/QAQC _____
 Report BK
 Final JG

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	6.34	2876885.125	5.3820	ppm	
	Spiked Amt	6.00	%Recovery	89.70		
2)	TPH-E (GRO)	7.50	73956273.13	141.91	ppm	
3)	TPH-E (JFRO)	7.50	289479932.3	555.467	ppm	
4)	TPH-E (DRO)	9.00	268131011.5	514.501	ppm	L
5)	TPH-E (ORO)	11.00	1343745171	3166.097	ppm	
6)	TPH (Extractable)	7.50	1628206180	3124.27	ppm	

	RL (SOIL)			RL(WATER)		
	NV	CA	OR	NV	CA	OR
JFRO	10	5	25	0.5	0.05	0.25
DRO	250	10	5	25	0.5	0.05
ORO	500	10	10	100	0.5	0.5

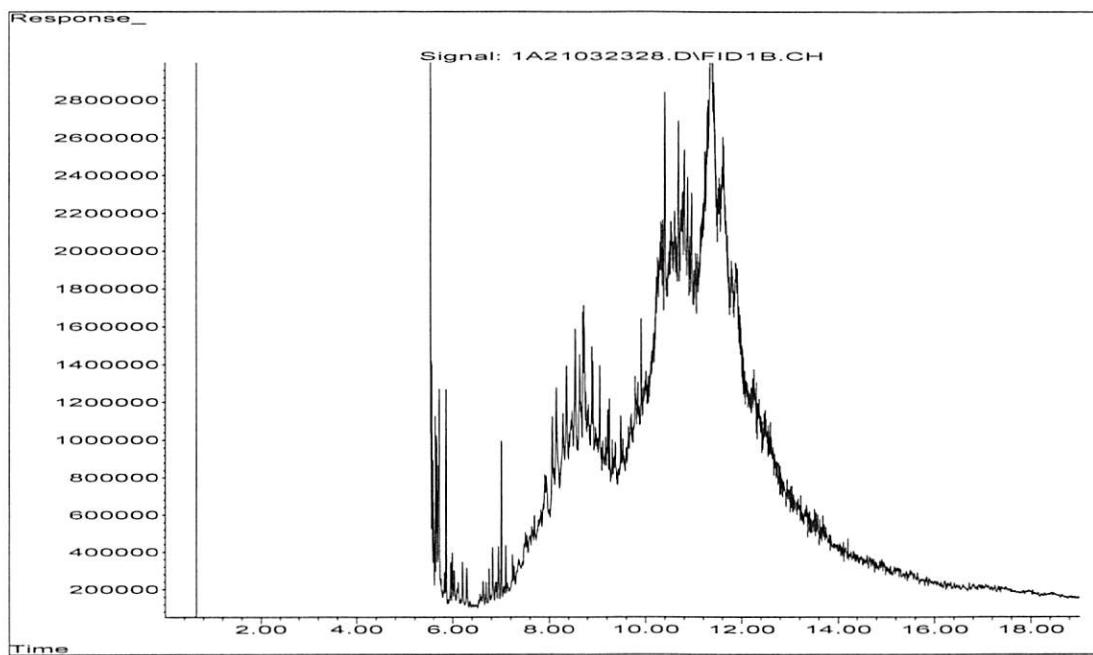


Sample Name: MGA2103122-03
 Instrument Name: FID01
 Misc Info: SOIL x 50.0
 Sample Multiplier: 100
 Data File Name: 1A21032328.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/24/21 04:24
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 28

Result Z
 Peer/QAQC _____
 Report PK
 Final JL

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	6.29	3117471.5	5.8320	ppm	
	Spiked Amt	6.00	%Recovery	97.20		
2)	TPH-E (GRO)	7.50	267576236.5	513.44	ppm	
3)	TPH-E (JFRO)	7.50	967213771.6	1855.932	ppm	
4)	TPH-E (DRO)	9.00	885111685.8	1698.391	ppm	L
5)	TPH-E (ORO)	11.00	3808235651	8972.866	ppm	
6)	TPH (Extractable)	7.50	4759684036	9133.09	ppm	

	RL (SOIL)			RL(WATER)		
	NV	CA	OR	NV	CA	OR
JFRO	10	5	25	0.5	0.05	0.25
DRO	250	10	5	25	0.5	0.05
ORO	500	10	10	100	0.5	0.5

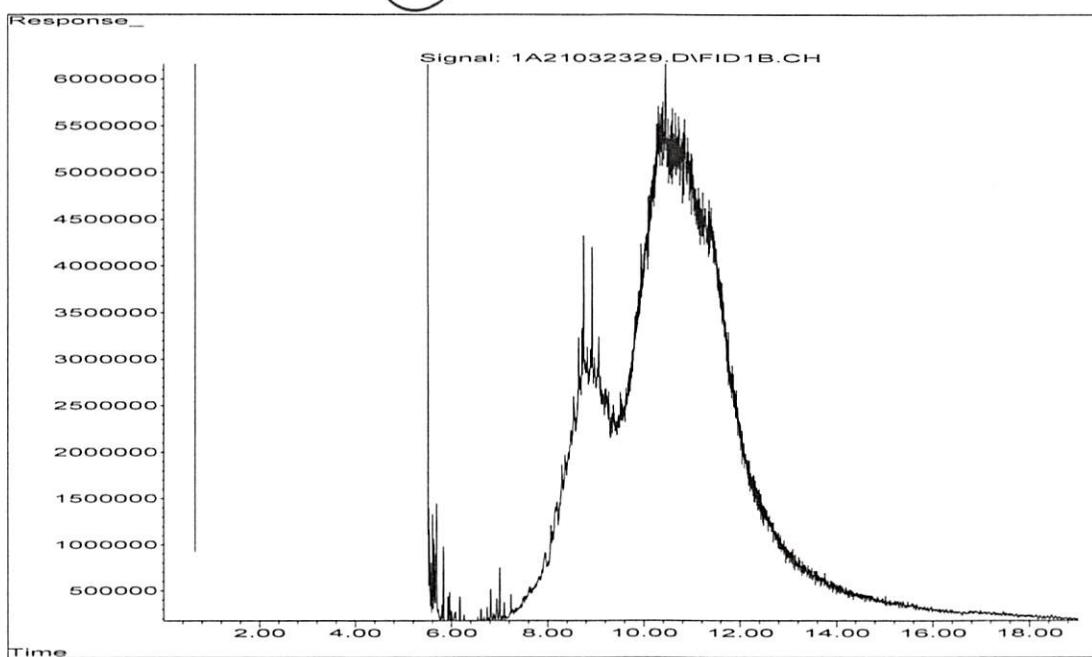


Sample Name: MGA2103122-04
 Instrument Name: FID01
 Misc Info: SOIL x 100
 Sample Multiplier: 200
 Data File Name: 1A21032329.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/24/21 04:51
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 29

