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LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

APN 012-302-14

**1 & 55 SUNSHINE LANE
AND 40 KIETZKE LANE
Reno, Washoe County, NV 89502**

**NDEP Contract #DEP17-026
Task MA27-21**

- | 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
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On Behalf of:

The Reno Sparks Indian Colony

May 3, 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) 012-302-14 (Site). The Site is located at street addresses 1 and 55 Sunshine Lane and 40 Kietzke Lane 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 MA27-21. 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 (B1, B2, B3, B9 and B10) 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;
- 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:

- Two fuel USTs were removed from the central portion of the Site in 1993. While visible signs of a release were not observed during the removal, the laboratory analytical results identified total petroleum hydrocarbon (TPH) concentrations in two samples which exceeded the 100 mg/kg TPH soil action level. The WCHD granted closure for the systems in April 1993; however, an unknown quantity of soil containing elevated TPH concentrations was closed in place. Impacted soils may be encountered during future construction activities. Additionally, if the land use of the Site should change from commercial/industrial to residential, further investigation may be warranted.

- 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. The Site was historically developed with other structures and detailed records of those operations were not identified. 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, boring B1 was located downgradient from a septic system, boring B2 was located proximal to a former UST, and borings B3 and B10 were located proximal to and/or downgradient of a septic system, apparent automotive repair area, and chemical/petroleum storage. Boring B9 was utilized as a downgradient boring for APN 012-302-16, which was being investigated concurrently. The borings were advanced to approximately 40 feet below ground surface (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 the boring and collect a groundwater sample. Groundwater was encountered in all borings between approximately 32 and 33 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 each soil core 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.

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-068-B1@0-3' and BRN-068-B2@0-3' 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 are summarized in Table 1 and below:

- Detectable concentrations of TPH in the diesel range of organics (DRO) were reported in four of the ten collected samples ranging from 28 mg/kg (BRN-068-B3@0-3') to 160 mg/kg (BRN-068-B1@32'). It should be noted that all reported DRO concentration 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-068-B1@32' also includes additional compounds uncharacteristic of common fuels and lubricants.
- Detectable concentrations of TPH in the oil range of organics (ORO) were reported in five of the ten collected samples ranging from 17 mg/kg (BRN-068-B9@0-3') to 850 mg/kg (BRN-068-B1@0-3'). It should be noted that the reported ORO concentrations in samples BRN-068-B1@32' and BRN-068-B9@0-3' also include additional compounds uncharacteristic of common fuels and lubricants.
- It should be noted that the DRO/ORO concentrations reported in samples BRN-068-B1@0-3', BRN-068-B1@32', BRN-068-B2@0-3', and BRN-068-B3@0-3' 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.
- Detectable concentrations of PNAs including fluoranthene (83 µg/kg) and pyrene (100 µg/kg) were reported in BRN-068-B1@0-3'. All other PNAs were reported below the

laboratory reporting limit.

- A detectable concentration of total xylenes (30 µg/kg) was reported in BRN-068-B2@0-3'. All other VOCs were reported below the laboratory reporting limit.

5.6.2 Groundwater Samples

Groundwater sample analytical results were below the laboratory reporting limits for all collected samples and trip blanks.

6. DATA QUALITY/QUALITY CONTROL

6.1 Groundwater Sampling

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. The duplicate sample was collected from boring B10 as a separate sample for the purpose of assessing field variability. 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

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. Duplicate volume intended for use as a MS/MSD was collected from soil samples at a rate of one per 20 samples.

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 B1@32 and B9@ 0-3' included a qualifier (C) that reported 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 all reported DRO concentrations include heavier-end hydrocarbons that are consistent with asphaltic material. This is based on a review of the chromatogram.

- The PNA results included a qualifier (H) that samples were extracted outside of the holding time, per client request. Samples were extracted outside of holding time, as TPH results were required to determine which samples to analyze for constituents.
- In several instances, QA/QC recoveries for VOC constituents including 2,2-Dichloropropane (MSD), Dichlorodifluoromethane (MSD and LCS), and Chloromethane (MSD) were qualified as being outside of acceptable recovery limits. Based on the analytical reports, the recoveries were biased on the low side for the soil sample MSD and on the high side for the water sample LCS. However, the reported results for these constituents in all samples are below laboratory detection limits and 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 downgradient of the septic systems, petroleum storage areas, and/or automotive repair facilities.
- 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.
- Collected soil samples exhibited concentrations of DRO up to 160 mg/kg and concentrations of ORO up to 850 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 B1 at 32 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.
- 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.
- All groundwater sample results were below the laboratory reporting limit.

8. CONCLUSION AND RECOMMENDATIONS

Groundwater sample analytical results indicated all analytes were reported below the laboratory reporting limit. Soil sample analytical results indicated concentrations of TPH above the NDEP screening level of 100 mg/kg are present in borings B1, B2, and B3; however, based on notes from and a conversation with the laboratory, these concentrations are consistent with asphaltic material and/or organic detritus. Based on previous conversations with the NDEP, asphaltic material does not represent a reportable release. Additionally, concentrations of VOCs and PNAs in the soil samples were reported below the analyte-specific closure levels for residential soil further indicating that the elevated TPH results do not represent a threat to

human health or the environment. As such, these elevated TPH concentrations are not indicative of a release to the environment. Therefore, McGinley is of the opinion that no additional site assessment activities are warranted at this time.

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 (µg/kg)		VOCs (µg/kg) Total Xylenes
				DRO	ORO		GRO	Fluoranthene	
B1	BRN-068-B1@0-3'	8-Mar-21	2.0	96 L*	850*	<10	83 H	100 H	<20
	BRN-068-B1@32'	8-Mar-21	32	160 LC*	650 C*	<10	NA	NA	NA
B2	BRN-068-B2@0-3'	8-Mar-21	2.0	84 L*	800*	<10	<50 H	<50 H	30
	BRN-068-B2@33'	8-Mar-21	33	<10	<10	<10	NA	NA	NA
B3	BRN-068-B3@0-3'	9-Mar-21	2.0	28 L*	360*	<10	NA	NA	NA
	BRN-068-B3@32'	10-Mar-21	32	<10	<10	<10	NA	NA	NA
B9	BRN-068-B9@0-3'	17-Mar-21	2.0	<10	17 C	<10	NA	NA	NA
	BRN-068-B9@32'	17-Mar-21	32	<10	<10	<10	NA	NA	NA
B10	BRN-068-B10@0-3'	17-Mar-21	2.0	<10	<10	<10	NA	NA	NA
	BRN-068-B10@32'	17-Mar-21	32	<10	<10	<10	NA	NA	NA
NDEP Analyte Specific Closure Levels (Residential Soil)				-	-	-	2.30E+06	1.70E+06	5.80E+05

fbgs feet below ground surface

TPH-E total petroleum hydrocarbons - extractable

ORO oil range organics

DRO diesel range organics

PNAs polynuclear aromatics

VOCs volatile organic compounds

mg/kg milligrams per kilogram

µg/kg micrograms per kilogram

NA not analyzed

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

H Sample was extracted outside the 14-day holding time, per client request.

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

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

Note: Samples BRN-068-B1@0-3' and BRN-068-B2@0-3' were analyzed for PNAs and full suite VOCs; however, only analytes with reportable concentrations were included in the table.

FIGURES



FIGURE 1

TITLE:

**PROJECT LOCATION MAP
-SHOWING-
1 SUNSHINE LN
APN: 012-302-14
RENO, WASHOE COUNTY, NV**

JOB NO.:
BRN068

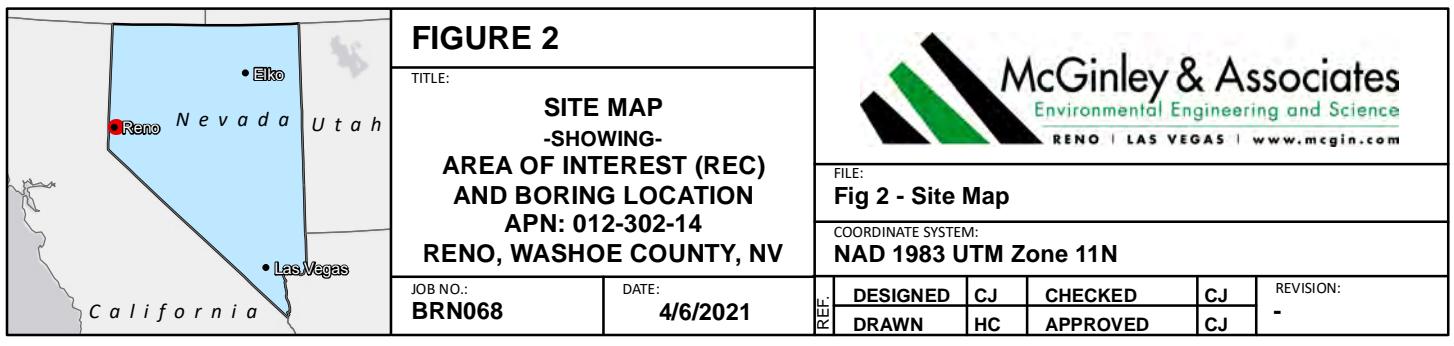
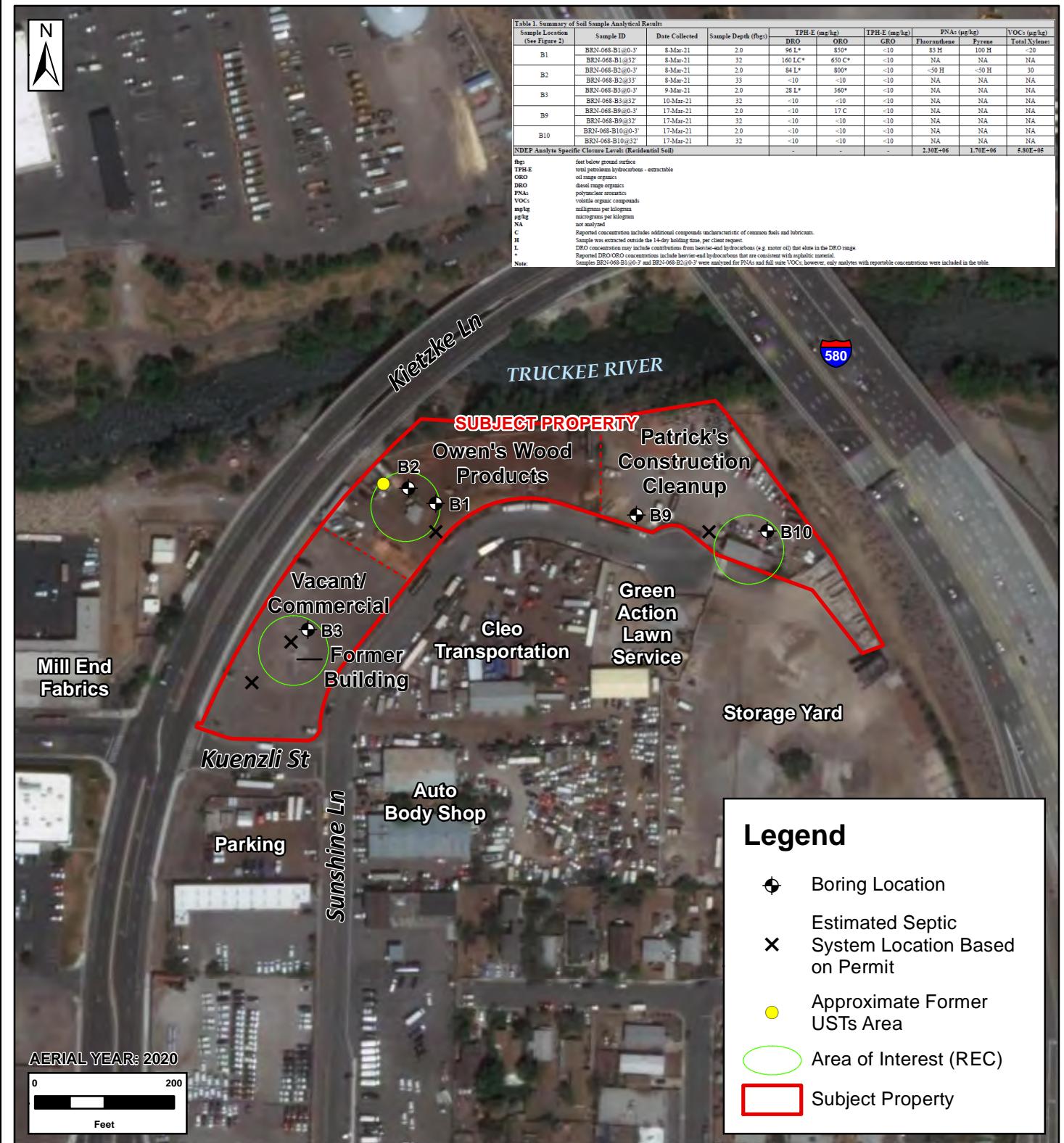
DATE:
3/23/2021