Result Z
 Peer/QAQC _____
 Report EK
 Final JG

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	6.27	1568863.25	5.8699	ppm	
	Spiked Amt	6.00	%Recovery	97.83		
2)	TPH-E (GRO)	7.50	294601811.6	1130.59	ppm	
3)	TPH-E (JFRO)	7.50	2148341723	8244.662	ppm	
4)	TPH-E (DRO)	9.00	2064025574	7921.083	ppm	L
5)	TPH-E (ORO)	11.00	7734658396	36448.402	ppm	
6)	TPH (Extractable)	7.50	9824345218	37702.76	ppm	

	RL (SOIL)			RL(WATER)		
	NV	CA	OR	NV	CA	OR
JFRO	10	5	25	0.5	0.05	0.25
DRO <i>500</i>	10	5	25	0.5	0.05	0.25
ORO <i>100</i>	10	10	100	0.5	0.5	0.5

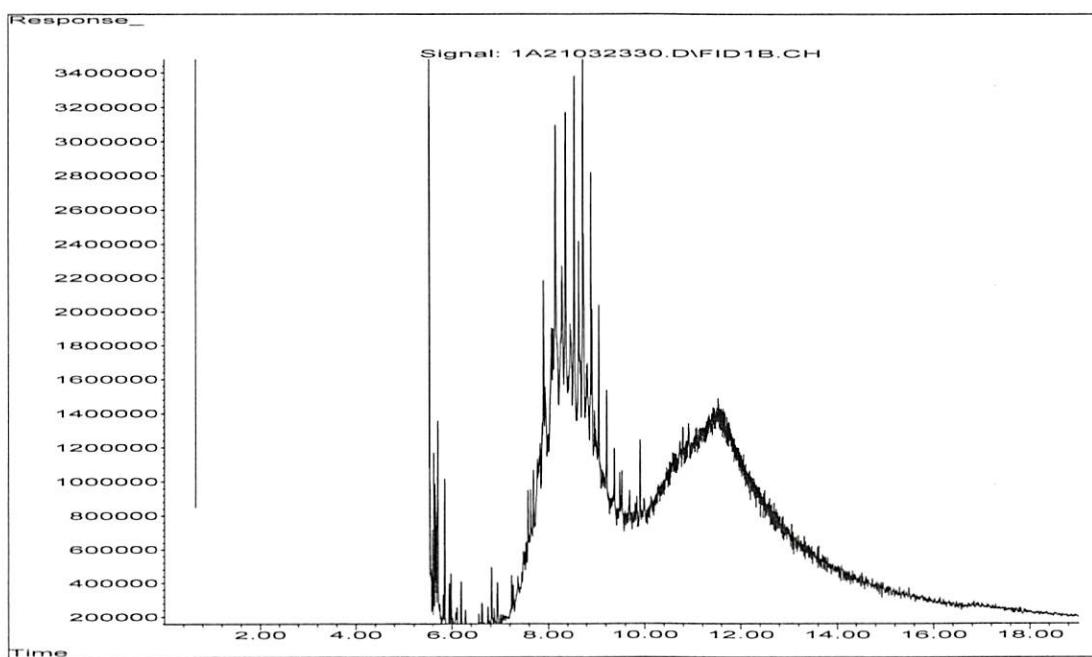


Sample Name: MGA2103122-05
 Instrument Name: FID01
 Misc Info: SOIL x 100
 Sample Multiplier: 200
 Data File Name: 1A21032330.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/24/21 05:17
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 30

Result Z
 Peer/QAQC _____
 Report JG
 Final JG

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	6.28	1520587.865	5.6893	ppm	
	Spiked Amt	6.00	%Recovery	94.82	.	
2)	TPH-E (GRO)	7.50	476049038.9	1826.93	ppm	
3)	TPH-E (JFRO)	7.50	1535587856	5893.105	ppm	
4)	TPH-E (DRO)	9.00	1388516284	5328.690	ppm	L
5)	TPH-E (ORO)	11.00	2777748755	13089.719	ppm	
6)	TPH (Extractable)	7.50	4301993323	16509.70	ppm	

	RL (SOIL)			RL(WATER)		
	NV	CA	OR	NV	CA	OR
JFRO	10	5	25	0.5	0.05	0.25
DRO	10	5	25	0.5	0.05	0.25
ORO	10	10	100	0.5	0.5	0.5

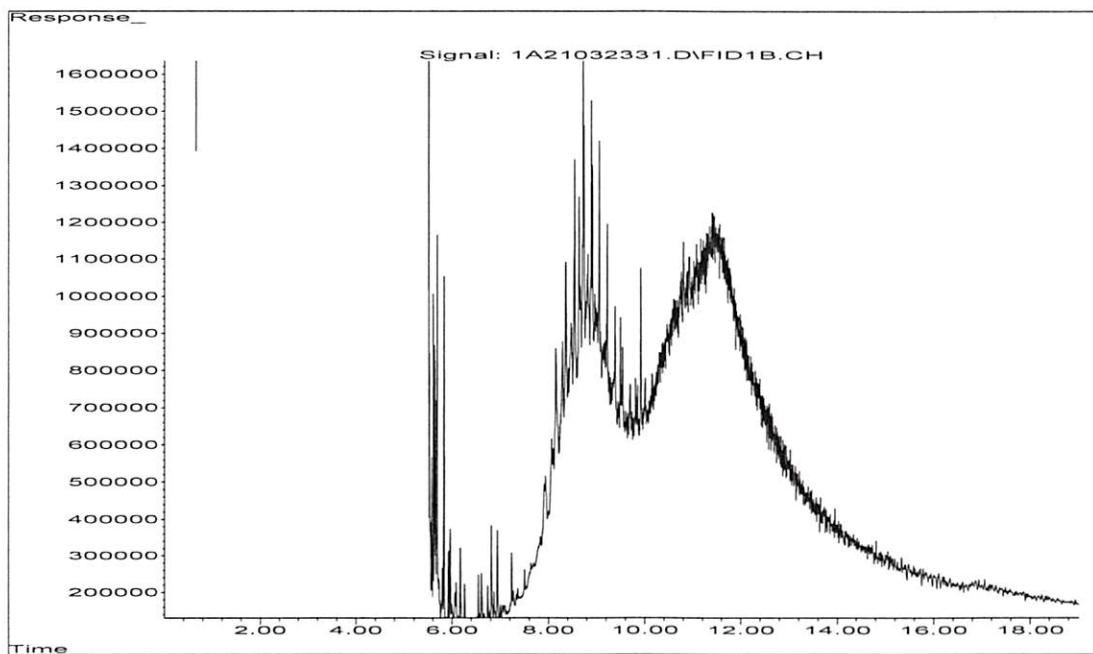


Sample Name: MGA2103122-06
 Instrument Name: FID01
 Misc Info: SOIL x 100
 Sample Multiplier: 200
 Data File Name: 1A21032331.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/24/21 05:44
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 31

Result Z
 Peer/QAQC _____
 Report JG
 Final JG

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	6.26	1612601.536	6.0336	ppm	
	Spiked Amt	6.00	%Recovery	100.56		
2)	TPH-E (GRO)	7.50	139104907.6	533.84	ppm	
3)	TPH-E (JFRO)	7.50	758895570.3	2912.403	ppm	
4)	TPH-E (DRO)	9.00	722645572.9	2773.287	ppm	L
5)	TPH-E (ORO)	11.00	2226734311	10493.147	ppm	
6)	TPH (Extractable)	7.50	2975761392	11420.04	ppm	

	RL (SOIL)			RL(WATER)		
	NV	CA	OR	NV	CA	OR
JFRO	10	5	25	0.5	0.05	0.25
DRO	500	10	25	0.5	0.05	0.25
ORO	(100)	10	100	0.5	0.5	0.5





Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

March 23, 2021

Caitlin Jelle
McGinley & Associates, Inc.
5410 Longley Lane
Reno, NV 89511
TEL: (775) 829-2245
FAX: (775) 829-2213

RE: BRN-069/APN-012-302-16

Order No.: MGA2103093

Dear Caitlin Jelle:

The result of this report apply to the sample(s) as received.

There were no problems with the analytical events associated with this report unless noted.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Randy Gardner". The signature is fluid and cursive, with "Randy" on top and "Gardner" below it, though the two names are connected.

Randy Gardner
Laboratory Manager
255 Glendale Ave, #21
Sparks, Nevada 89431



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

Analytical Report

WO#: MGA2103093
Report Date: 3/23/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/11/2021 2:55:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103093-01 **Matrix:** SOIL
Client Sample ID: BRN-069-B6@0-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	10		mg/Kg	3/18/2021	TPH-E by EPA 8015C
TPH-E (ORO)	ND	10		mg/Kg	3/18/2021	TPH-E by EPA 8015C
Surr: Nonane	94	66-134		%Rec	3/18/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	10		mg/Kg	3/17/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	3/17/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	99	70-130		%Rec	3/17/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	3/17/2021	TPH-P by EPA 8015C



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Sparks, Nevada 89431
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Website: www.alpha-analytical.com

Analytical Report

WO#: MGA2103093
Report Date: 3/23/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/12/2021 10:00:00 AM
Project: BRN-069/APN-012-302-16
Lab ID: 2103093-02 **Matrix:** SOIL
Client Sample ID: BRN-069-B7@0-3

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	10		mg/Kg	3/18/2021	TPH-E by EPA 8015C
TPH-E (ORO)	ND	10		mg/Kg	3/18/2021	TPH-E by EPA 8015C
Surr: Nonane	101	66-134		%Rec	3/18/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	10		mg/Kg	3/17/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	3/17/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	99	70-130		%Rec	3/17/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	3/17/2021	TPH-P by EPA 8015C



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Sparks, Nevada 89431
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Website: www.alpha-analytical.com

Analytical Report

WO#: MGA2103093
Report Date: 3/23/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/12/2021 1:05:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103093-03 **Matrix:** SOIL
Client Sample ID: BRN-069-B7@40'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	10		mg/Kg	3/18/2021	TPH-E by EPA 8015C
TPH-E (ORO)	ND	10		mg/Kg	3/18/2021	TPH-E by EPA 8015C
Surr: Nonane	100	66-134		%Rec	3/18/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	10		mg/Kg	3/17/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	3/17/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	99	70-130		%Rec	3/17/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	3/17/2021	TPH-P by EPA 8015C



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/12/2021 1:30:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103093-04 **Matrix:** AQUEOUS
Client Sample ID: BRN-069-B7-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

Analytical Report

WO#: MGA2103093
Report Date: 3/23/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/12/2021 1:30:00 PM
Project: BRN-069/APN-012-302-16
Lab ID: 2103093-04 **Matrix:** AQUEOUS
Client Sample ID: BRN-069-B7-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	94	70-130		%Rec	3/22/2021	VOCs by EPA 8260
Surr: Toluene-d8	100	70-130		%Rec	3/22/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	121	70-130		%Rec	3/22/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103093
Report Date: 3/23/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/16/2021 9:10:00 AM
Project: BRN-069/APN-012-302-16
Lab ID: 2103093-05 **Matrix:** SOIL
Client Sample ID: BRN-069-B6@28'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	10		mg/Kg	3/18/2021	TPH-E by EPA 8015C
TPH-E (ORO)	ND	10		mg/Kg	3/18/2021	TPH-E by EPA 8015C
Surr: Nonane	104	66-134		%Rec	3/18/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	10		mg/Kg	3/17/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	3/17/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	3/17/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	3/17/2021	TPH-P by EPA 8015C



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/16/2021 9:25:00 AM
Project: BRN-069/APN-012-302-16
Lab ID: 2103093-06 **Matrix:** AQUEOUS
Client Sample ID: BRN-069-B6-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103093
Report Date: 3/23/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/16/2021 9:25:00 AM
Project: BRN-069/APN-012-302-16
Lab ID: 2103093-06 **Matrix:** AQUEOUS
Client Sample ID: BRN-069-B6-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	3/22/2021	VOCs by EPA 8260
Surr: Toluene-d8	100	70-130		%Rec	3/22/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	121	70-130		%Rec	3/22/2021	VOCs by EPA 8260



CLIENT: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16
Lab ID: 2103093-07
Client Sample ID: BRN-069-Trip Blank

Collection Date: 3/16/2021

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103093
Report Date: 3/23/2021

CLIENT: McGinley & Associates, Inc.