FILE:
Fig 1 - Project Location Map

COORDINATE SYSTEM:
NAD 1983 UTM Zone 11N

REF.	DESIGNED	AH	CHECKED	AH	REVISION:
	DRAWN	HC	APPROVED	CJ	-



APPENDIX A

Boring Logs

Borehole ID: B1

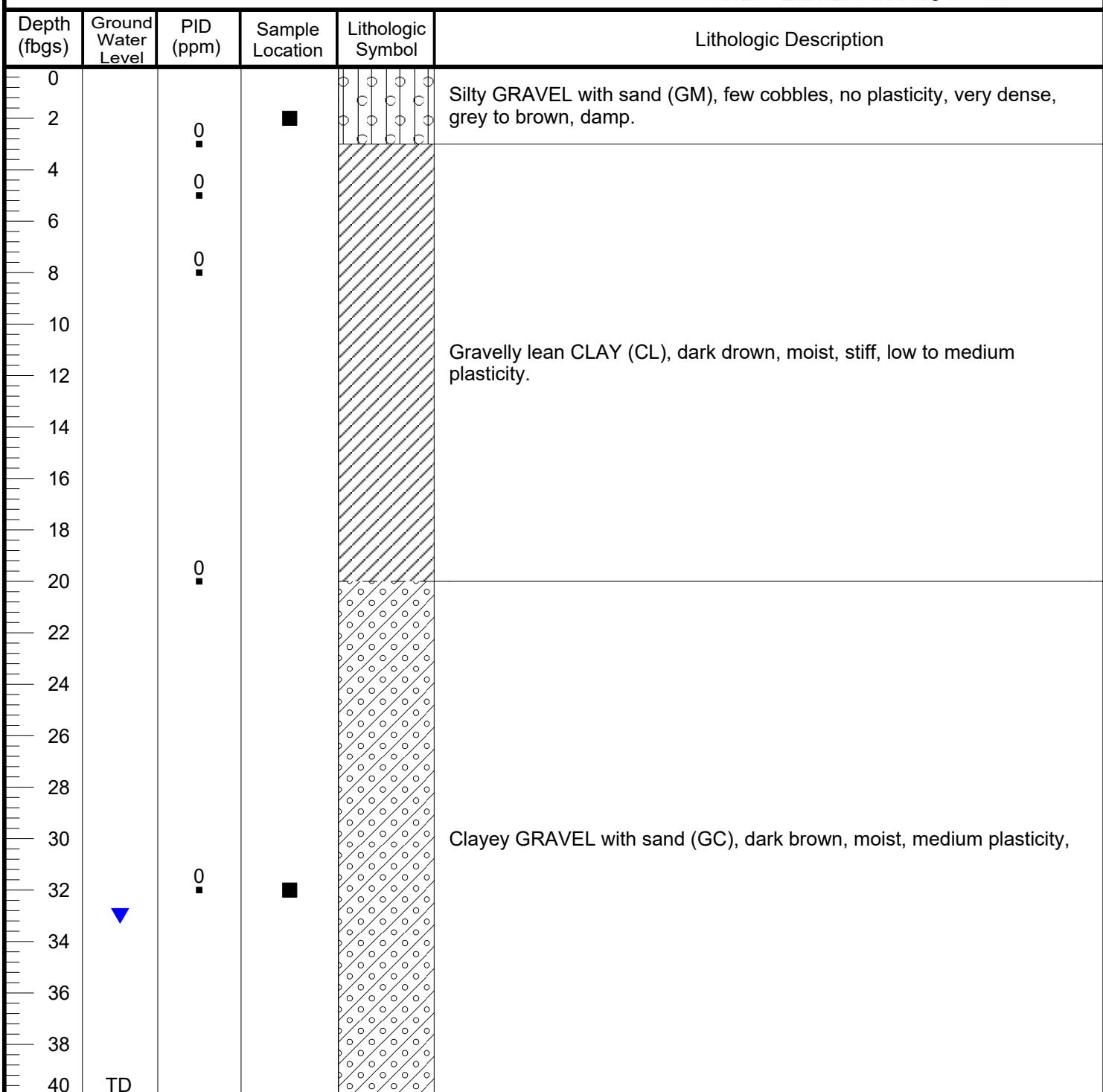
Project Number: BRN068

Project Name: Brownfields - Sunshine Lane

Location: APN 012-302-14

Project Manager: C. Jelle

Logged By: D. Parcells



Driller: Gregory

Drilling Method: Sonic

Date: 3/8/2021

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: B2

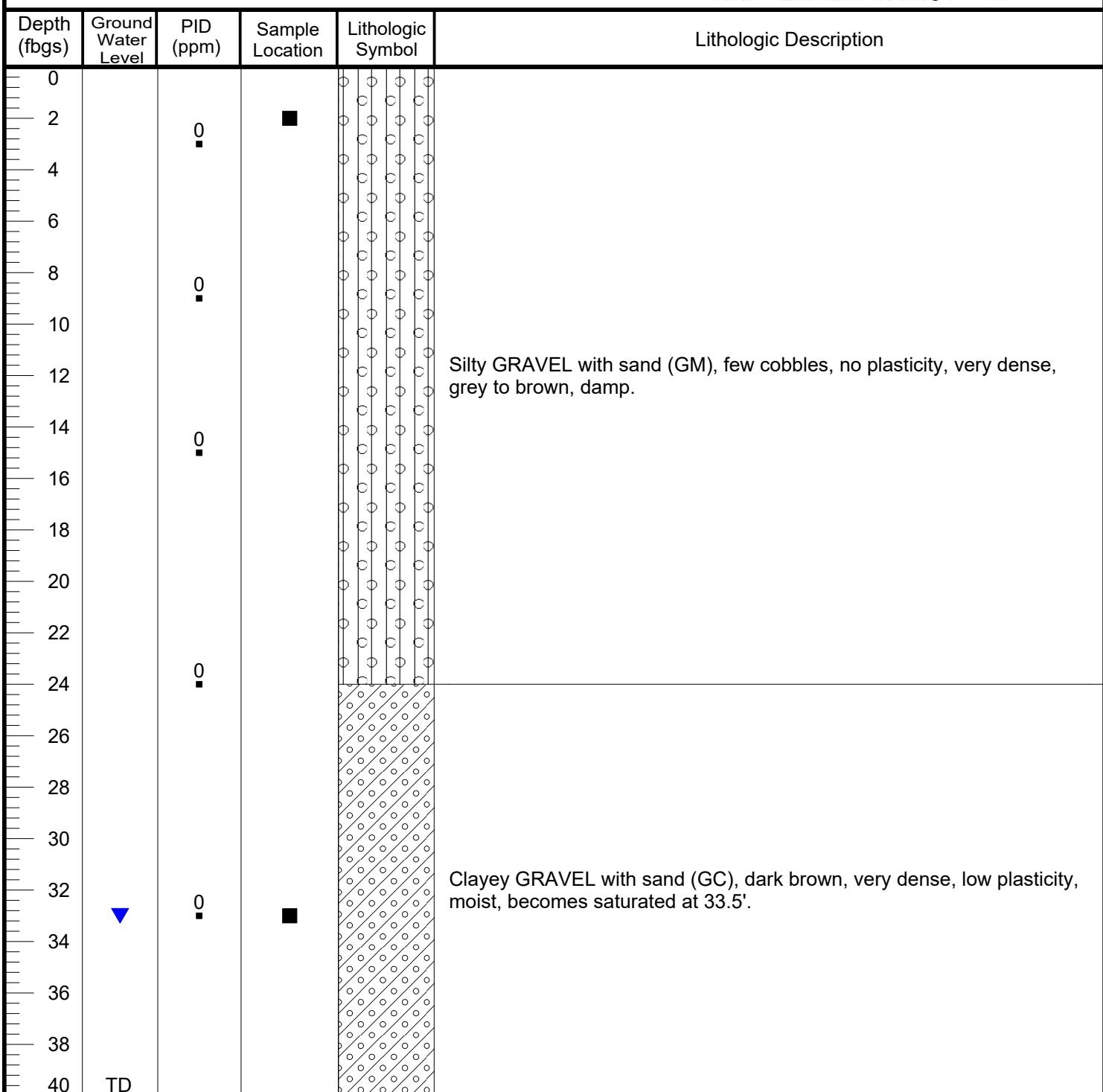
Project Number: BRN068

Project Name: Brownfields - Sunshine Lane

Location: APN 012-302-14

Project Manager: C. Jelle

Logged By: D. Parcells



Driller: Gregory

Drilling Method: Sonic

Date: 3/8/2021

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: B3

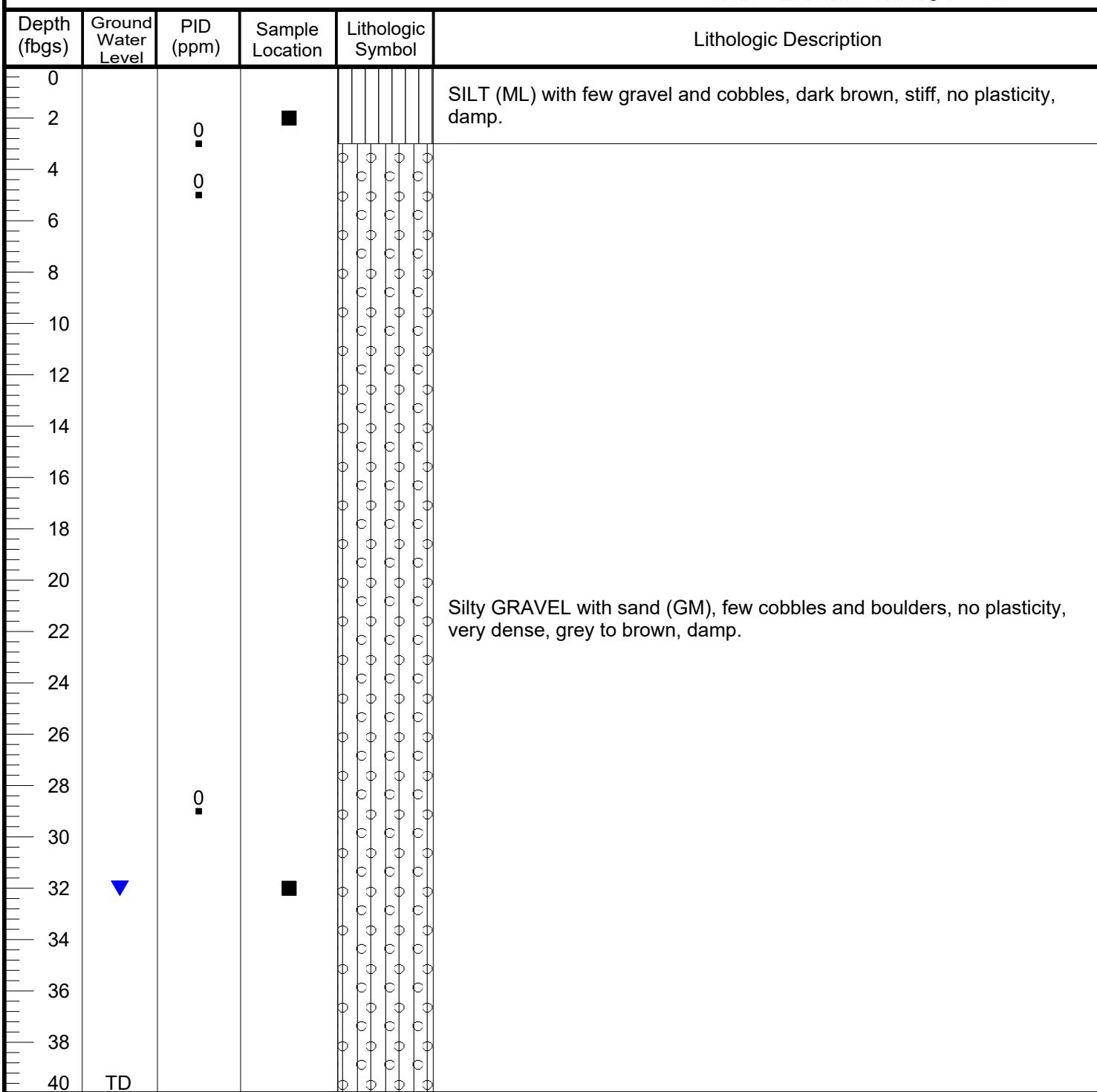
Project Number: BRN068

Project Name: Brownfields - Sunshine Lane

Location: APN 012-302-14

Project Manager: C. Jelle

Logged By: D. Parcells



Driller: Gregory

Drilling Method: Sonic

Date: 3/9/2021

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: B9

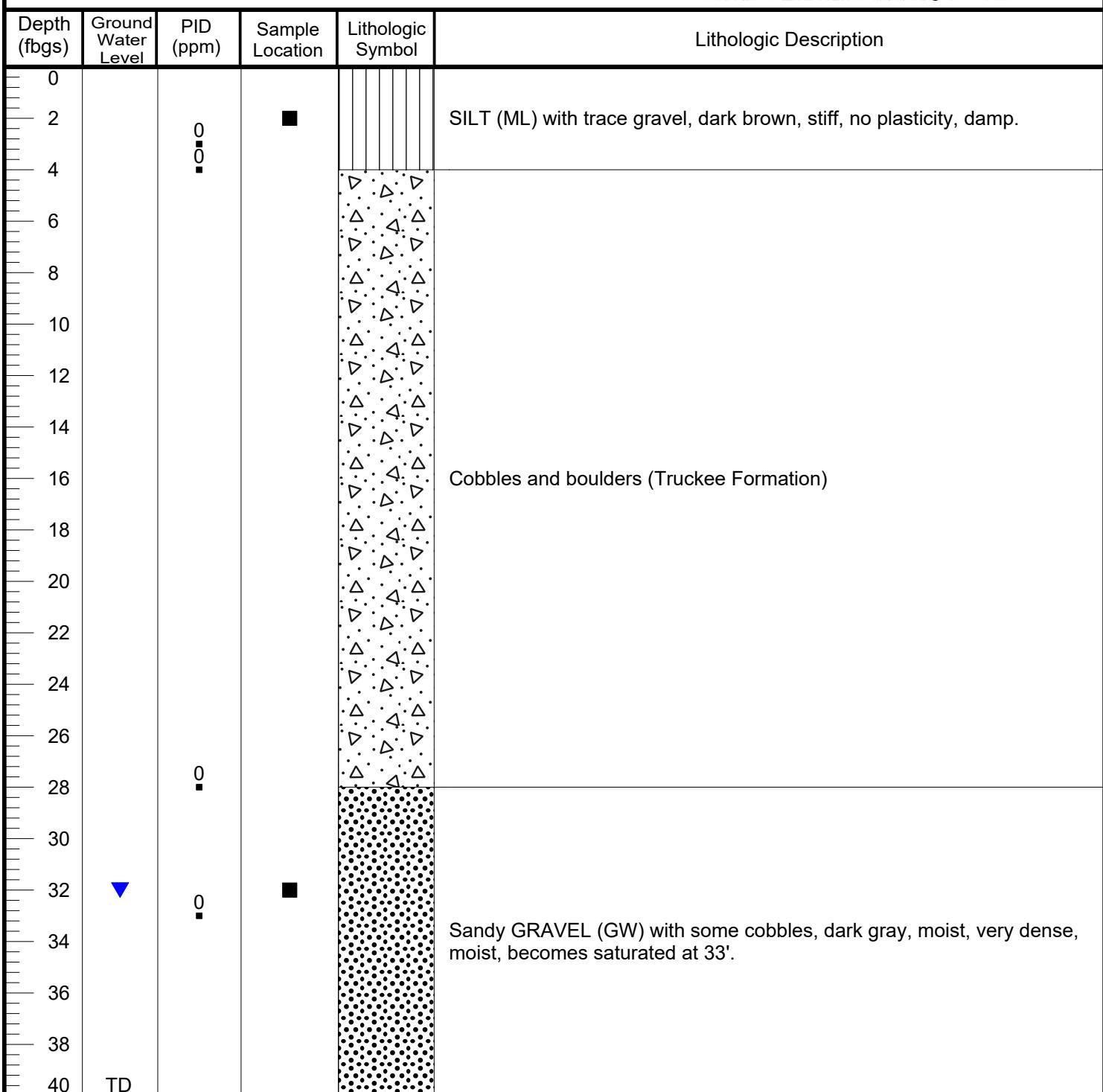
Project Number: BRN068

Project Name: Brownfields - Sunshine Lane

Location: APN 012-302-14

Project Manager: C. Jelle

Logged By: D. Parcells



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: B10

Project Number: BRN068

Project Name: Brownfields - Sunshine Lane

Location: APN 012-302-14

Project Manager: C. Jelle

Logged By: D. Parcells



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Depth (fbgs)	Ground Water Level	PID (ppm)	Sample Location	Lithologic Symbol	Lithologic Description
0					
2		0	■		SILT (ML) with few cobbles, dark brown, stiff, no plasticity, damp.
4					
6					
8					
10		0	■		
12					
14					Cobbles and boulders (Truckee Formation)
16					
18					
20		0	■		
22					
24		0	■		
26					
28					
30					
32			▼		Well graded SAND (SW) with silt and gravel and trace cobbles, dark brown, no plasticity, dense, wet, becomes saturated at 33'.
34			■		
36					
38					
40			TD		

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 Photoionization 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: 012-302-14 APN/BRN-068

Order No.: MGA2103077

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



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/8/2021 11:10:00 AM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-01 **Matrix:** SOIL
Client Sample ID: BRN-068-B1@0-3'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Naphthalene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
2-Methylnaphthalene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
1-Methylnaphthalene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Acenaphthylene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Acenaphthene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Fluorene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Phenanthrene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Anthracene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Fluoranthene	83	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Pyrene	100	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(a)anthracene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Chrysene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(b&k)fluoranthene, isomeric pair	ND	100	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(a)pyrene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Indeno(1,2,3-cd)pyrene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Dibenz(a,h)anthracene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(g,h,i)perylene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Surr: 2-Fluorobiphenyl	83	52-130	H	%Rec	4/1/2021	PNAs by EPA 8270SIM
Surr: 4-Terphenyl-d14	104	54-158	H	%Rec	4/1/2021	PNAs by EPA 8270SIM

NOTES:

H=Sample was extracted outside the 14-day holding time, per client request.

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

TPH-E (DRO)	96	25	L	mg/Kg	3/18/2021	TPH-E by EPA 8015C
TPH-E (ORO)	850	50		mg/Kg	3/18/2021	TPH-E by EPA 8015C
Surr: Nonane	92	66-134		%Rec	3/18/2021	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	3/18/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	101	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	120	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Chloromethane	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
Vinyl chloride	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Chloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Bromomethane	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
Trichlorofluoromethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,1-Dichloroethene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Dichloromethane	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
trans-1,2-Dichloroethene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Methyl tert-butyl ether (MTBE)	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,1-Dichloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
cis-1,2-Dichloroethene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Bromochloromethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Chloroform	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
2,2-Dichloropropane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/8/2021 11:10:00 AM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-01 **Matrix:** SOIL
Client Sample ID: BRN-068-B1@0-3'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dichloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,1,1-Trichloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,1-Dichloropropene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Carbon tetrachloride	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Benzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Dibromomethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2-Dichloropropane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Trichloroethene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Bromodichloromethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
cis-1,3-Dichloropropene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
trans-1,3-Dichloropropene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,1,2-Trichloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Toluene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,3-Dichloropropane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Dibromochloromethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2-Dibromoethane (EDB)	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
Tetrachloroethene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,1,1,2-Tetrachloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Chlorobenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Ethylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
m,p-Xylene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Bromoform	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Styrene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
o-Xylene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,1,2,2-Tetrachloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2,3-Trichloropropane	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
Isopropylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Bromobenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
n-Propylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
4-Chlorotoluene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
2-Chlorotoluene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,3,5-Trimethylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
tert-Butylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2,4-Trimethylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
sec-Butylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,3-Dichlorobenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,4-Dichlorobenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
4-Isopropyltoluene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2-Dichlorobenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
n-Butylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	120		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2,4-Trichlorobenzene	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
Naphthalene	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
Hexachlorobutadiene	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2,3-Trichlorobenzene	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
Surr: 1,2-Dichloroethane-d4	96	70-130	%Rec	3/18/2021	VOCs by EPA 8260B	Page 3 of 42
Surr: Toluene-d8	101	70-130	%Rec	3/18/2021	VOCs by EPA 8260B	
Surr: 4-Bromofluorobenzene	120	70-130	%Rec	3/18/2021	VOCs by EPA 8260B	



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Website: www.alpha-analytical.com

Analytical Report

WO#: MGA2103077
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/8/2021 11:10:00 AM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-01 **Matrix:** SOIL
Client Sample ID: BRN-068-B1@0-3'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
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Analytical Report

WO#: MGA2103077
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/8/2021 1:10:00 PM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-02 **Matrix:** SOIL
Client Sample ID: BRN-068-B1@32'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	160	25	LC	mg/Kg	3/18/2021	TPH-E by EPA 8015C
TPH-E (ORO)	650	50	C	mg/Kg	3/18/2021	TPH-E by EPA 8015C
Surr: Nonane	97	66-134		%Rec	3/18/2021	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	3/18/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/8/2021 1:00:00 PM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-03 **Matrix:** AQUEOUS
Client Sample ID: BRN-068-B1-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103077
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/8/2021 1:00:00 PM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-03 **Matrix:** AQUEOUS
Client Sample ID: BRN-068-B1-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	92	70-130		%Rec	3/15/2021	VOCs by EPA 8260
Surr: Toluene-d8	104	70-130		%Rec	3/15/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	3/15/2021	VOCs by EPA 8260



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/8/2021 2:25:00 PM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-04 **Matrix:** SOIL
Client Sample ID: BRN-068-B2@0-3'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Naphthalene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
2-Methylnaphthalene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
1-Methylnaphthalene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Acenaphthylene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Acenaphthene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Fluorene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Phenanthrene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Anthracene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Fluoranthene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Pyrene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(a)anthracene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Chrysene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(b&k)fluoranthene, isomeric pair	ND	100	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(a)pyrene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Indeno(1,2,3-cd)pyrene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Dibenz(a,h)anthracene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Benzo(g,h,i)perylene	ND	50	H	µg/Kg	4/1/2021	PNAs by EPA 8270SIM
Surr: 2-Fluorobiphenyl	80	52-130	H	%Rec	4/1/2021	PNAs by EPA 8270SIM
Surr: 4-Terphenyl-d14	93	54-158	H	%Rec	4/1/2021	PNAs by EPA 8270SIM

NOTES:

H=Sample was extracted outside the 14-day holding time, per client request.