Collection Date: 3/16/2021

Project: BRN-069/APN-012-302-16

Lab ID: 2103093-07

Matrix: AQUEOUS

Client Sample ID: BRN-069-Trip Blank

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/22/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	94	70-130		%Rec	3/22/2021	VOCs by EPA 8260
Surr: Toluene-d8	100	70-130		%Rec	3/22/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	122	70-130		%Rec	3/22/2021	VOCs by EPA 8260



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: TPH/E_S

Sample ID: MB-12578		SampType: MBLK			TestCode: TPH/E_S			Units: mg/Kg			
Client ID: PBS		Batch ID: 12578			TestNo: SW8015			SW8015			
Prep Date: 3/17/2021		RunNo: 11174			SeqNo: 315218						
Analysis Date: 3/18/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	ND	5									
TPH-E (ORO)	ND	10									
Surr: Nonane	5.5		6		91.7	66	134				

Sample ID: LCS-12578		SampType: LCS			TestCode: TPH/E_S			Units: mg/Kg			
Client ID: LCSS		Batch ID: 12578			TestNo: SW8015			SW8015			
Prep Date: 3/17/2021		RunNo: 11174			SeqNo: 315219						
Analysis Date: 3/18/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	106	5	100	0	106	79.4	120.49				
Surr: Nonane	5.79		6		96.5	78	138				

Sample ID: 2103093-01AMSD		SampType: MSD			TestCode: TPH/E_S			Units: mg/Kg			
Client ID: BRN-069-B6@0-3MSD		Batch ID: 12578			TestNo: SW8015			SW8015			
Prep Date: 3/17/2021		RunNo: 11174			SeqNo: 315222						
Analysis Date: 3/18/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	111	5	100	3.94	107	59.8	136	113	1.7	37.9	
Surr: Nonane	5.75		6		95.8	63	134	5.96	0	0	

Sample ID: 2103093-01AMS		SampType: MS			TestCode: TPH/E_S			Units: mg/Kg			
Client ID: BRN-069-B6@0-3MS		Batch ID: 12578			TestNo: SW8015			SW8015			
Prep Date: 3/17/2021		RunNo: 11174			SeqNo: 315221						
Analysis Date: 3/18/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	113	5	100	3.94	109	59.8	136				
Surr: Nonane	5.96		6		99.3	63	134				



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: TPH/P_S

Sample ID: MBLK		SampType: MBLK		TestCode: TPH/P_S		Units: mg/Kg					
Client ID: PBS		Batch ID: A12567B		TestNo: SW8015							
Prep Date: 3/19/2021		RunNo: 11172		SeqNo: 315172							
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	ND	1									
Surr: 1,2-Dichloroethane-d4	0.2		0.2		98.5	69.51	130.49				
Surr: Toluene-d8	0.21		0.2		103	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.21		0.2		103	69.51	130.49				

Sample ID: GLCS		SampType: GLCS		TestCode: TPH/P_S		Units: mg/Kg					
Client ID: BatchQC		Batch ID: A12567B		TestNo: SW8015							
Prep Date: 3/19/2021		RunNo: 11172		SeqNo: 315169							
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	18.3	2	16	0	114	64.64	146.49				
Surr: 1,2-Dichloroethane-d4	0.37		0.4		92.5	69.51	130.49				
Surr: Toluene-d8	0.411		0.4		103	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.406		0.4		101	69.51	130.49				

Sample ID: GSD		SampType: GSD		TestCode: TPH/P_S		Units: mg/Kg					
Client ID: BRN-069-B6@0-3		Batch ID: A12567B		TestNo: SW8015							
Prep Date: 3/19/2021		RunNo: 11172		SeqNo: 315171							
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	19.9	2	16	0	125	57.6	179	18.7	6.5	19.4	
Surr: 1,2-Dichloroethane-d4	0.386		0.4		96.6	69.51	130.49	0.394	0	0	
Surr: Toluene-d8	0.407		0.4		102	69.51	130.49	0.405	0	0	
Surr: 4-Bromofluorobenzene	0.41		0.4		102	69.51	130.49	0.413	0	0	

Sample ID: GS		SampType: GS		TestCode: TPH/P_S		Units: mg/Kg					
Client ID: BRN-069-B6@0-3		Batch ID: A12567B		TestNo: SW8015							
Prep Date: 3/19/2021		RunNo: 11172		SeqNo: 315170							
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	18.7	2	16	0	117	57.6	179				
Surr: 1,2-Dichloroethane-d4	0.394		0.4		98.5	69.51	130.49				
Surr: Toluene-d8	0.405		0.4		101	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.413		0.4		103	69.51	130.49				

Qualifiers: B Analyte detected in the associated Method Blan

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limit



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 2103093

23-Mar-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: TPH/P_S

Sample ID: 2103093-01AGS	SampType: GS	TestCode: TPH/P_S	Units: mg/Kg								
Client ID: BRN-069-B6@0-3	Batch ID: A12567B	TestNo: SW8015									
Prep Date: 3/19/2021	RunNo: 11172	SeqNo: 315170									
Analysis Date: 3/19/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



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QC SUMMARY REPORT

WO#: 2103093

23-Mar-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_W

Sample ID: MB-12594		SampType: MBLK		TestCode: VOC_W		Units: µg/L					
Client ID: PBW		Batch ID: A12594		TestNo: SW8260C							
Prep Date: 3/22/2021		RunNo: 11197		SeqNo: 315713							
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	1									
Chloromethane	ND	2									
Vinyl chloride	ND	1									
Chloroethane	ND	1									
Bromomethane	ND	2									
Trichlorofluoromethane	ND	1									
1,1-Dichloroethene	ND	1									
Dichloromethane	ND	2									
trans-1,2-Dichloroethene	ND	1									
Methyl tert-butyl ether (MTBE)	ND	0.5									
1,1-Dichloroethane	ND	1									
cis-1,2-Dichloroethene	ND	1									
Bromochloromethane	ND	1									
Chloroform	ND	1									
2,2-Dichloropropane	ND	1									
1,2-Dichloroethane	ND	1									
1,1,1-Trichloroethane	ND	1									
1,1-Dichloropropene	ND	1									
Carbon tetrachloride	ND	1									
Benzene	ND	0.5									
Dibromomethane	ND	1									
1,2-Dichloropropane	ND	1									
Trichloroethene	ND	1									
Bromodichloromethane	ND	1									
cis-1,3-Dichloropropene	ND	1									
trans-1,3-Dichloropropene	ND	1									
1,1,2-Trichloroethane	ND	1									
Toluene	ND	0.5									
1,3-Dichloropropane	ND	1									
Dibromochloromethane	ND	1									
1,2-Dibromoethane (EDB)	ND	2									
Tetrachloroethene	ND	1									
1,1,1,2-Tetrachloroethane	ND	1									
Chlorobenzene	ND	1									
Ethylbenzene	ND	0.5									
m,p-Xylene	ND	0.5									
Bromoform	ND	1									
Styrene	ND	1									
o-Xylene	ND	0.5									
1,1,2,2-Tetrachloroethane	ND	1									

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



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Sparks, Nevada 89431
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QC SUMMARY REPORT

WO#: 2103093

23-Mar-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_W

Sample ID: MBLK-12594		SampType: MBLK		TestCode: VOC_W		Units: µg/L					
Client ID: PBW		Batch ID: A12594		TestNo: SW8260C							
Prep Date: 3/22/2021		RunNo: 11197		SeqNo: 315713							
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	2									
Isopropylbenzene	ND	1									
Bromobenzene	ND	1									
n-Propylbenzene	ND	1									
4-Chlorotoluene	ND	1									
2-Chlorotoluene	ND	1									
1,3,5-Trimethylbenzene	ND	1									
tert-Butylbenzene	ND	1									
1,2,4-Trimethylbenzene	ND	1									
sec-Butylbenzene	ND	1									
1,3-Dichlorobenzene	ND	1									
1,4-Dichlorobenzene	ND	1									
4-Isopropyltoluene	ND	1									
1,2-Dichlorobenzene	ND	1									
n-Butylbenzene	ND	1									
1,2-Dibromo-3-chloropropane (DBCP)	ND	3									
1,2,4-Trichlorobenzene	ND	2									
Naphthalene	ND	2									
Hexachlorobutadiene	ND	2									
1,2,3-Trichlorobenzene	ND	2									
Surr: 1,2-Dichloroethane-d4	9.4		10		94.0	69.51	130.49				
Surr: Toluene-d8	10		10		101	69.51	130.49				
Surr: 4-Bromofluorobenzene	12		10		122	69.51	130.49				

Sample ID: LCS-12594		SampType: LCS		TestCode: VOC_W		Units: µg/L					
Client ID: LCSW		Batch ID: A12594		TestNo: SW8260C							
Prep Date: 3/22/2021		RunNo: 11197		SeqNo: 315712							
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	13.3	1	10	0	133	16.9	124				S
Chloromethane	9.92	2	10	0	99.2	25.9	136				
Vinyl chloride	9.96	1	10	0	99.6	47.8	132				
Chloroethane	6.47	1	10	0	64.7	62.3	169				
Bromomethane	6.97	2	10	0	69.7	33.8	135				
Trichlorofluoromethane	7.32	1	10	0	73.2	16.8	155				
1,1-Dichloroethene	9.92	1	10	0	99.2	65.2	129				
Dichloromethane	8.38	2	10	0	83.8	65.2	129				
trans-1,2-Dichloroethene	9.69	1	10	0	96.9	66.7	132				

Qualifiers: B Analyte detected in the associated Method Blan

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limit



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Sparks, Nevada 89431
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QC SUMMARY REPORT

WO#: 2103093

23-Mar-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_W

Sample ID: LCS-12594			SampType: LCS			TestCode: VOC_W			Units: µg/L		
Client ID: LCSW			Batch ID: A12594			TestNo: SW8260C					
Prep Date: 3/22/2021			RunNo: 11197			SeqNo: 315712					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	8.86	0.5	10	0	88.6	52.9	125				
1,1-Dichloroethane	10.2	1	10	0	102	66.6	129				
cis-1,2-Dichloroethene	9.71	1	10	0	97.1	59.2	131				
Bromochloromethane	9.36	1	10	0	93.6	65.9	121				
Chloroform	9.81	1	10	0	98.1	56.5	149				
2,2-Dichloropropane	11.3	1	10	0	113	58.2	146				
1,2-Dichloroethane	9.79	1	10	0	97.9	73.4	120.4				
1,1,1-Trichloroethane	9.86	1	10	0	98.6	52.7	144				
1,1-Dichloropropene	9.92	1	10	0	99.2	85.6	131				
Carbon tetrachloride	9.73	1	10	0	97.3	30.9	175				
Benzene	10.1	0.5	10	0	101	79.5	120.4				
Dibromomethane	9.68	1	10	0	96.8	78.5	120.4				
1,2-Dichloropropane	10.2	1	10	0	102	79.5	126				
Trichloroethene	9.59	1	10	0	95.9	69	120.4				
Bromodichloromethane	10	1	10	0	100	73.9	122				
cis-1,3-Dichloropropene	10.4	1	10	0	104	78.7	120.4				
trans-1,3-Dichloropropene	10.4	1	10	0	104	70.2	120.4				
1,1,2-Trichloroethane	10.1	1	10	0	101	76.2	120.4				
Toluene	9.82	0.5	10	0	98.2	79.7	126				
1,3-Dichloropropane	9.37	1	10	0	93.7	71.7	131				
Dibromochloromethane	8.95	1	10	0	89.5	79.5	120.4				
1,2-Dibromoethane (EDB)	18.5	2	20	0	92.6	76.4	120.4				
Tetrachloroethene	9.29	1	10	0	92.9	64	123				
1,1,1,2-Tetrachloroethane	9.02	1	10	0	90.2	77.9	120.4				
Chlorobenzene	9.68	1	10	0	96.8	70.9	120.4				
Ethylbenzene	8.67	0.5	10	0	86.7	77.5	120.4				
m,p-Xylene	8.74	0.5	10	0	87.4	74.8	120.4				
Bromoform	8.48	1	10	0	84.8	51.3	120.4				
Styrene	9.15	1	10	0	91.5	71.9	120.4				
o-Xylene	8.05	0.5	10	0	80.5	79.1	120.4				
1,1,2,2-Tetrachloroethane	8.57	1	10	0	85.7	55.6	138				
1,2,3-Trichloropropane	16.1	2	20	0	80.4	73.4	120.4				
Isopropylbenzene	12	1	10	0	120	78.7	148				
Bromobenzene	12.1	1	10	0	121	79.5	121				S
n-Propylbenzene	12.1	1	10	0	121	82.5	134				
4-Chlorotoluene	11.3	1	10	0	113	79.5	135				
2-Chlorotoluene	11.7	1	10	0	117	79.5	131				
1,3,5-Trimethylbenzene	9.49	1	10	0	94.9	79.5	135				
tert-Butylbenzene	11.3	1	10	0	113	79.5	139				
1,2,4-Trimethylbenzene	9.94	1	10	0	99.4	79.5	138				

- Qualifiers:** B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



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Sparks, Nevada 89431
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QC SUMMARY REPORT

WO#: 2103093

23-Mar-21

Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_W

Sample ID: LCS-12594			SampType: LCS			TestCode: VOC_W			Units: µg/L		
Client ID: LCSW			Batch ID: A12594			TestNo: SW8260C					
Prep Date: 3/22/2021			RunNo: 11197			SeqNo: 315712					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	11.2	1	10	0	112	79.5	132				
1,3-Dichlorobenzene	11	1	10	0	110	79.5	125				
1,4-Dichlorobenzene	10.3	1	10	0	103	79.5	123				
4-Isopropyltoluene	11.6	1	10	0	116	79.5	130				
1,2-Dichlorobenzene	10.1	1	10	0	100	79.5	121				
n-Butylbenzene	10.3	1	10	0	103	79.5	136				
1,2-Dibromo-3-chloropropane (DBCP)	50.9	3	50	0	102	72.1	136				
1,2,4-Trichlorobenzene	10.3	2	10	0	103	73.3	126				
Naphthalene	11	2	10	0	110	47.2	142				
Hexachlorobutadiene	18.4	2	20	0	91.8	31.2	170				
1,2,3-Trichlorobenzene	10.4	2	10	0	104	67.4	130				
Surr: 1,2-Dichloroethane-d4	10.4		10		104	69.51	130.5				
Surr: Toluene-d8	9.57		10		95.7	69.51	130.5				
Surr: 4-Bromofluorobenzene	11.8		10		118	69.51	130.5				