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

TPH-E (DRO)	84	25	L	mg/Kg	3/18/2021	TPH-E by EPA 8015C
TPH-E (ORO)	800	50		mg/Kg	3/18/2021	TPH-E by EPA 8015C
Surr: Nonane	89	66-134		%Rec	3/18/2021	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	3/18/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	99	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Chloromethane	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
Vinyl chloride	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Chloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Bromomethane	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
Trichlorofluoromethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,1-Dichloroethene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Dichloromethane	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
trans-1,2-Dichloroethene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Methyl tert-butyl ether (MTBE)	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,1-Dichloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
cis-1,2-Dichloroethene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Bromochloromethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Chloroform	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
2,2-Dichloropropane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/8/2021 2:25:00 PM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-04 **Matrix:** SOIL
Client Sample ID: BRN-068-B2@0-3'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dichloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,1,1-Trichloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,1-Dichloropropene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Carbon tetrachloride	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Benzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Dibromomethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2-Dichloropropane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Trichloroethene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Bromodichloromethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
cis-1,3-Dichloropropene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
trans-1,3-Dichloropropene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,1,2-Trichloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Toluene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,3-Dichloropropane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Dibromochloromethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2-Dibromoethane (EDB)	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
Tetrachloroethene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,1,1,2-Tetrachloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Chlorobenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Ethylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
m,p-Xylene	30	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Bromoform	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Styrene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
o-Xylene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,1,2,2-Tetrachloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2,3-Trichloropropane	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
Isopropylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
Bromobenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
n-Propylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
4-Chlorotoluene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
2-Chlorotoluene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,3,5-Trimethylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
tert-Butylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2,4-Trimethylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
sec-Butylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,3-Dichlorobenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,4-Dichlorobenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
4-Isopropyltoluene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2-Dichlorobenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
n-Butylbenzene	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	120		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2,4-Trichlorobenzene	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
Naphthalene	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
Hexachlorobutadiene	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
1,2,3-Trichlorobenzene	ND	80		µg/Kg	3/18/2021	VOCs by EPA 8260B
Surr: 1,2-Dichloroethane-d4	96	70-130	%Rec		3/18/2021	VOCs by EPA 8260B
Surr: Toluene-d8	99	70-130	%Rec		3/18/2021	VOCs by EPA 8260B
Surr: 4-Bromofluorobenzene	118	70-130	%Rec		3/18/2021	VOCs by EPA 8260B



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Website: www.alpha-analytical.com

Analytical Report

WO#: MGA2103077
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/8/2021 2:25:00 PM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-04 **Matrix:** SOIL
Client Sample ID: BRN-068-B2@0-3'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
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Analytical Report

WO#: MGA2103077
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/8/2021 3:40:00 PM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-05 **Matrix:** SOIL
Client Sample ID: BRN-068-B2@33'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	10		mg/Kg	3/17/2021	TPH-E by EPA 8015C
TPH-E (ORO)	ND	10		mg/Kg	3/17/2021	TPH-E by EPA 8015C
Surr: Nonane	91	66-134		%Rec	3/17/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	10		mg/Kg	3/18/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	120	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/8/2021 3:50:00 PM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-06 **Matrix:** AQUEOUS
Client Sample ID: BRN-068-B2-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103077
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/8/2021 3:50:00 PM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-06 **Matrix:** AQUEOUS
Client Sample ID: BRN-068-B2-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	93	70-130		%Rec	3/15/2021	VOCs by EPA 8260
Surr: Toluene-d8	104	70-130		%Rec	3/15/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	3/15/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103077
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/9/2021 9:45:00 AM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-07 **Matrix:** SOIL
Client Sample ID: BRN-068-B3@0-3'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	28	10	L	mg/Kg	3/18/2021	TPH-E by EPA 8015C
TPH-E (ORO)	360	10		mg/Kg	3/18/2021	TPH-E by EPA 8015C
Surr: Nonane	96	66-134		%Rec	3/18/2021	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	3/18/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	97	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	101	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	3/18/2021	TPH-P by EPA 8015C



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Analytical Report

WO#: MGA2103077
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/10/2021 11:00:00 AM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-08 **Matrix:** SOIL
Client Sample ID: BRN-068-B3@32'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	10		mg/Kg	3/17/2021	TPH-E by EPA 8015C
TPH-E (ORO)	ND	10		mg/Kg	3/17/2021	TPH-E by EPA 8015C
Surr: Nonane	97	66-134		%Rec	3/17/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	10		mg/Kg	3/19/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	98	70-130		%Rec	3/19/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	3/19/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	3/19/2021	TPH-P by EPA 8015C



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/10/2021 11:10:00 AM
Project: 012-302-14 APN/BRN-068 **Matrix:** AQUEOUS
Lab ID: 2103077-09
Client Sample ID: BRN-068-B3-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/16/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/16/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/16/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/16/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/16/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103077
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/10/2021 11:10:00 AM
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-09 **Matrix:** AQUEOUS
Client Sample ID: BRN-068-B3-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/16/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/16/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/16/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/16/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/16/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/16/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	97	70-130		%Rec	3/16/2021	VOCs by EPA 8260
Surr: Toluene-d8	101	70-130		%Rec	3/16/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	3/16/2021	VOCs by EPA 8260



CLIENT: McGinley & Associates, Inc.
Project: 012-302-14 APN/BRN-068
Lab ID: 2103077-10
Client Sample ID: BRN-068-Trip Blank

Collection Date: 3/10/2021

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103077
Report Date: 4/6/2021

CLIENT: McGinley & Associates, Inc.

Collection Date: 3/10/2021

Project: 012-302-14 APN/BRN-068

Lab ID: 2103077-10

Matrix: AQUEOUS

Client Sample ID: BRN-068-Trip Blank

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/15/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	92	70-130		%Rec	3/15/2021	VOCs by EPA 8260
Surr: Toluene-d8	104	70-130		%Rec	3/15/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	3/15/2021	VOCs by EPA 8260



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QC SUMMARY REPORT

WO#: 2103077
06-Apr-21

Client: McGinley & Associates, Inc.
Project: 012-302-14 APN/BRN-068

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: 012-302-14 APN/BRN-068

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: 012-302-14 APN/BRN-068

TestCode: TPH/E_S

Sample ID: MB-12565		SampType: MBLK			TestCode: TPH/E_S			Units: mg/Kg			
Client ID: PBS		Batch ID: 12565			TestNo: SW8015			SW8015			
Prep Date: 3/17/2021		RunNo: 11164			SeqNo: 315016						
Analysis Date: 3/17/2021											
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		91.8	66	134				

Sample ID: LCS-12565		SampType: LCS			TestCode: TPH/E_S			Units: mg/Kg			
Client ID: LCSS		Batch ID: 12565			TestNo: SW8015			SW8015			
Prep Date: 3/17/2021		RunNo: 11164			SeqNo: 315017						
Analysis Date: 3/17/2021											
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: 2103077-05AMSD		SampType: MSD			TestCode: TPH/E_S			Units: mg/Kg			
Client ID: BRN-068-B2@33'MSD		Batch ID: 12565			TestNo: SW8015			SW8015			
Prep Date: 3/17/2021		RunNo: 11164			SeqNo: 315020						
Analysis Date: 3/17/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	106	5	100	2.69	103	59.8	136	107	0.63	37.9	
Surr: Nonane	5.77		6		96.2	63	134	5.74	0	0	

Sample ID: 2103077-05AMS		SampType: MS			TestCode: TPH/E_S			Units: mg/Kg			
Client ID: BRN-068-B2@33'MS		Batch ID: 12565			TestNo: SW8015			SW8015			
Prep Date: 3/17/2021		RunNo: 11164			SeqNo: 315019						
Analysis Date: 3/17/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	107	5	100	2.69	104	59.8	136				
Surr: Nonane	5.74		6		95.6	63	134				



Client: McGinley & Associates, Inc.
Project: 012-302-14 APN/BRN-068

TestCode: TPH/P_S

Sample ID: MBLK			SampType: MBLK			TestCode: TPH/P_S			Units: mg/Kg		
Client ID: PBS			Batch ID: A12550B			TestNo: SW8015					
Prep Date: 3/18/2021			RunNo: 11167			SeqNo: 315063					
Analysis Date: 3/18/2021											
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	0.18		0.2		91.2	69.51	130.49				
Surr: Toluene-d8	0.2		0.2		101	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.21		0.2		104	69.51	130.49				

Sample ID: GLCS			SampType: GLCS			TestCode: TPH/P_S			Units: mg/Kg		
Client ID: BatchQC			Batch ID: A12550B			TestNo: SW8015					
Prep Date: 3/18/2021			RunNo: 11167			SeqNo: 315060					
Analysis Date: 3/18/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	18	2	16	0	112	64.64	146.49				
Surr: 1,2-Dichloroethane-d4	0.39		0.4		97.5	69.51	130.49				
Surr: Toluene-d8	0.409		0.4		102	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.415		0.4		104	69.51	130.49				

Sample ID: GSD			SampType: GSD			TestCode: TPH/P_S			Units: mg/Kg		
Client ID: BRN-068-B1@0-3'			Batch ID: A12550B			TestNo: SW8015					
Prep Date: 3/18/2021			RunNo: 11167			SeqNo: 315062					
Analysis Date: 3/18/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	17.5	2	16	0	109	57.6	179	17.3	1.2	19.4	
Surr: 1,2-Dichloroethane-d4	0.378		0.4		94.4	69.51	130.49	0.364	0	0	
Surr: Toluene-d8	0.41		0.4		102	69.51	130.49	0.406	0	0	
Surr: 4-Bromofluorobenzene	0.423		0.4		106	69.51	130.49	0.415	0	0	

Sample ID: GS			SampType: GS			TestCode: TPH/P_S			Units: mg/Kg		
Client ID: BRN-068-B1@0-3'			Batch ID: A12550B			TestNo: SW8015					
Prep Date: 3/18/2021			RunNo: 11167			SeqNo: 315061					
Analysis Date: 3/18/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	17.3	2	16	0	108	57.6	179				
Surr: 1,2-Dichloroethane-d4	0.364		0.4		90.9	69.51	130.49				
Surr: Toluene-d8	0.406		0.4		101	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.415		0.4		104	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#: 2103077

06-Apr-21

Client: McGinley & Associates, Inc.
Project: 012-302-14 APN/BRN-068

TestCode: TPH/P_S

Sample ID: 2103077-01AGS	SampType: GS	TestCode: TPH/P_S	Units: mg/Kg								
Client ID: BRN-068-B1@0-3'	Batch ID: A12550B	TestNo: SW8015									
Prep Date: 3/18/2021	RunNo: 11167	SeqNo: 315061									
Analysis Date: 3/18/2021											
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#: 2103077
06-Apr-21

Client: McGinley & Associates, Inc.
Project: 012-302-14 APN/BRN-068

TestCode: VOC_S

Sample ID: MB-12550		SampType: MBLK		TestCode: VOC_S		Units: µg/Kg					
Client ID: PBS		Batch ID: A12550		TestNo: SW8260C							
Prep Date: 3/18/2021		RunNo: 11167		SeqNo: 315046							
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#: 2103077

06-Apr-21

Client: McGinley & Associates, Inc.
Project: 012-302-14 APN/BRN-068

TestCode: VOC_S

Sample ID: MB-12550		SampType: MBLK			TestCode: VOC_S			Units: µg/Kg		
Client ID: PBS		Batch ID: A12550			TestNo: SW8260C					
Prep Date: 3/18/2021		RunNo: 11167			SeqNo: 315046					
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	180		200		91.2	69.51	130.49			
Surr: Toluene-d8	200		200		101	69.51	130.49			
Surr: 4-Bromofluorobenzene	210		200		104	69.51	130.49			

Sample ID: LCS-12550		SampType: LCSD			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS02		Batch ID: A12550			TestNo: SW8260C					
Prep Date: 3/18/2021		RunNo: 11167			SeqNo: 315045					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit Qual
Dichlorodifluoromethane	341	40	400	0	85.2	5.79	172			
Chloromethane	330	80	400	0	82.5	5.73	179			
Vinyl chloride	315	40	400	0	78.8	37.8	194			
Chloroethane	78.8	40	400	0	19.7	13.4	120.4			
Bromomethane	167	80	400	0	41.8	7.97	129			
Trichlorofluoromethane	117	40	400	0	29.2	2.11	120.4			
1,1-Dichloroethene	366	40	400	0	91.6	31.3	154			
Dichloromethane	356	80	400	0	89.1	45.9	180			
trans-1,2-Dichloroethene	360	40	400	0	89.9	52.1	140			

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: 012-302-14 APN/BRN-068

TestCode: VOC_S

Sample ID: LCS-12550			SampType: LCSD			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS02			Batch ID: A12550			TestNo: SW8260C					
Prep Date: 3/18/2021			RunNo: 11167			SeqNo: 315045					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	372	10	400	0	93.1	34.9	139				
1,1-Dichloroethane	328	40	400	0	82.0	53.8	140				
cis-1,2-Dichloroethene	348	40	400	0	87.1	54.6	133				
Bromochloromethane	366	40	400	0	91.6	56.5	138				
Chloroform	344	40	400	0	86.1	53.3	126				
2,2-Dichloropropane	201	40	400	0	50.2	20.9	147				
1,2-Dichloroethane	339	40	400	0	84.8	56.8	132				
1,1,1-Trichloroethane	368	40	400	0	92.1	44.1	133				
1,1-Dichloropropene	348	40	400	0	87.0	55	141				
Carbon tetrachloride	349	40	400	0	87.2	20	133				
Benzene	333	10	400	0	83.1	59.1	135				
Dibromomethane	353	40	400	0	88.2	54.7	128				
1,2-Dichloropropane	329	40	400	0	82.2	59	134				
Trichloroethene	353	40	400	0	88.2	54.8	136				
Bromodichloromethane	320	40	400	0	80.1	31.5	128				
cis-1,3-Dichloropropene	317	40	400	0	79.4	32.8	133				
trans-1,3-Dichloropropene	325	40	400	0	81.1	31.8	134				
1,1,2-Trichloroethane	324	40	400	0	81.0	61.2	141				
Toluene	321	10	400	0	80.3	45.6	133				
1,3-Dichloropropene	309	40	400	0	77.2	57.2	132				
Dibromochloromethane	325	40	400	0	81.2	30	133				
1,2-Dibromoethane (EDB)	690	80	800	0	86.3	55.6	130				
Tetrachloroethene	357	40	400	0	89.2	36.1	139				
1,1,1,2-Tetrachloroethane	342	40	400	0	85.5	44.5	135				
Chlorobenzene	344	40	400	0	86.1	56.4	134				
Ethylbenzene	346	10	400	0	86.5	50.1	135				
m,p-Xylene	347	10	400	0	86.8	54.1	137				
Bromoform	308	40	400	0	77.0	35.5	136				
Styrene	340	40	400	0	84.9	63.2	141				
o-Xylene	350	10	400	0	87.6	59.3	134				
1,1,2,2-Tetrachloroethane	303	40	400	0	75.7	36.7	184				
1,2,3-Trichloropropane	656	80	800	0	81.9	45.7	188				
Isopropylbenzene	360	40	400	0	89.9	44.5	129				
Bromobenzene	353	40	400	0	88.1	47.7	127				
n-Propylbenzene	361	40	400	0	90.2	50.5	129				
4-Chlorotoluene	334	40	400	0	83.6	31.1	149				
2-Chlorotoluene	346	40	400	0	86.4	52.3	128				
1,3,5-Trimethylbenzene	374	40	400	0	93.5	52.2	132				
tert-Butylbenzene	364	40	400	0	91.0	53.9	129				
1,2,4-Trimethylbenzene	363	40	400	0	90.6	55.6	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: 012-302-14 APN/BRN-068

TestCode: VOC_S

Sample ID: LCS-12550			SampType: LCSD			TestCode: VOC_S			Units: µg/Kg		
Client ID: LCSS02			Batch ID: A12550			TestNo: SW8260C					
Prep Date: 3/18/2021			RunNo: 11167			SeqNo: 315045					
Analysis Date: 3/18/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	357	40	400	0	89.2	56.7	129				
1,3-Dichlorobenzene	334	40	400	0	83.4	55.9	130				
1,4-Dichlorobenzene	333	40	400	0	83.4	52.6	132				
4-Isopropyltoluene	364	40	400	0	91.0	57.5	132				
1,2-Dichlorobenzene	311	40	400	0	77.8	56.6	127				
n-Butylbenzene	344	40	400	0	86.0	59.3	133				
1,2-Dibromo-3-chloropropane (DBCP)	1510	120	2000	0	75.7	33.1	132				
1,2,4-Trichlorobenzene	311	80	400	0	77.8	41.5	146				
Naphthalene	288	80	400	0	71.9	19.3	164				
Hexachlorobutadiene	617	80	800	0	77.2	44.6	142				
1,2,3-Trichlorobenzene	284	80	400	0	70.9	21.8	160				
Surr: 1,2-Dichloroethane-d4	394		400		98.5	69.51	130.4				
Surr: Toluene-d8	400		400		100	69.51	130.4				
Surr: 4-Bromofluorobenzene	398		400		99.5	69.51	130.4				

Sample ID: 2103069-01AMSD			SampType: MSD			TestCode: VOC_S			Units: µg/Kg		
Client ID: BatchQC			Batch ID: A12550			TestNo: SW8260C					
Prep Date: 3/18/2021			RunNo: 11167			SeqNo: 315044					
Analysis Date: 3/18/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	248	40	400	0	61.9	6.84	152	124	66	36.9	R
Chloromethane	304	80	400	0	75.9	11.3	167	222	31	27.1	R
Vinyl chloride	299	40	400	0	74.6	21.4	183	244	20	27.3	
Chloroethane	77.5	40	400	0	19.4	2.79	108	66.9	15	33.6	
Bromomethane	169	80	400	0	42.2	2.99	142	147	14	43.8	
Trichlorofluoromethane	113	40	400	0	28.2	13.5	41.8	114	1.2	39	
1,1-Dichloroethene	351	40	400	0	87.7	12	159	334	4.8	38.6	
Dichloromethane	340	80	400	0	85.0	57.7	149	338	0.52	29.3	
trans-1,2-Dichloroethene	353	40	400	0	88.1	51	140	337	4.4	34	
Methyl tert-butyl ether (MTBE)	372	10	400	0	93.1	37	141	357	4.1	27	
1,1-Dichloroethane	325	40	400	0	81.3	58	132	316	2.9	24.6	
cis-1,2-Dichloroethene	342	40	400	0	85.4	57.8	133	337	1.2	24.7	
Bromochloromethane	365	40	400	0	91.3	57.9	138	344	5.8	25.9	
Chloroform	347	40	400	0	86.8	56.3	127	340	2.1	23.5	
2,2-Dichloropropane	191	40	400	0	47.6	32.7	147	189	1.1	26.1	
1,2-Dichloroethane	326	40	400	0	81.5	57.5	126	324	0.7	23.2	
1,1,1-Trichloroethane	372	40	400	0	93.0	49.8	135	359	3.6	27	
1,1-Dichloropropene	343	40	400	0	85.7	60.3	137	332	3.2	27.1	

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: 012-302-14 APN/BRN-068

TestCode: VOC_S

Sample ID: 2103069-01AMSD			SampType: MSD			TestCode: VOC_S			Units: µg/Kg		
Client ID: BatchQC			Batch ID: A12550			TestNo: SW8260C					
Prep Date: 3/18/2021			RunNo: 11167			SeqNo: 315044					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	360	40	400	0	90.0	24.3	147	348	3.5	29.4	
Benzene	329	10	400	0	82.3	62.9	132	320	2.8	24.1	
Dibromomethane	344	40	400	0	86.1	54.5	130	335	2.6	22.7	
1,2-Dichloropropane	329	40	400	0	82.2	63	130	324	1.6	23.5	
Trichloroethene	341	40	400	0	85.3	56.3	138	320	6.3	24.2	
Bromodichloromethane	320	40	400	0	79.9	37	135	311	2.7	24.4	
cis-1,3-Dichloropropene	314	40	400	0	78.5	37.3	144	309	1.7	24.3	
trans-1,3-Dichloropropene	321	40	400	0	80.3	36.5	148	310	3.7	24.3	
1,1,2-Trichloroethane	322	40	400	0	80.4	64	131	321	0.11	22	
Toluene	328	10	400	0	82.0	56.4	133	319	2.9	24.1	
1,3-Dichloropropane	316	40	400	0	78.9	38.9	148	306	3	23.2	
Dibromochloromethane	339	40	400	0	84.8	37.4	139	327	3.6	26	
1,2-Dibromoethane (EDB)	698	80	800	0	87.3	61.7	130	684	2.1	23.4	
Tetrachloroethene	351	40	400	0	87.8	42.2	146	349	0.77	26.5	
1,1,1,2-Tetrachloroethane	358	40	400	0	89.6	52.4	140	350	2.3	24.9	
Chlorobenzene	344	40	400	0	85.9	65.1	134	335	2.4	23.1	
Ethylbenzene	351	10	400	0	87.6	60.6	137	346	1.4	24.4	
m,p-Xylene	356	10	400	0	89.1	60.8	143	350	1.8	23.7	
Bromoform	337	40	400	0	84.1	47.1	127	324	3.9	26.6	
Styrene	337	40	400	0	84.3	71.9	140	333	1.4	24.6	
o-Xylene	365	10	400	0	91.1	63.6	145	349	4.4	24.9	
1,1,2,2-Tetrachloroethane	342	40	400	0	85.4	49.8	160	355	3.9	27.9	
1,2,3-Trichloropropane	657	80	800	0	82.1	54.2	164	640	2.6	24.6	
Isopropylbenzene	370	40	400	0	92.4	46.4	153	365	1.3	23	
Bromobenzene	346	40	400	0	86.5	49.2	143	338	2.5	21.5	
n-Propylbenzene	369	40	400	0	92.3	53.7	147	373	0.94	24.7	
4-Chlorotoluene	332	40	400	0	83.0	62.8	141	329	0.9	23	
2-Chlorotoluene	351	40	400	0	87.7	57.7	143	341	2.8	23.1	
1,3,5-Trimethylbenzene	387	40	400	0	96.8	56	149	378	2.5	25.2	
tert-Butylbenzene	384	40	400	0	96.1	56.6	148	383	0.47	24.2	
1,2,4-Trimethylbenzene	380	40	400	0	94.9	59.6	144	373	1.8	28	
sec-Butylbenzene	370	40	400	0	92.5	50.7	160	369	0.15	26.6	
1,3-Dichlorobenzene	327	40	400	0	81.7	62.1	138	330	1.1	24.8	
1,4-Dichlorobenzene	332	40	400	0	82.9	59.2	140	324	2.3	23.8	
4-Isopropyltoluene	385	40	400	0	96.3	51.8	162	375	2.6	25.6	
1,2-Dichlorobenzene	317	40	400	0	79.3	63	129	312	1.9	24.7	
n-Butylbenzene	373	40	400	0	93.2	55.9	157	380	1.9	24.2	
1,2-Dibromo-3-chloropropane (DBCP)	1760	120	2000	0	87.9	21.7	152	1660	5.9	24.3	
1,2,4-Trichlorobenzene	369	80	400	0	92.3	46.3	179	364	1.3	25.1	
Naphthalene	374	80	400	0	93.4	56.6	157	376	0.54	25.6	

- 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



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QC SUMMARY REPORT

WO#: 2103077

06-Apr-21

Client: McGinley & Associates, Inc.
Project: 012-302-14 APN/BRN-068

TestCode: VOC_S

Sample ID: 2103069-01AMSD			SampType: MSD			TestCode: VOC_S			Units: µg/Kg		
Client ID: BatchQC			Batch ID: A12550			TestNo: SW8260C					
Prep Date: 3/18/2021			RunNo: 11167			SeqNo: 315044					
Analysis Date: 3/18/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	768	80	800	0	95.9	45.2	184	804	4.6	24.6	
1,2,3-Trichlorobenzene	368	80	400	0	92.1	37.5	211	358	2.9	34.6	
Surr: 1,2-Dichloroethane-d4	396		400		99.0	69.51	130.49	393	0	0	
Surr: Toluene-d8	402		400		100	69.51	130.49	401	0	0	
Surr: 4-Bromofluorobenzene	409		400		102	69.51	130.49	405	0	0	

Sample ID: 2103069-01AMS			SampType: MS			TestCode: VOC_S			Units: µg/Kg		
Client ID: BatchQC			Batch ID: A12550			TestNo: SW8260C					
Prep Date: 3/18/2021			RunNo: 11167			SeqNo: 315043					
Analysis Date: 3/18/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	124	40	400	0	31.0	6.84	152				
Chloromethane	222	80	400	0	55.5	11.3	167				
Vinyl chloride	244	40	400	0	61.1	21.4	183				
Chloroethane	66.9	40	400	0	16.7	2.79	110				
Bromomethane	147	80	400	0	36.8	2.99	142				
Trichlorofluoromethane	114	40	400	0	28.5	13.5	41.8				
1,1-Dichloroethene	334	40	400	0	83.6	12	159				
Dichloromethane	338	80	400	0	84.6	57.7	149				
trans-1,2-Dichloroethene	337	40	400	0	84.4	51	140				
Methyl tert-butyl ether (MTBE)	357	10	400	0	89.3	37	141				
1,1-Dichloroethane	316	40	400	0	79.0	58	132				
cis-1,2-Dichloroethene	337	40	400	0	84.3	57.8	133				
Bromochloromethane	344	40	400	0	86.1	57.9	138				
Chloroform	340	40	400	0	85.0	56.3	127				
2,2-Dichloropropane	189	40	400	0	47.1	32.7	147				
1,2-Dichloroethane	324	40	400	0	80.9	57.5	126				
1,1,1-Trichloroethane	359	40	400	0	89.7	49.8	135				
1,1-Dichloropropene	332	40	400	0	83.1	60.3	137				
Carbon tetrachloride	348	40	400	0	86.9	24.3	147				
Benzene	320	10	400	0	80.0	62.9	132				
Dibromomethane	335	40	400	0	83.9	54.5	130				
1,2-Dichloropropane	324	40	400	0	80.9	63	130				
Trichloroethene	320	40	400	0	80.1	56.3	138				
Bromodichloromethane	311	40	400	0	77.7	37	135				
cis-1,3-Dichloropropene	309	40	400	0	77.1	37.3	144				
trans-1,3-Dichloropropene	310	40	400	0	77.4	36.5	148				
1,1,2-Trichloroethane	321	40	400	0	80.3	64	131				

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: 012-302-14 APN/BRN-068

TestCode: VOC_S

Sample ID: 2103069-01AMS			SampType: MS			TestCode: VOC_S			Units: µg/Kg		
Client ID: BatchQC			Batch ID: A12550			TestNo: SW8260C					
Prep Date: 3/18/2021			RunNo: 11167			SeqNo: 315043					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	319	10	400	0	79.6	56.4	133				
1,3-Dichloropropane	306	40	400	0	76.6	38.9	148				
Dibromochloromethane	327	40	400	0	81.7	37.4	139				
1,2-Dibromoethane (EDB)	684	80	800	0	85.5	61.7	130				
Tetrachloroethene	349	40	400	0	87.2	42.2	146				
1,1,1,2-Tetrachloroethane	350	40	400	0	87.5	52.4	140				
Chlorobenzene	335	40	400	0	83.9	65.1	134				
Ethylbenzene	346	10	400	0	86.4	60.6	137				
m,p-Xylene	350	10	400	0	87.5	60.8	143				
Bromoform	324	40	400	0	80.9	47.1	127				
Styrene	333	40	400	0	83.2	71.9	140				
o-Xylene	349	10	400	0	87.2	63.6	145				
1,1,2,2-Tetrachloroethane	355	40	400	0	88.8	49.8	160				
1,2,3-Trichloropropane	640	80	800	0	80.0	54.2	164				
Isopropylbenzene	365	40	400	0	91.2	46.4	153				
Bromobenzene	338	40	400	0	84.4	49.2	143				
n-Propylbenzene	373	40	400	0	93.2	53.7	147				
4-Chlorotoluene	329	40	400	0	82.3	62.8	141				
2-Chlorotoluene	341	40	400	0	85.2	57.7	143				
1,3,5-Trimethylbenzene	378	40	400	0	94.5	56	149				
tert-Butylbenzene	383	40	400	0	95.7	56.6	148				
1,2,4-Trimethylbenzene	373	40	400	0	93.3	59.6	144				
sec-Butylbenzene	369	40	400	0	92.4	50.7	160				
1,3-Dichlorobenzene	330	40	400	0	82.6	62.1	138				
1,4-Dichlorobenzene	324	40	400	0	81.0	59.2	140				
4-Isopropyltoluene	375	40	400	0	93.8	51.8	162				
1,2-Dichlorobenzene	312	40	400	0	77.9	63	129				
n-Butylbenzene	380	40	400	0	94.9	55.9	157				
1,2-Dibromo-3-chloropropane (DBCP)	1660	120	2000	0	82.9	21.7	152				
1,2,4-Trichlorobenzene	364	80	400	0	91.0	46.3	179				
Naphthalene	376	80	400	0	93.9	56.6	157				
Hexachlorobutadiene	804	80	800	0	100	45.2	184				
1,2,3-Trichlorobenzene	358	80	400	0	89.4	37.5	211				
Surr: 1,2-Dichloroethane-d4	393		400		98.1	69.51	130.49				
Surr: Toluene-d8	401		400		100	69.51	130.49				
Surr: 4-Bromofluorobenzene	405		400		101	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
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TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 2103077
06-Apr-21

Client: McGinley & Associates, Inc.
Project: 012-302-14 APN/BRN-068

TestCode: VOC_W

Sample ID: MBLK-12557		SampType: MBLK		TestCode: VOC_W		Units: µg/L					
Client ID: PBW		Batch ID: A12557		TestNo: SW8260C							
Prep Date: 3/15/2021		RunNo: 11149		SeqNo: 314727							
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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QC SUMMARY REPORT

WO#: 2103077

06-Apr-21

Client: McGinley & Associates, Inc.
Project: 012-302-14 APN/BRN-068

TestCode: VOC_W

Sample ID: MBLK-12557		SampType: MBLK		TestCode: VOC_W		Units: µg/L							
Client ID: PBW		Batch ID: A12557		TestNo: SW8260C									
Prep Date: 3/15/2021		RunNo: 11149		SeqNo: 314727									
Analysis Date: 3/15/2021		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		9.3		10		93.3		69.51	130.49				
Surr: Toluene-d8		10		10		100		69.51	130.49				
Surr: 4-Bromofluorobenzene		11		10		112		69.51	130.49				

Sample ID: LCS-12557		SampType: LCS		TestCode: VOC_W		Units: µg/L							
Client ID: LCSW		Batch ID: A12557		TestNo: SW8260C									
Prep Date: 3/15/2021		RunNo: 11149		SeqNo: 314726									
Analysis Date: 3/15/2021		Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane		13.8	1	10	0	138		16.9	124				S
Chloromethane		6.86	2	10	0	68.6		25.9	136				
Vinyl chloride		9.55	1	10	0	95.5		47.8	132				
Chloroethane		10.7	1	10	0	107		62.3	169				
Bromomethane		4.3	2	10	0	43.0		33.8	135				
Trichlorofluoromethane		8.44	1	10	0	84.4		16.8	155				
1,1-Dichloroethene		10.8	1	10	0	108		65.2	129				
Dichloromethane		8.9	2	10	0	89.0		65.2	129				
trans-1,2-Dichloroethene		10.2	1	10	0	102		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: 012-302-14 APN/BRN-068

TestCode: VOC_W

Sample ID: LCS-12557			SampType: LCS			TestCode: VOC_W			Units: µg/L		
Client ID: LCSW			Batch ID: A12557			TestNo: SW8260C					
Prep Date: 3/15/2021			RunNo: 11149			SeqNo: 314726					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	9.41	0.5	10	0	94.1	52.9	125				
1,1-Dichloroethane	10.7	1	10	0	107	66.6	129				
cis-1,2-Dichloroethene	10.3	1	10	0	103	59.2	131				
Bromochloromethane	10	1	10	0	100	65.9	121				
Chloroform	10.4	1	10	0	104	56.5	149				
2,2-Dichloropropane	11.8	1	10	0	118	58.2	146				
1,2-Dichloroethane	10.1	1	10	0	101	73.4	120.4				
1,1,1-Trichloroethane	10.3	1	10	0	104	52.7	144				
1,1-Dichloropropene	10.3	1	10	0	103	85.6	131				
Carbon tetrachloride	10.4	1	10	0	104	30.9	175				
Benzene	10.4	0.5	10	0	104	79.5	120.4				
Dibromomethane	9.9	1	10	0	99.0	78.5	120.4				
1,2-Dichloropropane	10.4	1	10	0	104	79.5	126				
Trichloroethene	9.81	1	10	0	98.1	69	120.4				
Bromodichloromethane	10.1	1	10	0	101	73.9	122				
cis-1,3-Dichloropropene	10.3	1	10	0	103	78.7	120.4				
trans-1,3-Dichloropropene	10.1	1	10	0	100	70.2	120.4				
1,1,2-Trichloroethane	10	1	10	0	100	76.2	120.4				
Toluene	10.2	0.5	10	0	102	79.7	126				
1,3-Dichloropropane	9.83	1	10	0	98.3	71.7	131				
Dibromochloromethane	9.29	1	10	0	92.9	79.5	120.4				
1,2-Dibromoethane (EDB)	20.2	2	20	0	101	76.4	120.4				
Tetrachloroethene	9.7	1	10	0	97.0	64	123				
1,1,1,2-Tetrachloroethane	9.2	1	10	0	92.0	77.9	120.4				
Chlorobenzene	9.83	1	10	0	98.3	70.9	120.4				
Ethylbenzene	8.73	0.5	10	0	87.3	77.5	120.4				
m,p-Xylene	8.91	0.5	10	0	89.1	74.8	120.4				
Bromoform	9.17	1	10	0	91.7	51.3	120.4				
Styrene	9.49	1	10	0	94.9	71.9	120.4				
o-Xylene	8.37	0.5	10	0	83.7	79.1	120.4				
1,1,2,2-Tetrachloroethane	9.68	1	10	0	96.8	55.6	138				
1,2,3-Trichloropropane	18.2	2	20	0	91.0	73.4	120.4				
Isopropylbenzene	10.6	1	10	0	106	78.7	148				
Bromobenzene	11	1	10	0	110	79.5	121				
n-Propylbenzene	11.1	1	10	0	111	82.5	134				
4-Chlorotoluene	10.5	1	10	0	105	79.5	135				
2-Chlorotoluene	10.7	1	10	0	107	79.5	131				
1,3,5-Trimethylbenzene	8.95	1	10	0	89.5	79.5	135				
tert-Butylbenzene	10.8	1	10	0	108	79.5	139				
1,2,4-Trimethylbenzene	9.31	1	10	0	93.1	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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QC SUMMARY REPORT

WO#: 2103077

06-Apr-21

Client: McGinley & Associates, Inc.
Project: 012-302-14 APN/BRN-068

TestCode: VOC_W

Sample ID: LCS-12557			SampType: LCS			TestCode: VOC_W			Units: µg/L		
Client ID: LCSW			Batch ID: A12557			TestNo: SW8260C					
Prep Date: 3/15/2021			RunNo: 11149			SeqNo: 314726					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	10.7	1	10	0	107	79.5	132				
1,3-Dichlorobenzene	10.5	1	10	0	105	79.5	125				
1,4-Dichlorobenzene	10	1	10	0	100	79.5	123				
4-Isopropyltoluene	11.1	1	10	0	111	79.5	130				
1,2-Dichlorobenzene	9.89	1	10	0	98.9	79.5	121				
n-Butylbenzene	9.63	1	10	0	96.3	79.5	136				
1,2-Dibromo-3-chloropropane (DBCP)	49.1	3	50	0	98.2	72.1	136				
1,2,4-Trichlorobenzene	9.4	2	10	0	94.0	73.3	126				
Naphthalene	9.44	2	10	0	94.4	47.2	142				
Hexachlorobutadiene	18.4	2	20	0	91.8	31.2	170				
1,2,3-Trichlorobenzene	9.24	2	10	0	92.4	67.4	130				
Surr: 1,2-Dichloroethane-d4	10.5		10		105	69.51	130.5				
Surr: Toluene-d8	9.75		10		97.5	69.51	130.5				
Surr: 4-Bromofluorobenzene	10.6		10		106	69.51	130.5				

Sample ID: 2103058-01AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12557			TestNo: SW8260C					
Prep Date: 3/15/2021			RunNo: 11149			SeqNo: 314729					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	46.3	5	50	0	92.5	5.1	155	44.9	3	38	
Chloromethane	28.3	10	50	0	56.6	37.7	121	28.6	1.2	22.5	
Vinyl chloride	42.3	5	50	0	84.7	60.4	140	41.8	1.4	23.9	
Chloroethane	37	5	50	0	74.1	43.1	206	37.3	0.67	22.9	
Bromomethane	17	10	50	0	33.9	12.6	168	17.2	1.3	48	
Trichlorofluoromethane	33.9	5	50	0	67.9	58.6	163	33.1	2.5	33.3	
1,1-Dichloroethene	49.3	5	50	0	98.7	69.8	158	48.5	1.8	21.7	
Dichloromethane	40	10	50	0	80.0	71.7	132	40.4	1	20	
trans-1,2-Dichloroethene	47.3	5	50	0	94.6	72	136	47.2	0.25	19.2	
Methyl tert-butyl ether (MTBE)	41.4	2.5	50	0	82.9	54.8	155	41.3	0.31	21.4	
1,1-Dichloroethane	47.8	5	50	0	95.6	76.9	140	47.8	0.021	18	
cis-1,2-Dichloroethene	46.8	5	50	0	93.6	73.9	133	46.8	0.085	20.1	
Bromochloromethane	44.8	5	50	0	89.5	75.8	132	44.5	0.58	23.5	
Chloroform	47.1	5	50	0	94.3	74.3	130	47.2	0.15	18	
2,2-Dichloropropane	49	5	50	0	97.9	53.9	146	48.6	0.74	52.3	
1,2-Dichloroethane	45.5	5	50	0	91.1	72.6	144	46	0.96	17.1	
1,1,1-Trichloroethane	46.3	5	50	0	92.6	70.2	138	46.2	0.17	22.2	
1,1-Dichloropropene	45.7	5	50	0	91.4	69.7	146	45.2	1	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: 012-302-14 APN/BRN-068