Sample ID: 2103093-04AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BRN-069-B7-H2OMSD			Batch ID: A12594			TestNo: SW8260C					
Prep Date: 3/22/2021			RunNo: 11197			SeqNo: 315706					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	53.5	5	50	0	107	5.1	155	53.1	0.71	38	
Chloromethane	47	10	50	0	94.0	37.7	121	46.2	1.9	22.5	
Vinyl chloride	49.7	5	50	0	99.4	60.4	140	50	0.52	23.9	
Chloroethane	33.2	5	50	0	66.4	43.1	206	37.1	11	22.9	
Bromomethane	39.1	10	50	0	78.2	12.6	168	37.4	4.6	48	
Trichlorofluoromethane	37.2	5	50	0	74.4	58.6	163	37.5	0.7	33.3	
1,1-Dichloroethene	52.4	5	50	0	105	69.8	158	53	1.2	21.7	
Dichloromethane	46.4	10	50	0	92.7	71.7	132	47.3	1.9	20	
trans-1,2-Dichloroethene	52.4	5	50	0	105	72	136	52.4	0.057	19.2	
Methyl tert-butyl ether (MTBE)	48.8	2.5	50	0	97.6	54.8	155	49.3	1.1	21.4	
1,1-Dichloroethane	54.9	5	50	0	110	76.9	140	55.5	1.1	18	
cis-1,2-Dichloroethene	53.4	5	50	0	107	73.9	133	54	1.1	20.1	
Bromochloromethane	52.1	5	50	0	104	75.8	132	52.8	1.2	23.5	
Chloroform	54	5	50	0	108	74.3	130	54.5	0.94	18	
2,2-Dichloropropane	58.7	5	50	0	117	53.9	146	59.2	0.87	52.3	
1,2-Dichloroethane	54.4	5	50	0	109	72.6	144	54.4	0.018	17.1	
1,1,1-Trichloroethane	53.3	5	50	0	107	70.2	138	53.8	0.93	22.2	
1,1-Dichloropropene	53	5	50	0	106	69.7	146	53.3	0.58	29.6	

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_W

Sample ID: 2103093-04AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BRN-069-B7-H2OMSD			Batch ID: A12594			TestNo: SW8260C					
Prep Date: 3/22/2021			RunNo: 11197			SeqNo: 315706					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	52.8	5	50	0	106	58.2	141	52.9	0.095	31.9	
Benzene	55.6	2.5	50	0	111	67.8	140	55.7	0.16	18.1	
Dibromomethane	54.2	5	50	0	108	75.2	144	53.3	1.6	19.5	
1,2-Dichloropropane	57.3	5	50	0	115	75.3	144	57	0.6	19.7	
Trichloroethene	52.6	5	50	0	105	65.7	131	52.3	0.55	25.3	
Bromodichloromethane	56.2	5	50	0	112	70.2	141	56	0.43	20.5	
cis-1,3-Dichloropropene	57.8	5	50	0	116	56.9	132	57.2	0.99	25.8	
trans-1,3-Dichloropropene	57.4	5	50	0	115	72	131	56	2.5	26.4	
1,1,2-Trichloroethane	57	5	50	0	114	74	130	56.7	0.49	21.9	
Toluene	54	2.5	50	0	108	67.2	131	54.4	0.83	18.3	
1,3-Dichloropropane	52.7	5	50	0	105	74.2	124	52.2	1	21.7	
Dibromochloromethane	49.9	5	50	0	99.7	71.5	134	49.3	1	24.1	
1,2-Dibromoethane (EDB)	104	10	100	0	104	74.7	129	103	0.72	23.1	
Tetrachloroethene	49.5	5	50	0	99.0	45.9	138	49.6	0.28	30.9	
1,1,1,2-Tetrachloroethane	50.8	5	50	0	102	75.7	125	50.4	0.95	22.6	
Chlorobenzene	54.3	5	50	0	109	73.7	120	53.6	1.4	23.1	
Ethylbenzene	47.7	2.5	50	0	95.5	70.3	122	47.3	0.86	25.3	
m,p-Xylene	48	2.5	50	0	95.9	52.9	136	47.8	0.38	26.6	
Bromoform	47.2	5	50	0	94.4	61.5	141	46	2.6	25	
Styrene	50.8	5	50	0	102	74	130	50.1	1.5	26	
o-Xylene	44.4	2.5	50	0	88.8	67.3	129	44.3	0.23	25	
1,1,2,2-Tetrachloroethane	47.8	5	50	0	95.7	62.4	153	47	1.7	24.6	
1,2,3-Trichloropropane	89.1	10	100	0	89.1	37.4	171	87.6	1.7	50	
Isopropylbenzene	65	5	50	0	130	63	132	64.1	1.4	33.1	
Bromobenzene	66.4	5	50	0	133	65.1	120	66.1	0.45	23.6	S
n-Propylbenzene	65.6	5	50	0	131	58.2	128	64.1	2.3	32.4	S
4-Chlorotoluene	61.2	5	50	0	122	63.9	127	60.8	0.64	29.1	
2-Chlorotoluene	63.8	5	50	0	128	63.2	126	62.7	1.8	28.9	S
1,3,5-Trimethylbenzene	51.9	5	50	0	104	63.8	138	50.4	2.9	31.9	
tert-Butylbenzene	61.4	5	50	0	123	59.7	128	59.6	2.9	36.2	
1,2,4-Trimethylbenzene	54.3	5	50	0	109	65.1	135	52.7	3	28.8	
sec-Butylbenzene	59.9	5	50	0	120	55.5	128	57.2	4.7	40.9	
1,3-Dichlorobenzene	58.8	5	50	0	118	64.5	122	57.5	2.3	28.6	
1,4-Dichlorobenzene	55.9	5	50	0	112	63.7	121	54.3	3	27.7	
4-Isopropyltoluene	62.1	5	50	0	124	58	135	59.5	4.4	40.4	
1,2-Dichlorobenzene	53.9	5	50	0	108	66.7	122	52.7	2.3	24.5	
n-Butylbenzene	53.9	5	50	0	108	52.7	139	50.2	7.1	43.5	
1,2-Dibromo-3-chloropropane (DBCP)	280	15	250	0	112	59.1	143	263	6	24.9	
1,2,4-Trichlorobenzene	52.7	10	50	0	105	47.1	139	48.1	9	35	
Naphthalene	58.6	10	50	0	117	31.6	164	51.7	12	50	

- Qualifiers:** B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_W

Sample ID: 2103093-04AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BRN-069-B7-H2OMSD			Batch ID: A12594			TestNo: SW8260C					
Prep Date: 3/22/2021			RunNo: 11197			SeqNo: 315706					
Analysis Date: 3/22/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	92.6	10	100	0	92.6	45.6	123	85.1	8.5	48	
1,2,3-Trichlorobenzene	53.6	10	50	0	107	17.7	171	46.5	14	57	
Surr: 1,2-Dichloroethane-d4	53.2		50		106	69.51	130.49	52.5	0	0	
Surr: Toluene-d8	47.7		50		95.4	69.51	130.49	48	0	0	
Surr: 4-Bromofluorobenzene	58.2		50		116	69.51	130.49	58.6	0	0	

Sample ID: 2103093-04AMS			SampType: MS			TestCode: VOC_W			Units: µg/L		
Client ID: BRN-069-B7-H2OMS			Batch ID: A12594			TestNo: SW8260C					
Prep Date: 3/22/2021			RunNo: 11197			SeqNo: 315705					
Analysis Date: 3/22/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	53.1	5	50	0	106	5.1	155				
Chloromethane	46.2	10	50	0	92.3	37.7	121				
Vinyl chloride	50	5	50	0	99.9	60.4	140				
Chloroethane	37.1	5	50	0	74.2	43.1	206				
Bromomethane	37.4	10	50	0	74.7	12.6	168				
Trichlorofluoromethane	37.5	5	50	0	74.9	58.6	163				
1,1-Dichloroethene	53	5	50	0	106	69.8	158				
Dichloromethane	47.3	10	50	0	94.5	71.7	132				
trans-1,2-Dichloroethene	52.4	5	50	0	105	72	136				
Methyl tert-butyl ether (MTBE)	49.3	2.5	50	0	98.7	54.8	155				
1,1-Dichloroethane	55.5	5	50	0	111	76.9	140				
cis-1,2-Dichloroethene	54	5	50	0	108	73.9	133				
Bromochloromethane	52.8	5	50	0	106	75.8	132				
Chloroform	54.5	5	50	0	109	74.3	130				
2,2-Dichloropropane	59.2	5	50	0	118	53.9	146				
1,2-Dichloroethane	54.4	5	50	0	109	72.6	144				
1,1,1-Trichloroethane	53.8	5	50	0	108	70.2	138				
1,1-Dichloropropene	53.3	5	50	0	107	69.7	146				
Carbon tetrachloride	52.9	5	50	0	106	58.2	141				
Benzene	55.7	2.5	50	0	111	67.8	140				
Dibromomethane	53.3	5	50	0	107	75.2	144				
1,2-Dichloropropane	57	5	50	0	114	75.3	144				
Trichloroethene	52.3	5	50	0	105	65.7	131				
Bromodichloromethane	56	5	50	0	112	70.2	141				
cis-1,3-Dichloropropene	57.2	5	50	0	114	56.9	132				
trans-1,3-Dichloropropene	56	5	50	0	112	72	131				
1,1,2-Trichloroethane	56.7	5	50	0	113	74	130				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Client: McGinley & Associates, Inc.
Project: BRN-069/APN-012-302-16

TestCode: VOC_W

Sample ID: 2103093-04AMS			SampType: MS			TestCode: VOC_W			Units: µg/L		
Client ID: BRN-069-B7-H2OMS			Batch ID: A12594			TestNo: SW8260C					
Prep Date: 3/22/2021			RunNo: 11197			SeqNo: 315705					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	54.4	2.5	50	0	109	67.2	131				
1,3-Dichloropropane	52.2	5	50	0	104	74.2	124				
Dibromochloromethane	49.3	5	50	0	98.7	71.5	134				
1,2-Dibromoethane (EDB)	103	10	100	0	103	74.7	129				
Tetrachloroethene	49.6	5	50	0	99.3	45.9	138				
1,1,1,2-Tetrachloroethane	50.4	5	50	0	101	75.7	125				
Chlorobenzene	53.6	5	50	0	107	73.7	120				
Ethylbenzene	47.3	2.5	50	0	94.7	70.3	122				
m,p-Xylene	47.8	2.5	50	0	95.5	52.9	136				
Bromoform	46	5	50	0	92.0	61.5	141				
Styrene	50.1	5	50	0	100	74	130				
o-Xylene	44.3	2.5	50	0	88.6	67.3	129				
1,1,2,2-Tetrachloroethane	47	5	50	0	94.1	62.4	153				
1,2,3-Trichloropropane	87.6	10	100	0	87.6	37.4	171				
Isopropylbenzene	64.1	5	50	0	128	63	132				
Bromobenzene	66.1	5	50	0	132	65.1	120				S
n-Propylbenzene	64.1	5	50	0	128	58.2	128				S
4-Chlorotoluene	60.8	5	50	0	122	63.9	127				
2-Chlorotoluene	62.7	5	50	0	125	63.2	126				
1,3,5-Trimethylbenzene	50.4	5	50	0	101	63.8	138				
tert-Butylbenzene	59.6	5	50	0	119	59.7	128				
1,2,4-Trimethylbenzene	52.7	5	50	0	105	65.1	135				
sec-Butylbenzene	57.2	5	50	0	114	55.5	128				
1,3-Dichlorobenzene	57.5	5	50	0	115	64.5	122				
1,4-Dichlorobenzene	54.3	5	50	0	109	63.7	121				
4-Isopropyltoluene	59.5	5	50	0	119	58	135				
1,2-Dichlorobenzene	52.7	5	50	0	105	66.7	122				
n-Butylbenzene	50.2	5	50	0	100	52.7	139				
1,2-Dibromo-3-chloropropane (DBCP)	263	15	250	0	105	59.1	143				
1,2,4-Trichlorobenzene	48.1	10	50	0	96.2	47.1	139				
Naphthalene	51.7	10	50	0	103	31.6	164				
Hexachlorobutadiene	85.1	10	100	0	85.1	45.6	123				
1,2,3-Trichlorobenzene	46.5	10	50	0	92.9	17.7	171				
Surr: 1,2-Dichloroethane-d4	52.5		50		105	69.51	130.49				
Surr: Toluene-d8	48		50		95.9	69.51	130.49				
Surr: 4-Bromofluorobenzene	58.6		50		117	69.51	130.49				

Qualifiers: B Analyte detected in the associated Method Blan
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limit



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

Definition Only

WO#: 2103093
Date: 3/23/2021

Definitions:

ND = Not Detected

C = Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.