TestCode: VOC_W

Sample ID: 2103058-01AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12557			TestNo: SW8260C					
Prep Date: 3/15/2021			RunNo: 11149			SeqNo: 314729					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	45.8	5	50	0	91.6	58.2	141	45.4	0.94	31.9	
Benzene	46.8	2.5	50	0	93.7	67.8	140	46.7	0.24	18.1	
Dibromomethane	44.4	5	50	0	88.7	75.2	144	44	0.77	19.5	
1,2-Dichloropropane	47.4	5	50	0	94.7	75.3	144	47.1	0.44	19.7	
Trichloroethene	44	5	50	0	88.1	65.7	131	44	0.068	25.3	
Bromodichloromethane	46.9	5	50	0	93.8	70.2	141	46.5	0.92	20.5	
cis-1,3-Dichloropropene	43.6	5	50	0	87.3	56.9	132	43.5	0.41	25.8	
trans-1,3-Dichloropropene	45.1	5	50	0	90.2	72	131	44.8	0.67	26.4	
1,1,2-Trichloroethane	45.2	5	50	0	90.3	74	130	44.6	1.3	21.9	
Toluene	48.9	2.5	50	0	97.8	67.2	131	48.8	0.14	18.3	
1,3-Dichloropropane	45.6	5	50	0	91.1	74.2	124	45.2	0.7	21.7	
Dibromochloromethane	44.4	5	50	0	88.8	71.5	134	44.2	0.45	24.1	
1,2-Dibromoethane (EDB)	93.7	10	100	0	93.7	74.7	129	94.1	0.52	23.1	
Tetrachloroethene	46	5	50	0	91.9	45.9	138	45.9	0.087	30.9	
1,1,1,2-Tetrachloroethane	44.6	5	50	0	89.2	75.7	125	44.5	0.29	22.6	
Chlorobenzene	47.6	5	50	0	95.3	73.7	120	47.3	0.61	23.1	
Ethylbenzene	42.4	2.5	50	0	84.8	70.3	122	41.8	1.5	25.3	
m,p-Xylene	43.1	2.5	50	0	86.3	52.9	136	42.8	0.74	26.6	
Bromoform	42.9	5	50	0	85.7	61.5	141	42.9	0.14	25	
Styrene	45.6	5	50	0	91.2	74	130	44.9	1.7	26	
o-Xylene	40.5	2.5	50	0	80.9	67.3	129	40.1	0.79	25	
1,1,2,2-Tetrachloroethane	45.8	5	50	0	91.7	62.4	153	45.2	1.5	24.6	
1,2,3-Trichloropropane	84.2	10	100	0	84.2	37.4	171	83.1	1.4	50	
Isopropylbenzene	53.3	5	50	0	107	63	132	51.6	3.2	33.1	
Bromobenzene	54.7	5	50	0	109	65.1	120	53.5	2.2	23.6	
n-Propylbenzene	56	5	50	0	112	58.2	128	53.4	4.6	32.4	
4-Chlorotoluene	52.4	5	50	0	105	63.9	127	50	4.7	29.1	
2-Chlorotoluene	53.4	5	50	0	107	63.2	126	51.5	3.5	28.9	
1,3,5-Trimethylbenzene	44.8	5	50	0	89.7	63.8	138	43.5	3.1	31.9	
tert-Butylbenzene	54.8	5	50	0	110	59.7	128	51.9	5.4	36.2	
1,2,4-Trimethylbenzene	47.1	5	50	0	94.2	65.1	135	45.7	3.1	28.8	
sec-Butylbenzene	53.7	5	50	0	107	55.5	128	50.7	5.9	40.9	
1,3-Dichlorobenzene	53.5	5	50	0	107	64.5	122	51.1	4.8	28.6	
1,4-Dichlorobenzene	50.4	5	50	0	101	63.7	121	48.3	4.3	27.7	
4-Isopropyltoluene	56.4	5	50	0	113	58	135	53.6	5.2	40.4	
1,2-Dichlorobenzene	50	5	50	0	100	66.7	122	48.2	3.8	24.5	
n-Butylbenzene	48	5	50	0	95.9	52.7	139	44.1	8.3	43.5	
1,2-Dibromo-3-chloropropane (DBCP)	240	15	250	0	95.9	59.1	143	230	4.4	24.9	
1,2,4-Trichlorobenzene	49.1	10	50	0	98.2	47.1	139	48.5	1.2	35	
Naphthalene	46.3	10	50	0	92.7	31.6	164	40.3	14	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



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QC SUMMARY REPORT

WO#: 2103077

06-Apr-21

Client: McGinley & Associates, Inc.
Project: 012-302-14 APN/BRN-068

TestCode: VOC_W

Sample ID: 2103058-01AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12557			TestNo: SW8260C					
Prep Date: 3/15/2021			RunNo: 11149			SeqNo: 314729					
Analysis Date: 3/15/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	89	10	100	0	89.0	45.6	123	82.3	7.8	48	
1,2,3-Trichlorobenzene	46.5	10	50	0	93.0	17.7	171	39.9	15	57	
Surr: 1,2-Dichloroethane-d4	51.6		50		103	69.51	130.49	52.5	0	0	
Surr: Toluene-d8	49.9		50		99.9	69.51	130.49	49.9	0	0	
Surr: 4-Bromofluorobenzene	53.3		50		107	69.51	130.49	53.5	0	0	

Sample ID: 2103058-01AMS			SampType: MS			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12557			TestNo: SW8260C					
Prep Date: 3/15/2021			RunNo: 11149			SeqNo: 314728					
Analysis Date: 3/15/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	44.9	5	50	0	89.8	5.1	155				
Chloromethane	28.6	10	50	0	57.3	37.7	121				
Vinyl chloride	41.8	5	50	0	83.5	60.4	140				
Chloroethane	37.3	5	50	0	74.6	43.1	206				
Bromomethane	17.2	10	50	0	34.4	12.6	168				
Trichlorofluoromethane	33.1	5	50	0	66.2	58.6	163				
1,1-Dichloroethene	48.5	5	50	0	97.0	69.8	158				
Dichloromethane	40.4	10	50	0	80.8	71.7	132				
trans-1,2-Dichloroethene	47.2	5	50	0	94.4	72	136				
Methyl tert-butyl ether (MTBE)	41.3	2.5	50	0	82.6	54.8	155				
1,1-Dichloroethane	47.8	5	50	0	95.6	76.9	140				
cis-1,2-Dichloroethene	46.8	5	50	0	93.7	73.9	133				
Bromochloromethane	44.5	5	50	0	89.0	75.8	132				
Chloroform	47.2	5	50	0	94.4	74.3	130				
2,2-Dichloropropane	48.6	5	50	0	97.2	53.9	146				
1,2-Dichloroethane	46	5	50	0	91.9	72.6	144				
1,1,1-Trichloroethane	46.2	5	50	0	92.4	70.2	138				
1,1-Dichloropropene	45.2	5	50	0	90.4	69.7	146				
Carbon tetrachloride	45.4	5	50	0	90.8	58.2	141				
Benzene	46.7	2.5	50	0	93.5	67.8	140				
Dibromomethane	44	5	50	0	88.1	75.2	144				
1,2-Dichloropropane	47.1	5	50	0	94.3	75.3	144				
Trichloroethene	44	5	50	0	88.0	65.7	131				
Bromodichloromethane	46.5	5	50	0	93.0	70.2	141				
cis-1,3-Dichloropropene	43.5	5	50	0	86.9	56.9	132				
trans-1,3-Dichloropropene	44.8	5	50	0	89.6	72	131				
1,1,2-Trichloroethane	44.6	5	50	0	89.1	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: 012-302-14 APN/BRN-068

TestCode: VOC_W

Sample ID: 2103058-01AMS			SampType: MS			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12557			TestNo: SW8260C					
Prep Date: 3/15/2021			RunNo: 11149			SeqNo: 314728					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	48.8	2.5	50	0	97.6	67.2	131				
1,3-Dichloropropane	45.2	5	50	0	90.5	74.2	124				
Dibromochloromethane	44.2	5	50	0	88.4	71.5	134				
1,2-Dibromoethane (EDB)	94.1	10	100	0	94.2	74.7	129				
Tetrachloroethene	45.9	5	50	0	91.8	45.9	138				
1,1,1,2-Tetrachloroethane	44.5	5	50	0	89.0	75.7	125				
Chlorobenzene	47.3	5	50	0	94.7	73.7	120				
Ethylbenzene	41.8	2.5	50	0	83.6	70.3	122				
m,p-Xylene	42.8	2.5	50	0	85.6	52.9	136				
Bromoform	42.9	5	50	0	85.9	61.5	141				
Styrene	44.9	5	50	0	89.7	74	130				
o-Xylene	40.1	2.5	50	0	80.3	67.3	129				
1,1,2,2-Tetrachloroethane	45.2	5	50	0	90.3	62.4	153				
1,2,3-Trichloropropane	83.1	10	100	0	83.1	37.4	171				
Isopropylbenzene	51.6	5	50	0	103	63	132				
Bromobenzene	53.5	5	50	0	107	65.1	120				
n-Propylbenzene	53.4	5	50	0	107	58.2	128				
4-Chlorotoluene	50	5	50	0	100	63.9	127				
2-Chlorotoluene	51.5	5	50	0	103	63.2	126				
1,3,5-Trimethylbenzene	43.5	5	50	0	86.9	63.8	138				
tert-Butylbenzene	51.9	5	50	0	104	59.7	128				
1,2,4-Trimethylbenzene	45.7	5	50	0	91.4	65.1	135				
sec-Butylbenzene	50.7	5	50	0	101	55.5	128				
1,3-Dichlorobenzene	51.1	5	50	0	102	64.5	122				
1,4-Dichlorobenzene	48.3	5	50	0	96.5	63.7	121				
4-Isopropyltoluene	53.6	5	50	0	107	58	135				
1,2-Dichlorobenzene	48.2	5	50	0	96.4	66.7	122				
n-Butylbenzene	44.1	5	50	0	88.2	52.7	139				
1,2-Dibromo-3-chloropropane (DBCP)	230	15	250	0	91.8	59.1	143				
1,2,4-Trichlorobenzene	48.5	10	50	0	97.0	47.1	139				
Naphthalene	40.3	10	50	0	80.6	31.6	164				
Hexachlorobutadiene	82.3	10	100	0	82.3	45.6	123				
1,2,3-Trichlorobenzene	39.9	10	50	0	79.9	17.7	171				
Surr: 1,2-Dichloroethane-d4	52.5		50		105	69.51	130.49				
Surr: Toluene-d8	49.9		50		99.7	69.51	130.49				
Surr: 4-Bromofluorobenzene	53.5		50		107	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#: 2103077
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
NV RUSH

WorkOrder: MGA2103077
Report Due By: 19-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: 012-302-14 APN/BRN-068

Date Received: 12-Mar-21

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles			Requested Tests							
				Alpha	Sub	TAT	PNA_SIM_S	TPH/E_S	TPH/P_S	VOC_S	VOC_W			Sample Remarks
MGA2103077-01	BRN-068-B1@0-3'	SO	3/8/2021 11:10:00 AM	1	0	5	A - SIM	A - TPH/E_N	A - GAS-N	A - 8260/M_N				
MGA2103077-02	BRN-068-B1@32'	SO	3/8/2021 1:10:00 PM	1	0	5		A - TPH/E_N	A - GAS-N					
MGA2103077-03	BRN-068-B1-H2O	AQ	3/8/2021 1:00:00 PM	4	0	5					A - 8260/M_N			No HCl
MGA2103077-04	BRN-068-B2@0-3'	SO	3/8/2021 2:25:00 PM	1	0	5	A - SIM	A - TPH/E_N	A - GAS-N	A - 8260/M_N				
MGA2103077-05	BRN-068-B2@33'	SO	3/8/2021 3:40:00 PM	1	0	5		A - TPH/E_N	A - GAS-N					
MGA2103077-06	BRN-068-B2-H2O	AQ	3/8/2021 3:50:00 PM	4	0	5					A - 8260/M_N			No HCl
MGA2103077-07	BRN-068-B3@0-3'	SO	3/9/2021 9:45:00 AM	1	0	5		A - TPH/E_N	A - GAS-N					
MGA2103077-08	BRN-068-B3@32'	SO	3/10/2021 11:00:00 AM	1	0	5		A - TPH/E_N	A - GAS-N					
MGA2103077-09	BRN-068-B3-H2O	AQ	3/10/2021 11:10:00 AM	4	0	5					A - 8260/M_N			No HCl
MGA2103077-10	BRN-068-Trip Blank	AQ	3/10/2021	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 samples 01 and 04, per email from Anna. OK to analyze outside holding time.KM

Signature	Print Name	Company	Date/Time
Logged in by: <u>K Murray</u>	<u>K Murray</u>	Alpha Analytical, Inc.	3-31-21 0915

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 40 of 42

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

Report CC's Caitlin Jelle
Kyndra Washell

WORKORDER SUMMARY

NV

WorkOrder: MGA2103077
Report Due By: 19-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: 012-302-14 APN/BRN-068

Date Received: 12-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	VOC_W	
MGA2103077-01	BRN-068-B1@0-3'	SO	3/8/2021 11:10:00 AM	1	0	5	A - TPH/E_N	A - GAS-N		
MGA2103077-02	BRN-068-B1@32'	SO	3/8/2021 1:10:00 PM	1	0	5	A - TPH/E_N	A - GAS-N		
MGA2103077-03	BRN-068-B1-H2O	AQ	3/8/2021 1:00:00 PM	4	0	5			A - 8260/M_N	No HCl
MGA2103077-04	BRN-068-B2@0-3'	SO	3/8/2021 2:25:00 PM	1	0	5	A - TPH/E_N	A - GAS-N		
MGA2103077-05	BRN-068-B2@33'	SO	3/8/2021 3:40:00 PM	1	0	5	A - TPH/E_N	A - GAS-N		
MGA2103077-06	BRN-068-B2-H2O	AQ	3/8/2021 3:50:00 PM	4	0	5			A - 8260/M_N	No HCl
MGA2103077-07	BRN-068-B3@0-3'	SO	3/9/2021 9:45:00 AM	1	0	5	A - TPH/E_N	A - GAS-N		
MGA2103077-08	BRN-068-B3@32'	SO	3/10/2021 11:00:00 AM	1	0	5	A - TPH/E_N	A - GAS-N		
MGA2103077-09	BRN-068-B3-H2O	AQ	3/10/2021 11:10:00 AM	4	0	5			A - 8260/M_N	No HCl
MGA2103077-10	BRN-068-Trip Blank	AQ	3/10/2021	1	0	5			A - 8260/M_N	Reno TB 10/5/20

Comments: Sediment in voas.

Signature

Print Name

Company

Date/Time

Logged in by:

K Murray

K Murray

Alpha Analytical, Inc.

3-12-21 1230

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 Other

Page 41 of 42

CHAIN OF CUSTODY

06644

Billing Information:
 Company: McGinty
 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>McGinty</u>	Job # <u>BRN-068</u>	Name: <u>C.J. Hall</u>	Address: <u>OIZ-302-14 APN</u>	P.O. #: _____	Phone #: _____	Cell #: _____	EDD Required? Yes / No	EDF Required? Yes / No	Global ID: _____	Data Validation Packages: III or IV	_____
City, State, Zip: _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

Samples Collected from which State? (circle one) AR CA KS **NV** OR WA Other

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?	TPED	VOCs		
1110	3/8	SO	MGA2103077-01	BRN-068-B1 @ 0-3'	Std	1S	X	X			
1310	"			02 BRN-068-B1 @ 32'		1S	X	X			
1300	"	AQ		03 BRN-068-B1 - H ₂ O		4V	X		X		No HCl
1425	"	SO		04 BRN-068-B2 @ 0-3'		1S	X	X			
1540	"	"		05 BRN-068-B2 @ 33'		1S	X	X			
1550	"	AQ		06 BRN-068-B2 = H ₂ O		4V	X		X		No HCl
0945	3/9	SO		07 BRN-068-B3 @ 0-3'		1S	X	X			
1100	3/10	SO		08 BRN-068-B3 @ 32'		1S	X	X			
1116	"	AQ		09 BRN-068-B3 - H ₂ O		4V	X		X		No HCl
NA	"	AQ		10 BRN-068 - Trip Blank	✓	1V	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>D-1-P-11-</u>	Date: <u>3/12</u>	Time: <u>1120</u>	Received by: (Signature/Affiliation): <u>Cuth M</u>	Date: <u>3/12</u>	Time: <u>1120</u>
Relinquished by: (Signature/Affiliation): <u>Cuth M</u>	Date: <u>3/12</u>	Time: <u>1135</u>	Received by: (Signature/Affiliation): <u>Reyes Vazquez</u>	Date: <u>3/12/21</u>	Time: <u>1135</u>
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:

* 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

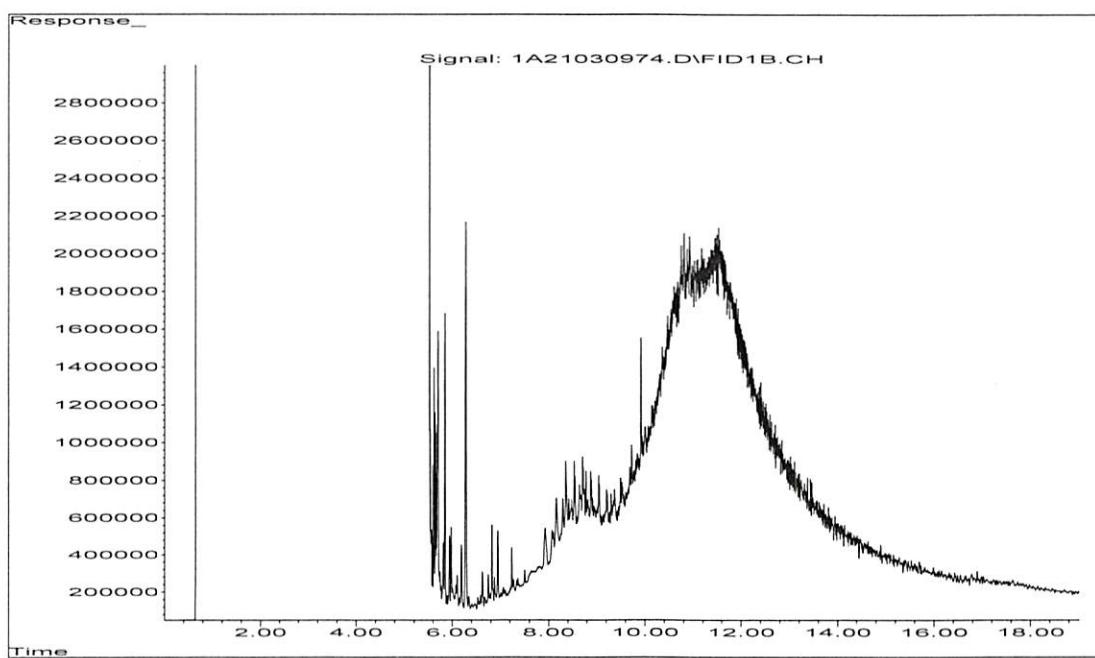
NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The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

Sample Name: MGA2103077-01
 Instrument Name: FID01
 Misc Info: SOIL x 5.00
 Sample Multiplier: 10
 Data File Name: 1A21030974.D
 Data File Path: C:\msdchem\FID01\DATA\210309\
 Date Acquired: 3/18/21 02:55
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 74

Result 7
 Peer/QAQC 1/1
 Report 3/19/21
 Final 3/19/21

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1) Nonane		6.28	29477955.75	5.5146	ppm	
	Spiked Amt	6.00		%Recovery	91.91	
2) TPH-E (GRO)		7.50	140281342.5	26.92	ppm	
3) TPH-E (JFRO)		7.50	540707686.1	103.753	ppm	L
4) TPH-E (DRO)		9.00	502833410.4	96.486	ppm	COPA
5) TPH-E (ORO)		11.00	3613849846	851.486	ppm	PAHs
6) TPH (Extractable)		7.50	4147649200	795.87	ppm	Q