D = Reporting Limits were increased due to high concentrations of non-target analytes.

H = Reporting Limits were increased due to the hydrocarbons present in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

K = DRO concentration may include contributions from lighter-end hydrocarbons (e.g. gasoline) that elute in the DRO range.

L = DRO concentration may include contributions from heavier-end hydrocarbons (e.g. motor oil) that elute in the DRO range.

O = Reporting Limits were increased due to sample foaming.

V = Reporting Limits were increased due to high concentrations of target analytes.

X = Reporting Limits were increased due to sample matrix interferences.

Z = DRO concentration may include contributions from lighter-end (e.g. gasoline) and heavier-end (e.g. motor oil) hydrocarbons that elute in the DRO range.

S50 = The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The laboratory control sample was acceptable.

S51 = Surrogate recovery could not be determined due to the presence of co-eluting hydrocarbons.

S52 = Surrogate recovery was above laboratory acceptance limits. Probable matrix effect.

S53 = Surrogate recovery was below laboratory acceptance limits. Probable matrix effect.

S54 = Surrogate recovery was below laboratory acceptance limits.

S55 = Surrogate recovery was above laboratory acceptance limits.

Report CC's Caitlin Jelle
Kyndra Washell

WORKORDER SUMMARY

NV

Alpha Analytical, Inc.

255 Glendale Ave, #21 Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder: MGA2103093
Report Due By: 23-Mar-21
EDD Required: YES

Report Attention: Caitlin Jelle

Client:
McGinley & Associates, Inc.
5410 Longley Lane
Reno, NV 89511

TEL: 7758292245
FAX: 7758292213
ProjectNo: BRN-069/APN-012-302-16
Date Received: 16-Mar-21

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles	Alpha Sub	TAT	TPHIE_S	TPHIE_W	Requested Tests	Sample Remarks
MGA2103093-01	BRN-069-B6@0-3	SO	3/11/2021 2:55:00 PM	1	0	5	A - TPHIE_N	A - GAS:N		
MGA2103093-02	BRN-069-B7@0-3	SO	3/12/2021 10:00:00 AM	1	0	5	A - TPHIE_N	A - GAS:N		
MGA2103093-03	BRN-069-B7@40'	SO	3/12/2021 1:05:00 PM	1	0	5	A - TPHIE_N	A - GAS:N		
MGA2103093-04	BRN-069-B7-H2O	AQ	3/12/2021 1:30:00 PM	4	0	5	A - TPHIE_N	A - 8260/M_N		sediment in vials
MGA2103093-05	BRN-069-B6@28'	SO	3/16/2021 9:10:00 AM	1	0	5	A - TPHIE_N	A - GAS:N		
MGA2103093-06	BRN-069-B6-H2O	AQ	3/16/2021 9:25:00 AM	4	0	5		A - 8260/M_N		sediment in vials
MGA2103093-07	BRN-069-Trip Blank	AQ	3/16/2021	1	0	5		A - 8260/M_N		Reno TB 10/5/20

Comments:

Logged in by: K. Murray Signature: K. Murray Print Name: K. Murray Company: Alpha Analytical, Inc. Date/Time: 3/16/21 10:10

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

CHAIN OF CUSTODY



Billing Information:

McGraw

Company: _____

Attn: _____

Address: _____

City, State, Zip: _____

Phone Number: _____

Fax: _____

Alpha Analytical, Inc.

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431

Phone: 775-355-1044

Fax: 775-355-0406

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827

Phone: 916-366-8089

Northern NV: 350 7th St., Elko, NV 89801

Phone: 775-388-7043

Page # 1 of 1

Consultant/ Client Info:		Job and Purchase Order Info:		Report Attention/Project Manager:		QC Deliverable Info:										
Company: <u>McGraw</u>	Address: _____	Job # <u>BRN - 069</u>	P.O. #: <u>APN - 012 - 302 - 16</u>	Name: <u>C. Jallie</u>	Email Address: _____	EDD Required? Yes / No	EDF Required? Yes / No									
Samples Collected from which State? (circle one)		AR	CA	KS	NV	OR	WA	Other	Global ID: _____	Data Validation Packages: III or IV	Remarks					
<p>Time Sampled (HH:MM)</p> <p>1455 3/11 SD</p> <p>1000 3/12 SD</p> <p>1305 11 SD</p> <p>1330 11 AQ</p> <p>0715 3/16 SD</p> <p>0925 11 AQ</p> <p>NA 11 AQ</p>	<p>Date Sampled (MM/DD)</p> <p>SD</p> <p>SD</p> <p>SD</p> <p>AQ</p> <p>SD</p> <p>AQ</p> <p>AQ</p>	<p>Matrix* (See Key Below)</p> <p>SD</p> <p>SD</p> <p>SD</p> <p>AQ</p> <p>SD</p> <p>AQ</p> <p>AQ</p>	<p>Lab ID Number (For Lab Use Only)</p> <p>MGA2103093-01</p> <p>02</p> <p>03</p> <p>04</p> <p>05</p> <p>06</p> <p>07</p>	<p>Sample Description</p> <p>BRN-069-B7@0-3</p> <p>BRN-069-B7@40'</p> <p>BRN-069-B7-H2O</p> <p>BRN-069-B6@28'</p> <p>BRN-069-B6@H2O</p> <p>BRN-069-Trip Blenk</p>	<p>TAT</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p>	<p>Field Filtered?</p> <p>Yes / No</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p>	<p># Contaminants* (See Key Below)</p> <p>TPH-C-P-E</p> <p>TPH-C-P-E</p> <p>TPH-C-P-E</p> <p>VOCs only</p> <p>VOCs only</p> <p>VOCs only</p> <p>VOCs only</p>	<p>Analysis Requested</p>	<p>Remarks</p>							
										AR	CA	KS	NV	OR	WA	Other

ADDITIONAL INSTRUCTIONS:

(field sample) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: D. Parcell Received by: (Signature/Affiliation): K. Mullaney

Relinquished by: (Signature/Affiliation): RJ - JH Date: 3-16-21 Time: 0950 Received by: (Signature/Affiliation): K. Mullaney

Released by: (Signature/Affiliation): _____ Date: _____ Time: _____ Received by: (Signature/Affiliation): _____

Released by: (Signature/Affiliation): _____ Date: _____ Time: _____ Received by: (Signature/Affiliation): _____

Key: AQ - Aqueous AR-Air OT - Other So-Soil WA - Waste **B - Brass L - Liter O - Orbo OT - Other P - Plastic S-Soil Jar T - Tedlar V - VOA

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

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12/17