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

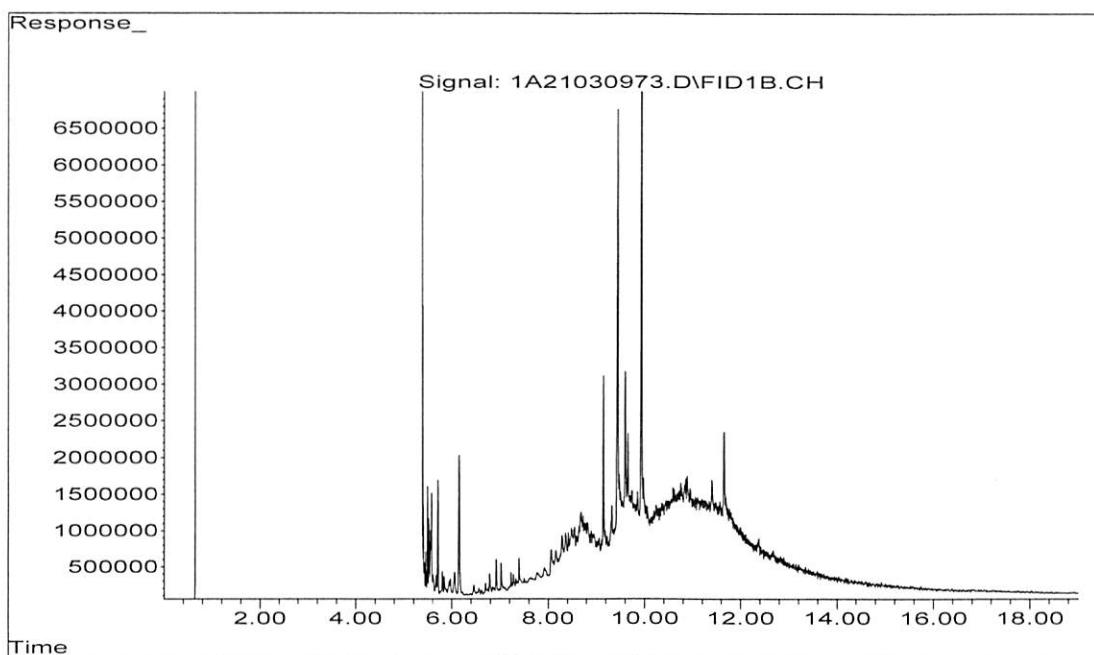


Sample Name: MGA2103077-02
 Instrument Name: FID01
 Misc Info: SOIL x 5.00
 Sample Multiplier: 10
 Data File Name: 1A21030973.D
 Data File Path: C:\msdchem\FID01\DATA\210309\
 Date Acquired: 3/18/21 02:28
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 73

Result K
 Peer/QAQC _____
 Report OK
 Final SJ

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	6.15	31043915.49	5.8076	ppm	
	Spiked Amt	6.00	%Recovery	96.79	'	
2)	TPH-E (GRO)	7.50	169517277.6	32.53	ppm	
3)	TPH-E (JFRO)	7.50	902684905.9	173.211	ppm	
4)	TPH-E (DRO)	9.00	856931314.1	164.432	ppm	L C
5)	TPH-E (ORO)	11.00	2774745539	653.778	ppm	C
6)	TPH (Extractable)	7.50	3647369810	699.87	ppm	

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

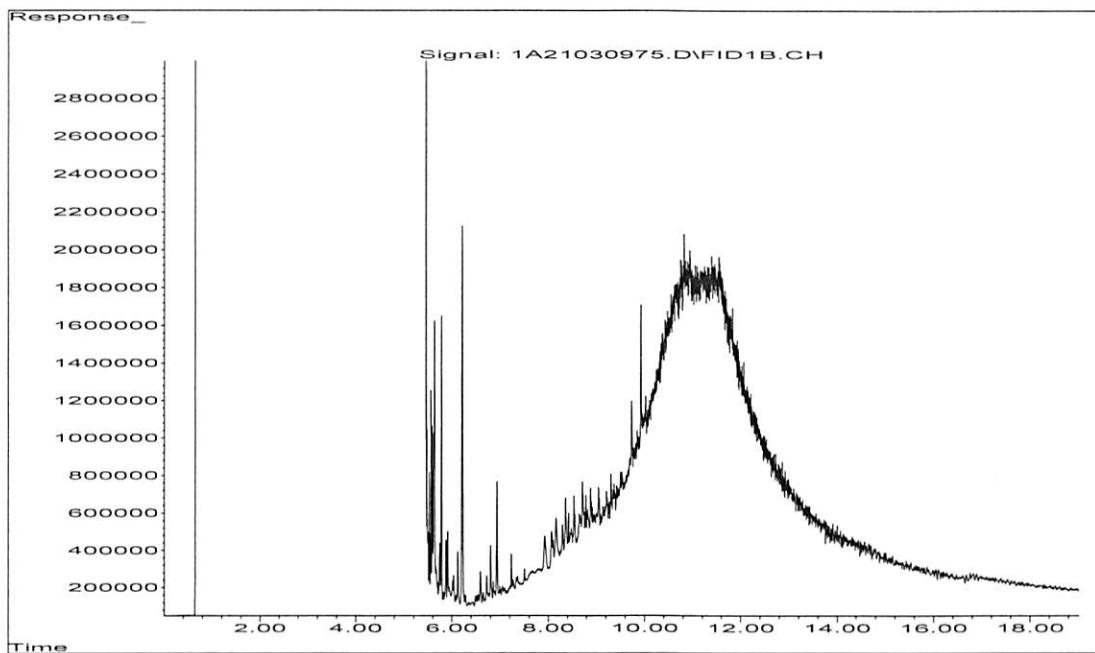


Sample Name: MGA2103077-04
 Instrument Name: FID01
 Misc Info: SOIL x 5.00
 Sample Multiplier: 10
 Data File Name: 1A21030975.D
 Data File Path: C:\msdchem\FID01\DATA\210309\
 Date Acquired: 3/18/21 03:21
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 75

Result Z
 Peer/QAQC _____
 Report PK
 Final _____
JG

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	6.21	28476248.5	5.3272	ppm	
	Spiked Amt	6.00	%Recovery	88.79		
2)	TPH-E (GRO)	7.50	127626074.9	24.49	ppm	
3)	TPH-E (JFRO)	7.50	474286675.8	91.008	ppm	
4)	TPH-E (DRO)	9.00	439743781.6	84.380	ppm	
5)	TPH-E (ORO)	11.00	3412862484	804.130	ppm	
6)	TPH (Extractable)	7.50	3878290804	744.18	ppm	

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

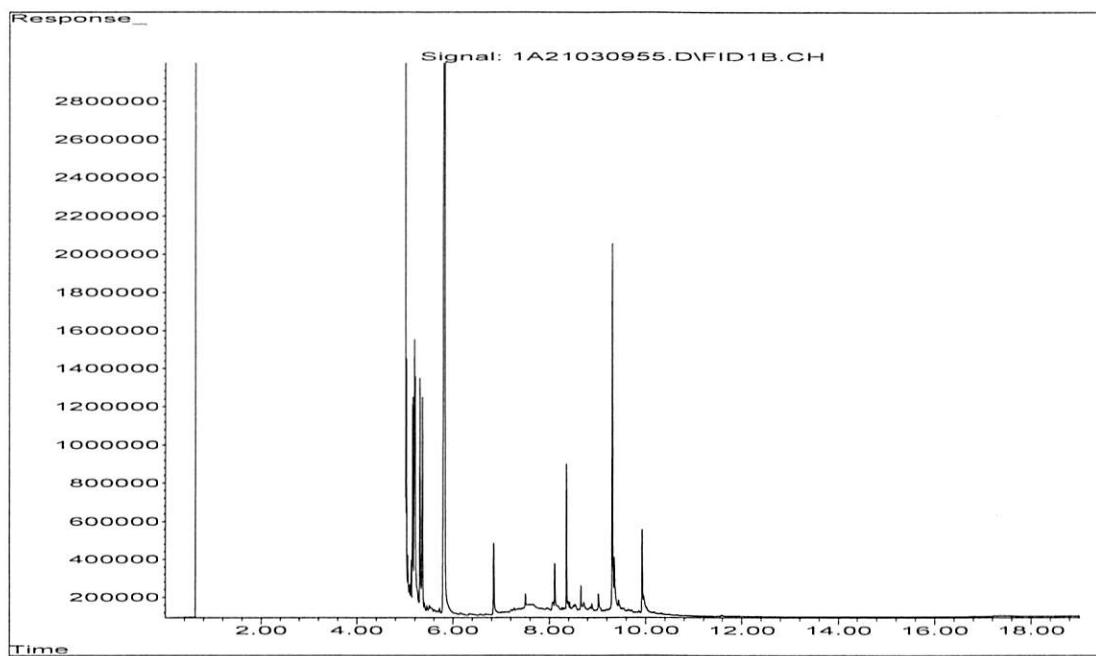


Sample Name: MGA2103077-05
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21030955.D
 Data File Path: C:\msdchem\FID01\DATA\210309\
 Date Acquired: 3/17/21 18:25
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 55

Result Z
 Peer/QAQC _____
 Report PK
 Final PK
JG

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	5.83	145256616.6	5.4348	ppm	
	Spiked Amt	6.00	%Recovery	90.58		
2)	TPH-E (GRO)	7.50	31215553.85	1.20	ppm	
3)	TPH-E (JFRO)	7.50	79736270.91	3.060	ppm	
4)	TPH-E (DRO)	9.00	70180094.77	2.693	ppm	
5)	TPH-E (ORO)	11.00	16751078.35	0.789	ppm	
6)	TPH (Extractable)	7.50	97930962.88	3.76	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

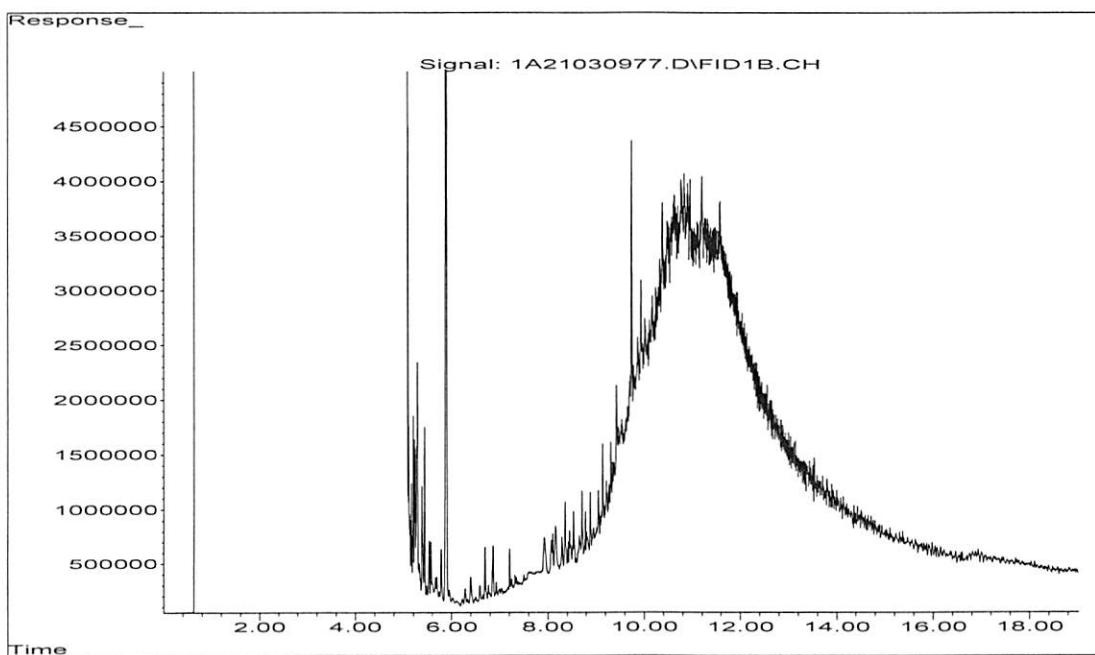


Sample Name: MGA2103077-07
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21030977.D
 Data File Path: C:\msdchem\FID01\DATA\210309\
 Date Acquired: 3/18/21 04:15
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 77

Result J
 Peer/QAQC _____
 Report LH
 Final DJ

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	5.90	154181641.9	5.7687	ppm	
	Spiked Amt	6.00	%Recovery	96.15		
2)	TPH-E (GRO)	7.50	205185806.6	7.87	ppm	
3)	TPH-E (JFRO)	7.50	784268272	30.098	ppm	
4)	TPH-E (DRO)	9.00	726015689.7	27.862	ppm	
5)	TPH-E (ORO)	11.00	7743270055	364.890	ppm	
6)	TPH (Extractable)	7.50	8505479192	326.41	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

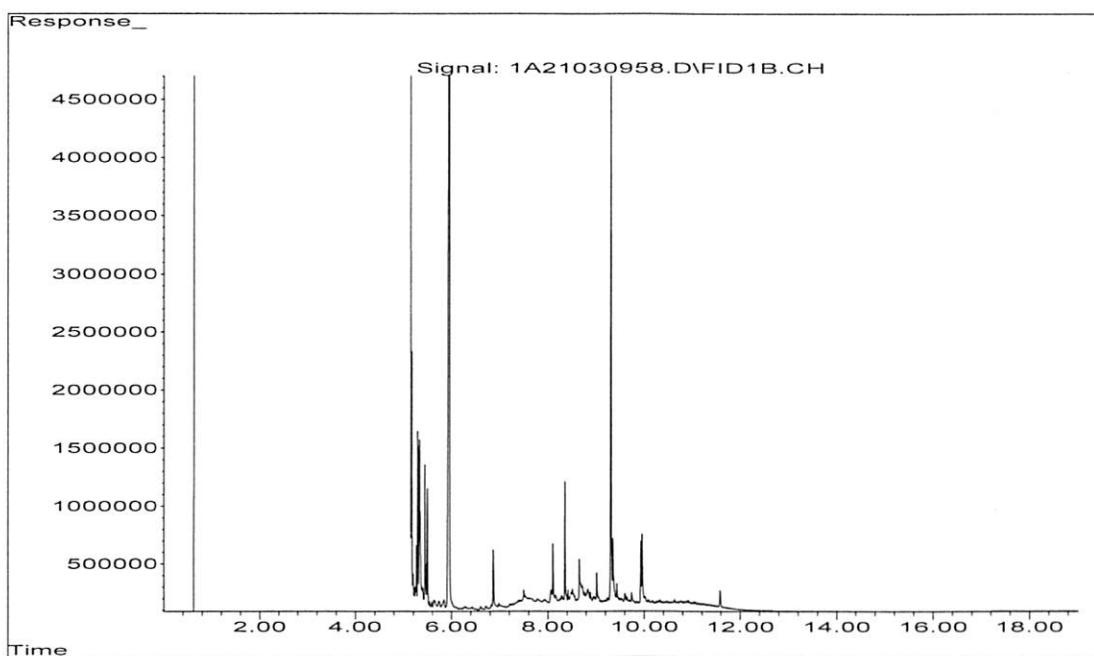


Sample Name: MGA2103077-08
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21030958.D
 Data File Path: C:\msdchem\FID01\DATA\210309\
 Date Acquired: 3/17/21 19:46
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 58

Result K
 Peer/QAQC _____
 Report K
 Final K
[Signature]

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	5.95	155476625.7	5.8172	ppm	
	Spiked Amt	6.00	%Recovery	96.95		
2)	TPH-E (GRO)	7.50	67693827.41	2.60	ppm	
3)	TPH-E (JFRO)	7.50	203109011.6	7.795	ppm	
4)	TPH-E (DRO)	9.00	182770201.6	7.014	ppm	
5)	TPH-E (ORO)	11.00	110644890.7	5.214	ppm	
6)	TPH (Extractable)	7.50	314617267.6	12.07	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





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March 26, 2021

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

RE: BRN-068/APN-012-302-14

Order No.: MGA2103126

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



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Analytical Report

WO#: MGA2103126
Report Date: 3/26/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/17/2021 8:45:00 AM
Project: BRN-068/APN-012-302-14
Lab ID: 2103126-01 **Matrix:** SOIL
Client Sample ID: BRN-068-B9@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)	17	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
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	101	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C



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Analytical Report

WO#: MGA2103126
Report Date: 3/26/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/17/2021 10:40:00 AM
Project: BRN-068/APN-012-302-14
Lab ID: 2103126-02 **Matrix:** SOIL
Client Sample ID: BRN-068-B9@32'

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	98	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	92	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	107	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/17/2021 10:45:00 AM
Project: BRN-068/APN-012-302-14
Lab ID: 2103126-03 **Matrix:** AQUEOUS
Client Sample ID: BRN-068-B9-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103126
Report Date: 3/26/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/17/2021 10:45:00 AM
Project: BRN-068/APN-012-302-14
Lab ID: 2103126-03 **Matrix:** AQUEOUS
Client Sample ID: BRN-068-B9-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	3/26/2021	VOCs by EPA 8260
Surr: Toluene-d8	103	70-130		%Rec	3/26/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	3/26/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103126
Report Date: 3/26/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/17/2021 11:20:00 AM
Project: BRN-068/APN-012-302-14
Lab ID: 2103126-04 **Matrix:** SOIL
Client Sample ID: BRN-068-B10@0-3'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	10		mg/Kg	3/24/2021	TPH-E by EPA 8015C
TPH-E (ORO)	ND	10		mg/Kg	3/24/2021	TPH-E by EPA 8015C
Surr: Nonane	100	66-134		%Rec	3/24/2021	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	93	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	103	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C



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Analytical Report

WO#: MGA2103126

Report Date: 3/26/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/17/2021 12:50:00 PM
Project: BRN-068/APN-012-302-14
Lab ID: 2103126-05 **Matrix:** SOIL
Client Sample ID: BRN-068-B10@32'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	10		mg/Kg	3/24/2021	TPH-E by EPA 8015C
TPH-E (ORO)	ND	10		mg/Kg	3/24/2021	TPH-E by EPA 8015C
Surr: Nonane	100	66-134		%Rec	3/24/2021	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	93	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	101	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	3/24/2021	TPH-P by EPA 8015C



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Analytical Report

WO#: MGA2103126
Report Date: 3/26/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/17/2021 12:55:00 PM
Project: BRN-068/APN-012-302-14
Lab ID: 2103126-06 **Matrix:** AQUEOUS
Client Sample ID: BRN-068-B10-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103126
Report Date: 3/26/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/17/2021 12:55:00 PM
Project: BRN-068/APN-012-302-14
Lab ID: 2103126-06 **Matrix:** AQUEOUS
Client Sample ID: BRN-068-B10-H2O

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	3/26/2021	VOCs by EPA 8260
Surr: Toluene-d8	102	70-130		%Rec	3/26/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	3/26/2021	VOCs by EPA 8260



CLIENT: McGinley & Associates, Inc.
Project: BRN-068/APN-012-302-14
Lab ID: 2103126-07
Client Sample ID: BRN-068-Trip Blank

Collection Date: 3/17/2021

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103126
Report Date: 3/26/2021

CLIENT: McGinley & Associates, Inc.

Collection Date: 3/17/2021

Project: BRN-068/APN-012-302-14

Lab ID: 2103126-07

Matrix: AQUEOUS

Client Sample ID: BRN-068-Trip Blank

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	3/26/2021	VOCs by EPA 8260
Surr: Toluene-d8	101	70-130		%Rec	3/26/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	3/26/2021	VOCs by EPA 8260



CLIENT: McGinley & Associates, Inc.
Project: BRN-068/APN-012-302-14
Lab ID: 2103126-08
Client Sample ID: BRN-068-H2O-Duplicate

Collection Date: 3/17/2021

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Dichlorodifluoromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Dichloromethane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103126
Report Date: 3/26/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/17/2021
Project: BRN-068/APN-012-302-14
Lab ID: 2103126-08 **Matrix:** AQUEOUS
Client Sample ID: BRN-068-H2O-Duplicate

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2,4-Trimethylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Naphthalene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Hexachlorobutadiene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	3/26/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	103	70-130	%Rec		3/26/2021	VOCs by EPA 8260
Surr: Toluene-d8	101	70-130	%Rec		3/26/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	98	70-130	%Rec		3/26/2021	VOCs by EPA 8260



Client: McGinley & Associates, Inc.
Project: BRN-068/APN-012-302-14

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



Client: McGinley & Associates, Inc.
Project: BRN-068/APN-012-302-14

TestCode: TPH/P_S

Sample ID: MBLK			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			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	0
Surr: Toluene-d8	0.4		0.4		100	69.51	130.49	0.409	0	0	0
Surr: 4-Bromofluorobenzene	0.464		0.4		116	69.51	130.49	0.422	0	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



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QC SUMMARY REPORT

WO#: 2103126

26-Mar-21

Client: McGinley & Associates, Inc.
Project: BRN-068/APN-012-302-14

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
Surr: 4-Bromofluorobenzene	0.422		0.4		105	69.51	130.49				

Sample ID: MB-12601			SampType: MBLK			TestCode: TPH/P_S			Units: mg/Kg		
Client ID: PBS			Batch ID: A12601B			TestNo: SW8015					
Prep Date: 3/23/2021			RunNo: 11201			SeqNo: 315837					
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)	ND	1									
Surr: 1,2-Dichloroethane-d4	0.18		0.2		89.2	69.51	130.49				
Surr: Toluene-d8	0.21		0.2		104	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.22		0.2		108	69.51	130.49				

Sample ID: GLCS-12601			SampType: GLCS			TestCode: TPH/P_S			Units: mg/Kg		
Client ID: BatchQC			Batch ID: A12601B			TestNo: SW8015					
Prep Date: 3/23/2021			RunNo: 11201			SeqNo: 315834					
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)	20.5	2	16	0	128	64.64	146.49				
Surr: 1,2-Dichloroethane-d4	0.373		0.4		93.3	69.51	130.49				
Surr: Toluene-d8	0.415		0.4		104	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.402		0.4		100	69.51	130.49				

Sample ID: 2103126-05AGSD			SampType: GSD			TestCode: TPH/P_S			Units: mg/Kg		
Client ID: BRN-068-B10@32'			Batch ID: A12601B			TestNo: SW8015					
Prep Date: 3/23/2021			RunNo: 11201			SeqNo: 315836					
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)	19.7	2	16	0	123	57.6	179	18.2	7.8	19.4	
Surr: 1,2-Dichloroethane-d4	0.36		0.4		90.1	69.51	130.49	0.359	0	0	
Surr: Toluene-d8	0.415		0.4		104	69.51	130.49	0.409	0	0	
Surr: 4-Bromofluorobenzene	0.418		0.4		105	69.51	130.49	0.421	0	0	

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#: 2103126

26-Mar-21

Client: McGinley & Associates, Inc.
Project: BRN-068/APN-012-302-14

TestCode: TPH/P_S

Sample ID: 2103126-05AGS	SampType: GS				TestCode: TPH/P_S			Units: mg/Kg			
Client ID: BRN-068-B10@32'	Batch ID: A12601B				TestNo: SW8015						
Prep Date: 3/23/2021	RunNo: 11201				SeqNo: 315835						
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)	18.2	2	16	0	114	57.6	179				
Surr: 1,2-Dichloroethane-d4	0.359		0.4		89.8	69.51	130.49				
Surr: Toluene-d8	0.409		0.4		102	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.421		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#: 2103126

26-Mar-21

Client: McGinley & Associates, Inc.
Project: BRN-068/APN-012-302-14

TestCode: VOC_W

Sample ID: MB-12631		SampType: MBLK		TestCode: VOC_W		Units: µg/L					
Client ID: PBW		Batch ID: A12631		TestNo: SW8260C							
Prep Date: 3/26/2021		RunNo: 11222		SeqNo: 316263							
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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QC SUMMARY REPORT

WO#: 2103126

26-Mar-21

Client: McGinley & Associates, Inc.
Project: BRN-068/APN-012-302-14

TestCode: VOC_W

Sample ID: MB-12631		SampType: MBLK		TestCode: VOC_W		Units: µg/L						
Client ID: PBW		Batch ID: A12631		TestNo: SW8260C								
Prep Date: 3/26/2021		RunNo: 11222		SeqNo: 316263								
Analysis Date: 3/26/2021		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		11		10		107	69.51	130.49				
Surr: Toluene-d8		10		10		101	69.51	130.49				
Surr: 4-Bromofluorobenzene		9.9		10		98.6	69.51	130.49				

Sample ID: LCS-12631		SampType: LCS		TestCode: VOC_W		Units: µg/L						
Client ID: LCSW		Batch ID: A12631		TestNo: SW8260C								
Prep Date: 3/25/2021		RunNo: 11222		SeqNo: 316262								
Analysis Date: 3/25/2021		Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane		8.96	1	10	0	89.6	16.9	124				
Chloromethane		8.2	2	10	0	82.0	25.9	136				
Vinyl chloride		9.84	1	10	0	98.4	47.8	132				
Chloroethane		7.82	1	10	0	78.2	62.3	169				
Bromomethane		10.3	2	10	0	103	33.8	135				
Trichlorofluoromethane		11.3	1	10	0	113	16.8	155				
1,1-Dichloroethene		10.2	1	10	0	102	65.2	129				
Dichloromethane		9.49	2	10	0	94.9	65.2	129				
trans-1,2-Dichloroethene		9.76	1	10	0	97.6	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-068/APN-012-302-14

TestCode: VOC_W

Sample ID: LCS-12631			SampType: LCS			TestCode: VOC_W			Units: µg/L		
Client ID: LCSW			Batch ID: A12631			TestNo: SW8260C					
Prep Date: 3/25/2021			RunNo: 11222			SeqNo: 316262					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	10.7	0.5	10	0	107	52.9	125				
1,1-Dichloroethane	9.54	1	10	0	95.4	66.6	129				
cis-1,2-Dichloroethene	9.7	1	10	0	97.0	59.2	131				
Bromochloromethane	10.9	1	10	0	109	65.9	121				
Chloroform	10.4	1	10	0	104	56.5	149				
2,2-Dichloropropane	8.36	1	10	0	83.6	58.2	146				
1,2-Dichloroethane	11.1	1	10	0	111	73.4	120.4				
1,1,1-Trichloroethane	10.9	1	10	0	109	52.7	144				
1,1-Dichloropropene	9.99	1	10	0	99.9	85.6	131				
Carbon tetrachloride	11.3	1	10	0	113	30.9	175				
Benzene	9.34	0.5	10	0	93.4	79.5	120.4				
Dibromomethane	10.7	1	10	0	107	78.5	120.4				
1,2-Dichloropropane	9.4	1	10	0	94.0	79.5	126				
Trichloroethene	9.85	1	10	0	98.5	69	120.4				
Bromodichloromethane	10.2	1	10	0	102	73.9	122				
cis-1,3-Dichloropropene	9.94	1	10	0	99.4	78.7	120.4				
trans-1,3-Dichloropropene	10.2	1	10	0	102	70.2	120.4				
1,1,2-Trichloroethane	10.2	1	10	0	102	76.2	120.4				
Toluene	8.77	0.5	10	0	87.7	79.7	126				
1,3-Dichloropropane	8.87	1	10	0	88.7	71.7	131				
Dibromochloromethane	9.93	1	10	0	99.3	79.5	120.4				
1,2-Dibromoethane (EDB)	19.8	2	20	0	99.2	76.4	120.4				
Tetrachloroethene	9.6	1	10	0	96.0	64	123				
1,1,1,2-Tetrachloroethane	10.2	1	10	0	102	77.9	120.4				
Chlorobenzene	9.67	1	10	0	96.7	70.9	120.4				
Ethylbenzene	9.69	0.5	10	0	96.9	77.5	120.4				
m,p-Xylene	9.52	0.5	10	0	95.2	74.8	120.4				
Bromoform	10.3	1	10	0	103	51.3	120.4				
Styrene	9.54	1	10	0	95.4	71.9	120.4				
o-Xylene	9.65	0.5	10	0	96.5	79.1	120.4				
1,1,2,2-Tetrachloroethane	10.3	1	10	0	103	55.6	138				
1,2,3-Trichloropropane	20.3	2	20	0	102	73.4	120.4				
Isopropylbenzene	9.52	1	10	0	95.2	78.7	148				
Bromobenzene	9.82	1	10	0	98.2	79.5	121				
n-Propylbenzene	9.53	1	10	0	95.3	82.5	134				
4-Chlorotoluene	9.24	1	10	0	92.4	79.5	135				
2-Chlorotoluene	9.49	1	10	0	94.9	79.5	131				
1,3,5-Trimethylbenzene	10.1	1	10	0	101	79.5	135				
tert-Butylbenzene	9.7	1	10	0	97.0	79.5	139				
1,2,4-Trimethylbenzene	10	1	10	0	100	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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QC SUMMARY REPORT

WO#: 2103126

26-Mar-21

Client: McGinley & Associates, Inc.
Project: BRN-068/APN-012-302-14

TestCode: VOC_W

Sample ID: LCS-12631			SampType: LCS			TestCode: VOC_W			Units: µg/L		
Client ID: LCSW			Batch ID: A12631			TestNo: SW8260C					
Prep Date: 3/25/2021			RunNo: 11222			SeqNo: 316262					
Analysis Date: 3/25/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	9.3	1	10	0	93.0	79.5	132				
1,3-Dichlorobenzene	9.38	1	10	0	93.8	79.5	125				
1,4-Dichlorobenzene	9.57	1	10	0	95.7	79.5	123				
4-Isopropyltoluene	9.81	1	10	0	98.1	79.5	130				
1,2-Dichlorobenzene	9.18	1	10	0	91.8	79.5	121				
n-Butylbenzene	9.46	1	10	0	94.6	79.5	136				
1,2-Dibromo-3-chloropropane (DBCP)	53.5	3	50	0	107	72.1	136				
1,2,4-Trichlorobenzene	9.83	2	10	0	98.3	73.3	126				
Naphthalene	9.18	2	10	0	91.8	47.2	142				
Hexachlorobutadiene	17.9	2	20	0	89.7	31.2	170				
1,2,3-Trichlorobenzene	9.47	2	10	0	94.7	67.4	130				
Surr: 1,2-Dichloroethane-d4	11.1		10		111	69.51	130.5				
Surr: Toluene-d8	9.39		10		93.9	69.51	130.5				
Surr: 4-Bromofluorobenzene	9.64		10		96.4	69.51	130.5				

Sample ID: 2103126-03AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BRN-068-B9-H2OMSD			Batch ID: A12631			TestNo: SW8260C					
Prep Date: 3/26/2021			RunNo: 11222			SeqNo: 316265					
Analysis Date: 3/26/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	40	5	50	0	79.9	5.1	155	49.8	22	38	
Chloromethane	36	10	50	0	71.9	37.7	121	39	8.2	22.5	
Vinyl chloride	45	5	50	0	89.9	60.4	140	48	6.5	23.9	
Chloroethane	32.8	5	50	0	65.5	43.1	206	33.5	2.3	22.9	
Bromomethane	42.2	10	50	0	84.4	12.6	168	46	8.6	48	
Trichlorofluoromethane	48.5	5	50	0	96.9	58.6	163	53	8.9	33.3	
1,1-Dichloroethene	47.5	5	50	0	95.0	69.8	158	48.4	1.8	21.7	
Dichloromethane	43.1	10	50	0	86.2	71.7	132	44.9	4.2	20	
trans-1,2-Dichloroethene	45.1	5	50	0	90.2	72	136	46.3	2.7	19.2	
Methyl tert-butyl ether (MTBE)	46.8	2.5	50	0	93.7	54.8	155	49.6	5.7	21.4	
1,1-Dichloroethane	41.6	5	50	0	83.2	76.9	140	44	5.7	18	
cis-1,2-Dichloroethene	43.9	5	50	0	87.9	73.9	133	46	4.7	20.1	
Bromochloromethane	46.2	5	50	0	92.4	75.8	132	48	3.9	23.5	
Chloroform	44.9	5	50	0	89.9	74.3	130	47.3	5.2	18	
2,2-Dichloropropane	26.8	5	50	0	53.7	53.9	146	28.3	5.5	52.3	S
1,2-Dichloroethane	44.2	5	50	0	88.5	72.6	144	48	8.1	17.1	
1,1,1-Trichloroethane	48.7	5	50	0	97.3	70.2	138	51	4.8	22.2	
1,1-Dichloropropene	45.1	5	50	0	90.2	69.7	146	47.7	5.6	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-068/APN-012-302-14

TestCode: VOC_W

Sample ID: 2103126-03AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BRN-068-B9-H2OMSD			Batch ID: A12631			TestNo: SW8260C					
Prep Date: 3/26/2021			RunNo: 11222			SeqNo: 316265					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	51.5	5	50	0	103	58.2	141	53.3	3.5	31.9	
Benzene	42.1	2.5	50	0	84.3	67.8	140	43.8	3.9	18.1	
Dibromomethane	45.5	5	50	0	91.0	75.2	144	47.2	3.7	19.5	
1,2-Dichloropropane	41.6	5	50	0	83.2	75.3	144	43.8	5.1	19.7	
Trichloroethene	41.8	5	50	0	83.5	65.7	131	43.7	4.6	25.3	
Bromodichloromethane	44	5	50	0	88.0	70.2	141	44.9	1.9	20.5	
cis-1,3-Dichloropropene	41.2	5	50	0	82.5	56.9	132	44.1	6.7	25.8	
trans-1,3-Dichloropropene	41.3	5	50	0	82.6	72	131	43.5	5.2	26.4	
1,1,2-Trichloroethane	44.5	5	50	0	89.1	74	130	45.9	3	21.9	
Toluene	41.1	2.5	50	0	82.2	67.2	131	42.2	2.6	18.3	
1,3-Dichloropropane	39.8	5	50	0	79.6	74.2	124	41.1	3.1	21.7	
Dibromochloromethane	46.1	5	50	0	92.2	71.5	134	45.6	1	24.1	
1,2-Dibromoethane (EDB)	91.3	10	100	0	91.3	74.7	129	92.3	1.1	23.1	
Tetrachloroethene	46.5	5	50	0	93.0	45.9	138	47.8	2.6	30.9	
1,1,1,2-Tetrachloroethane	47.4	5	50	0	94.8	75.7	125	48.9	3.1	22.6	
Chlorobenzene	44.7	5	50	0	89.4	73.7	120	45.7	2.3	23.1	
Ethylbenzene	45.1	2.5	50	0	90.2	70.3	122	45.7	1.3	25.3	
m,p-Xylene	44.8	2.5	50	0	89.5	52.9	136	45.6	1.8	26.6	
Bromoform	47.1	5	50	0	94.3	61.5	141	45.7	3.1	25	
Styrene	44.5	5	50	0	88.9	74	130	44.8	0.81	26	
o-Xylene	45.2	2.5	50	0	90.5	67.3	129	46.7	3.1	25	
1,1,2,2-Tetrachloroethane	47.5	5	50	0	95.1	62.4	153	48.1	1.2	24.6	
1,2,3-Trichloropropane	87.8	10	100	0	87.8	37.4	171	89.1	1.4	50	
Isopropylbenzene	44.8	5	50	0	89.7	63	132	46.1	2.9	33.1	
Bromobenzene	44.9	5	50	0	89.8	65.1	120	45.2	0.62	23.6	
n-Propylbenzene	44.8	5	50	0	89.7	58.2	128	46.1	2.8	32.4	
4-Chlorotoluene	43.1	5	50	0	86.2	63.9	127	44.1	2.4	29.1	
2-Chlorotoluene	43.8	5	50	0	87.6	63.2	126	44.3	1.2	28.9	
1,3,5-Trimethylbenzene	47.6	5	50	0	95.3	63.8	138	48	0.69	31.9	
tert-Butylbenzene	46.4	5	50	0	92.8	59.7	128	46.6	0.43	36.2	
1,2,4-Trimethylbenzene	46.9	5	50	0	93.8	65.1	135	47.8	1.8	28.8	
sec-Butylbenzene	43.9	5	50	0	87.9	55.5	128	45.5	3.6	40.9	
1,3-Dichlorobenzene	43.4	5	50	0	86.9	64.5	122	44.5	2.4	28.6	
1,4-Dichlorobenzene	44.9	5	50	0	89.8	63.7	121	45.3	0.89	27.7	
4-Isopropyltoluene	45.7	5	50	0	91.5	58	135	46.3	1.2	40.4	
1,2-Dichlorobenzene	42.7	5	50	0	85.4	66.7	122	43.5	1.7	24.5	
n-Butylbenzene	43.8	5	50	0	87.5	52.7	139	44.1	0.82	43.5	
1,2-Dibromo-3-chloropropane (DBCP)	228	15	250	0	91.2	59.1	143	227	0.48	24.9	
1,2,4-Trichlorobenzene	46.3	10	50	0	92.6	47.1	139	44.2	4.6	35	
Naphthalene	42.8	10	50	0	85.6	31.6	164	39.6	7.6	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-068/APN-012-302-14

TestCode: VOC_W

Sample ID: 2103126-03AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BRN-068-B9-H2OMSD			Batch ID: A12631			TestNo: SW8260C					
Prep Date: 3/26/2021			RunNo: 11222			SeqNo: 316265					
Analysis Date: 3/26/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	86.7	10	100	0	86.7	45.6	123	85.2	1.7	48	
1,2,3-Trichlorobenzene	43.9	10	50	0	87.7	17.7	171	41.4	5.7	57	
Surr: 1,2-Dichloroethane-d4	48.9		50		97.7	69.51	130.49	48.2	0	0	
Surr: Toluene-d8	50.1		50		100	69.51	130.49	48.9	0	0	
Surr: 4-Bromofluorobenzene	48.8		50		97.7	69.51	130.49	47.5	0	0	

Sample ID: 2103126-03AMS			SampType: MS			TestCode: VOC_W			Units: µg/L		
Client ID: BRN-068-B9-H2OMS			Batch ID: A12631			TestNo: SW8260C					
Prep Date: 3/26/2021			RunNo: 11222			SeqNo: 316264					
Analysis Date: 3/26/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	49.8	5	50	0	99.5	5.1	155				
Chloromethane	39	10	50	0	78.1	37.7	121				
Vinyl chloride	48	5	50	0	96.0	60.4	140				
Chloroethane	33.5	5	50	0	67.0	43.1	206				
Bromomethane	46	10	50	0	92.0	12.6	168				
Trichlorofluoromethane	53	5	50	0	106	58.6	163				
1,1-Dichloroethene	48.4	5	50	0	96.8	69.8	158				
Dichloromethane	44.9	10	50	0	89.9	71.7	132				
trans-1,2-Dichloroethene	46.3	5	50	0	92.7	72	136				
Methyl tert-butyl ether (MTBE)	49.6	2.5	50	0	99.2	54.8	155				
1,1-Dichloroethane	44	5	50	0	88.1	76.9	140				
cis-1,2-Dichloroethene	46	5	50	0	92.1	73.9	133				
Bromochloromethane	48	5	50	0	96.1	75.8	132				
Chloroform	47.3	5	50	0	94.7	74.3	130				
2,2-Dichloropropane	28.3	5	50	0	56.7	53.9	146				
1,2-Dichloroethane	48	5	50	0	95.9	72.6	144				
1,1,1-Trichloroethane	51	5	50	0	102	70.2	138				
1,1-Dichloropropene	47.7	5	50	0	95.4	69.7	146				
Carbon tetrachloride	53.3	5	50	0	107	58.2	141				
Benzene	43.8	2.5	50	0	87.6	67.8	140				
Dibromomethane	47.2	5	50	0	94.4	75.2	144				
1,2-Dichloropropane	43.8	5	50	0	87.5	75.3	144				
Trichloroethene	43.7	5	50	0	87.4	65.7	131				
Bromodichloromethane	44.9	5	50	0	89.7	70.2	141				
cis-1,3-Dichloropropene	44.1	5	50	0	88.2	56.9	132				
trans-1,3-Dichloropropene	43.5	5	50	0	87.0	72	131				
1,1,2-Trichloroethane	45.9	5	50	0	91.8	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-068/APN-012-302-14

TestCode: VOC_W

Sample ID: 2103126-03AMS			SampType: MS			TestCode: VOC_W			Units: µg/L		
Client ID: BRN-068-B9-H2OMS			Batch ID: A12631			TestNo: SW8260C					
Prep Date: 3/26/2021			RunNo: 11222			SeqNo: 316264					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	42.2	2.5	50	0	84.4	67.2	131				
1,3-Dichloropropane	41.1	5	50	0	82.1	74.2	124				
Dibromochloromethane	45.6	5	50	0	91.2	71.5	134				
1,2-Dibromoethane (EDB)	92.3	10	100	0	92.3	74.7	129				
Tetrachloroethene	47.8	5	50	0	95.5	45.9	138				
1,1,1,2-Tetrachloroethane	48.9	5	50	0	97.8	75.7	125				
Chlorobenzene	45.7	5	50	0	91.5	73.7	120				
Ethylbenzene	45.7	2.5	50	0	91.4	70.3	122				
m,p-Xylene	45.6	2.5	50	0	91.2	52.9	136				
Bromoform	45.7	5	50	0	91.4	61.5	141				
Styrene	44.8	5	50	0	89.6	74	130				
o-Xylene	46.7	2.5	50	0	93.4	67.3	129				
1,1,2,2-Tetrachloroethane	48.1	5	50	0	96.2	62.4	153				
1,2,3-Trichloropropane	89.1	10	100	0	89.1	37.4	171				
Isopropylbenzene	46.1	5	50	0	92.3	63	132				
Bromobenzene	45.2	5	50	0	90.4	65.1	120				
n-Propylbenzene	46.1	5	50	0	92.2	58.2	128				
4-Chlorotoluene	44.1	5	50	0	88.3	63.9	127				
2-Chlorotoluene	44.3	5	50	0	88.7	63.2	126				
1,3,5-Trimethylbenzene	48	5	50	0	96.0	63.8	138				
tert-Butylbenzene	46.6	5	50	0	93.2	59.7	128				
1,2,4-Trimethylbenzene	47.8	5	50	0	95.5	65.1	135				
sec-Butylbenzene	45.5	5	50	0	91.1	55.5	128				
1,3-Dichlorobenzene	44.5	5	50	0	89.0	64.5	122				
1,4-Dichlorobenzene	45.3	5	50	0	90.6	63.7	121				
4-Isopropyltoluene	46.3	5	50	0	92.5	58	135				
1,2-Dichlorobenzene	43.5	5	50	0	86.9	66.7	122				
n-Butylbenzene	44.1	5	50	0	88.2	52.7	139				
1,2-Dibromo-3-chloropropane (DBCP)	227	15	250	0	90.7	59.1	143				
1,2,4-Trichlorobenzene	44.2	10	50	0	88.4	47.1	139				
Naphthalene	39.6	10	50	0	79.3	31.6	164				
Hexachlorobutadiene	85.2	10	100	0	85.2	45.6	123				
1,2,3-Trichlorobenzene	41.4	10	50	0	82.8	17.7	171				
Surr: 1,2-Dichloroethane-d4	48.2		50		96.4	69.51	130.49				
Surr: Toluene-d8	48.9		50		97.9	69.51	130.49				
Surr: 4-Bromofluorobenzene	47.5		50		95.0	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#: 2103126
Date: 3/26/2021

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: MGA2103126
Report Due By: 26-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-068/APN-012-302-14

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	VOC_W		
MGA2103126-01	BRN-068-B9@0-3'	SO	3/17/2021 8:45:00 AM	1	0	5	A - TPH/E_N	A - GAS-N		
MGA2103126-02	BRN-068-B9@32'	SO	3/17/2021 10:40:00 AM	1	0	5	A - TPH/E_N	A - GAS-N		
MGA2103126-03	BRN-068-B9-H2O	AQ	3/17/2021 10:45:00 AM	4	0	5		A - 8260/M_N		
MGA2103126-04	BRN-068-B10@0-3'	SO	3/17/2021 11:20:00 AM	1	0	5	A - TPH/E_N	A - GAS-N		
MGA2103126-05	BRN-068-B10@32'	SO	3/17/2021 12:50:00 PM	1	0	5	A - TPH/E_N	A - GAS-N		
MGA2103126-06	BRN-068-B10-H2O	AQ	3/17/2021 12:55:00 PM	4	0	5		A - 8260/M_N		
MGA2103126-07	BRN-068-Trip Blank	AQ	3/17/2021	1	0	5		A - 8260/M_N		Reno TB 10/5/20
MGA2103126-08	BRN-068-H2O-Duplicate	AQ	3/17/2021	4	0	5		A - 8260/M_N		

Comments: Sediment in voas.

Signature	Print Name	Company	Date/Time
K Murray	K Murray	Alpha Analytical, Inc.	3-19-21 1330

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:

Billing Information:
MC Grady



Alpha Analytical, Inc.
2255 Glendale Ave, Suite 21 S

Satellite Service Centers:
Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95820
Northern NV: 350 7th St., Elko, NV 89801

Phone: 916-366-8089
Phone: 775-355-7043

1

QC Deliverable Info:									
Report Attention/Project Manager:					EDD Required? Yes / No EDF Required? Yes / No				
Consultant/ Client Info:		Job and Purchase Order Info:			Name:		Global ID:		
Company: Address:	City, State, Zip:	Job #: Job Name:	P.O. #:	Phone #:	Email Address:	Data Validation Packages:	III	or	IV
<u>MC Grail</u>		<u>BRN-068</u>							
		<u>APN-012-302-14</u>							
Samples Collected from which State? (circle one) AR CA KS NV OR WA Other									
Analysis Requested									
Time Sampled (HH:MM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers* (See Key Below)	Field Filtered?	Yes	No
0845	3/17	SD	<u>MCA2103126-01</u>	BRN-068-B9-0-3'	5	15	X	X	
1040	11	SD		BRN-068-B9-32'	11	15	X	X	
1045	11	AQ		BRN-068-B9-H2O	11	4V	X		X
1120	11	SD		BRN-068-B10-0-3'	11	15	X		
1250	11	SD		BRN-068-B10-0-32'	11	15	X		
1255	11	AQ		BRN-068-B10-H2O	11	4V	X		
NA	11	AQ		BRN-068-Trip Blank	11	1V	X		
NA	NA	AQ		BRN-068-H2O-Duplicate	11	4V	X		

ADDITIONAL INSTRUCTIONS:

Information concerning the location of collection or time of collection is considered **fraud** and may be grounds for local action. NAC 445 0636 (c) (2)

Sampled By:	<u>Dorcas Parcells</u>	Received by (Signature/Affiliation): <u>Kun</u>	Date: <u>3/19/21</u>	Time: <u>10:40</u>
Released by (Signature/Affiliation): <u>T. Page</u>	Date: <u>3/19/21</u>	Received by (Signature/Affiliation): <u>Kun</u>	Date: <u>3/19/21</u>	Time: <u>10:40</u>
Releasing by (Signature/Affiliation): <u>T. Page</u>	Date: <u>3/19/21</u>	Received by (Signature/Affiliation): <u>Kun</u>	Date: <u>3/19/21</u>	Time: <u>10:40</u>

Relinquished by: _____ Received by: _____ Date: _____ Time: _____

27 * Key: AQ - Aqueous AR-Air OT - Other So-Soil WA - Waste ** B - Brass L - Liter O - Orbs 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.

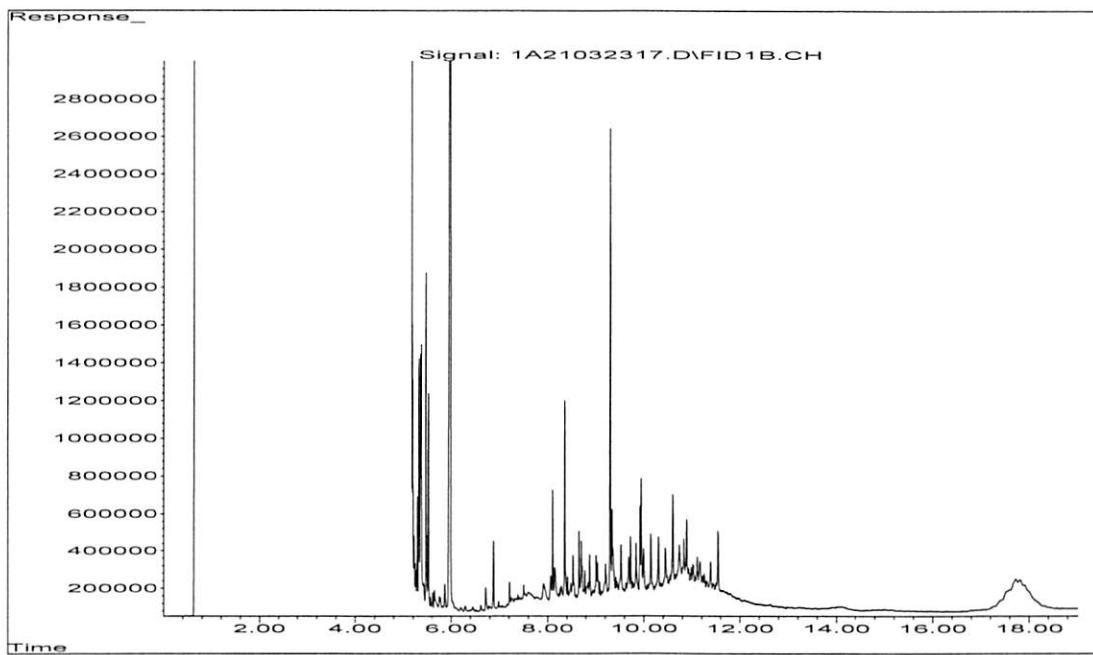
Sample Name: MGA2103126-01
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21032317.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/23/21 23:32
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 17

Result 7
 Peer/QAQC EV3/26/21
 Report EV3/26/21
 Final EV3/26/21

Jg 3-26-21

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	5.98	153211281.1	5.7324	ppm	
	Spiked Amt	6.00	%Recovery	95.54		
2)	TPH-E (GRO)	7.50	57986202.65	2.23	ppm	
3)	TPH-E (JFRO)	7.50	186172990.3	7.145	ppm	
4)	TPH-E (DRO)	9.00	170044982.1	6.526	ppm	L
5)	TPH-E (ORO)	11.00	370477739.4	17.458	ppm	C
6)	TPH (Extractable)	7.50	555378671.7	21.31	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

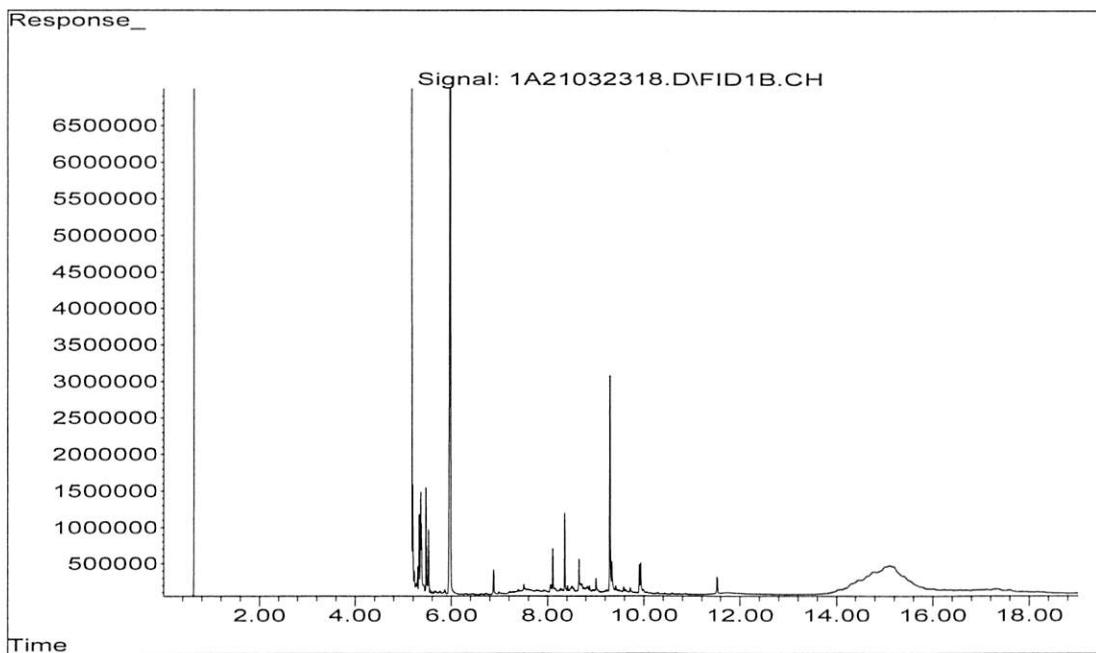


Sample Name: **MGA2103126-02**
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21032318.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/23/21 23:58
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 18

Result Z
 Peer/QAQC _____
 Report PR
 Final SJ

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	5.98	156848506.4	5.8685	ppm	
	Spiked Amt	6.00	%Recovery	97.81		
2)	TPH-E (GRO)	7.50	40419335.64	1.55	ppm	
3)	TPH-E (JFRO)	7.50	126299501.7	4.847	ppm	
4)	TPH-E (DRO)	9.00	114029976	4.376	ppm	
5)	TPH-E (ORO)	11.00	124913914.3	5.886	ppm	
6)	TPH (Extractable)	7.50	524715464.7	20.14	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

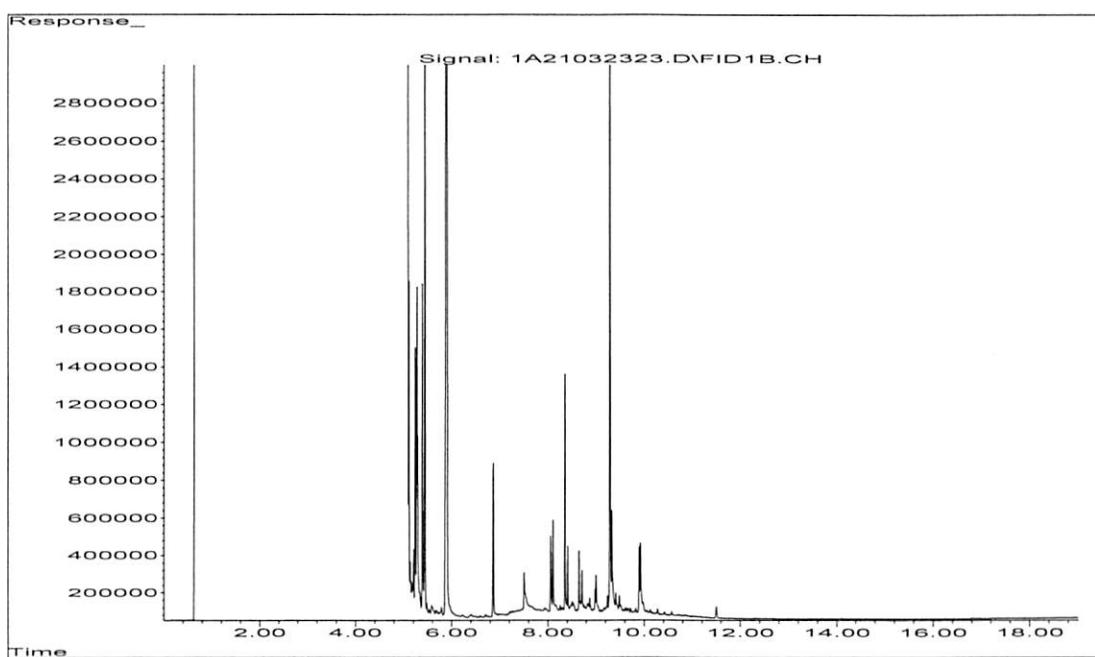


Sample Name: MGA2103126-04
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21032323.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/24/21 02:11
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 23

Result J
 Peer/QAQC _____
 Report W
 Final W

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	5.90	161125479.4	6.0285	ppm	
	Spiked Amt	6.00	%Recovery	100.48		
2)	TPH-E (GRO)	7.50	50838252.13	1.95	ppm	
3)	TPH-E (JFRO)	7.50	138039287.2	5.298	ppm	
4)	TPH-E (DRO)	9.00	123818502	4.752	ppm	
5)	TPH-E (ORO)	11.00	37150616.07	1.751	ppm	
6)	TPH (Extractable)	7.50	175698947	6.74	ppm	

		RL (SOIL)			RL(WATER)		
		NV	CA	OR	NV	CA	OR
		10	5	25	0.5	0.05	0.25
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: MGA2103126-05
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21032324.D
 Data File Path: C:\msdchem\FID01\DATA\210323\
 Date Acquired: 3/24/21 02:38
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 24

Result J
 Peer/QAQC _____
 Report W
 Final J

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	5.97	160827605.9	6.0174	ppm	
	Spiked Amt	6.00	%Recovery	100.29		
2)	TPH-E (GRO)	7.50	23920555.07	0.92	ppm	
3)	TPH-E (JFRO)	7.50	77286636.09	2.966	ppm	
4)	TPH-E (DRO)	9.00	69812486.43	2.679	ppm	
5)	TPH-E (ORO)	11.00	16236088.86	0.765	ppm	
6)	TPH (Extractable)	7.50	94379667.22	3.62	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

