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LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

**APN 012-304-01
44 & 50 KIETZKE LANE
Reno, Washoe County, NV 89502**

**NDEP Contract #DEP17-026
Task MA29-21**

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

Prepared for:

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

On Behalf of:

The Reno Sparks Indian Colony

May 4, 2021

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1. INTRODUCTION

McGinley & Associates (McGinley) has prepared this report describing Limited Phase II Environmental Site Assessment (ESA) activities conducted at Washoe County Assessor Parcel Numbers (APN) 012-304-01 (Site). The Site is located at street addresses 44 and 50 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 MA29-21. 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 two soil borings (B4 and B5) 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:

- The Site has included various automotive occupants for several decades; however, records regarding operations onsite are limited. While the existing office does not appear to include plumbing or floor drains, an apparent wash pad was observed. The wash pad was observed to contain a drain; however, the discharge point of this drain is unknown. The Site was historically developed with other structures and detailed records of those operations were not identified. The parcel was reportedly equipped with at least one septic system. 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, two 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 B4 was advanced proximal to the wash pad area and boring B5 was advanced downgradient of the parcel. It could not be determined where the former septic system was located; therefore, boring B5 was used to capture downgradient information. The borings were advanced to approximately 40 feet below ground surface (bgs). Groundwater was encountered in both borings at approximately 38 (B4) and 40 (B5) 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 backfill material with asphalt chips used for dust control. 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. Sample BRN-070-B4@0-3' was 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:

- A detectable concentration of TPH in the diesel range (DRO) was reported in *BRN-070-B4@0-3'* (32 mg/kg). It should be noted that the DRO concentration may include contributions from heavier-end hydrocarbons (e.g. motor oil) that elute in the DRO range.
- A detectable concentration of TPH in the oil range (ORO) was reported in *BRN-070-B4@0-3'* (320 mg/kg).
- It should be noted that, based on review of the chromatogram, the DRO/ORO concentrations reported in sample BRN-070-B4@0-3' included heavier-end hydrocarbons that are consistent with asphaltic material.
- All concentrations of TPH in the gasoline range of organics (GRO), VOCs, and PNAs were reported below the laboratory reporting limits.

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 QA/QC

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

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

6.2 Soil Sampling QA/QC

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

- 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 dichlorodifluoromethane (MSD – soil and water), chloromethane (MSD – soil and water), vinyl chloride (MSD – water), bromomethane (MSD and MS – water), and trichlorofluoromethane (MS – water) were qualified as being outside of acceptable recovery limits. Based on the analytical reports, the recoveries for both the soil MSD and water MS were biased on the low side.
- The reported results for the constituents with recovery issues are below laboratory detection limits in all samples and, although laboratory or matrix interferences may have occurred during sample analysis of these constituents, it appears that the data remains useable for the purposes of this report.

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

7. FINDINGS

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

- Two soil borings were advanced to groundwater in locations to assess the RECs noted in the Phase I ESA. In general, these boring locations were proximal to the wash pad and then downgradient of the parcel. The exact location of the septic system is unknown and as such boring B5 was used to assess the downgradient side of the parcel.
- Surface conditions consisted of a mix of gravel and backfill material with asphalt chips used for dust control. The soil was generally classified as well graded sand and gravel, clayey gravels, silty gravels, and significant layers of cobbles and boulders associated with the Truckee River Formation.

- Analytical results from one collected soil samples exhibited concentrations of DRO up to 32 mg/kg and concentrations of ORO up to 320 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 boring B4@0-3' was also analyzed for VOC and PNAs. All results were below the laboratory reporting liming.
- All groundwater sample results were below the laboratory reporting limit.

8. CONCLUSION AND RECOMMENDATIONS

Analytical results in soil samples indicated a concentration of TPH above the NDEP screening level of 100 mg/kg is present in boring B4; however, based on notes from the laboratory, these concentrations were consistent with asphaltic material. Based on previous conversations with the NDEP, asphaltic material does not represent a reportable release. Additionally, concentrations of VOCs and PNAs were reported below the laboratory reporting limits further indicating that the elevated TPH results do not represent a threat to human health or the environment. As such, 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) GRO
				DRO	ORO	
B4	BRN-070-B4@0-3'	10-Mar-21	2.0	32 L*	320*	<10
	BRN-070-B4@37'	10-Mar-21	37	<10	<10	<10
B5	BRN-070-B5@0-3'	11-Mar-21	2.0	<10	<10	<10
	BRN-070-B5@38'	11-Mar-21	38	<10	<10	<10

fbs feet below ground surface
 TPH-E total petroleum hydrocarbons - extractable
 ORO oil range organics
 DRO diesel range organics
 mg/kg milligrams per kilogram
 * Reported DRO/ORO concentrations include heavier-end hydrocarbons that are consistent with asphaltic material.
 L DRO concentration may include contributions from heavier-end hydrocarbons (e.g. motor oil) that elute in the DRO range.
 Note: Samples BRN-070-B4@0-3' was analyzed for PNAs and full suite VOCs; however, all analytes were reported below the laboratory reporting limits.

FIGURES



FIGURE 1

TITLE:

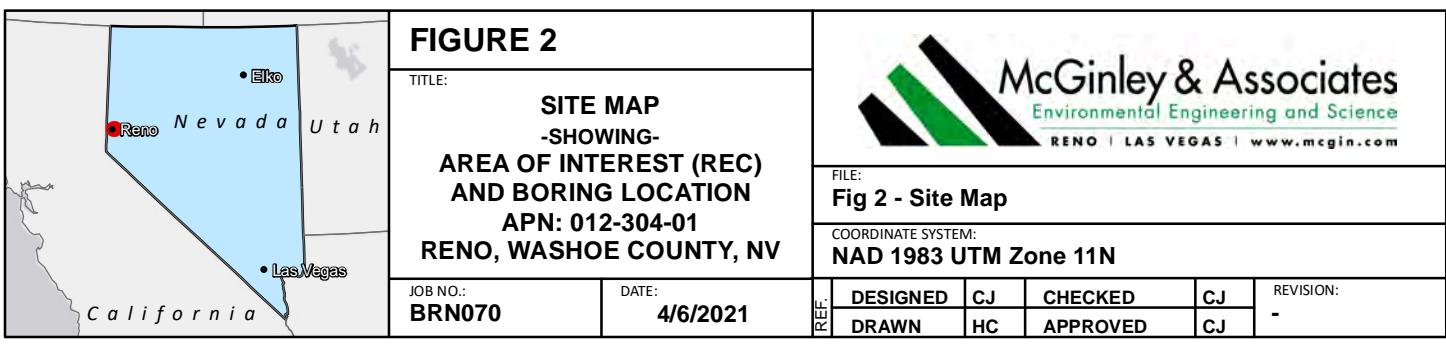
**PROJECT LOCATION MAP
-SHOWING-
50 KIETZKE LN
APN: 012-304-01
RENO, WASHOE COUNTY, NV**



FILE:
Fig 1 - Project Location Map

COORDINATE SYSTEM:
NAD 1983 UTM Zone 11N

JOB NO.:	DATE:	REF.	DESIGNED	AH	CHECKED	AH	REVISION:
BRN070	3/23/2021		DRAWN	HC	APPROVED	CJ	-



APPENDIX A

Boring Logs

Borehole ID: B4

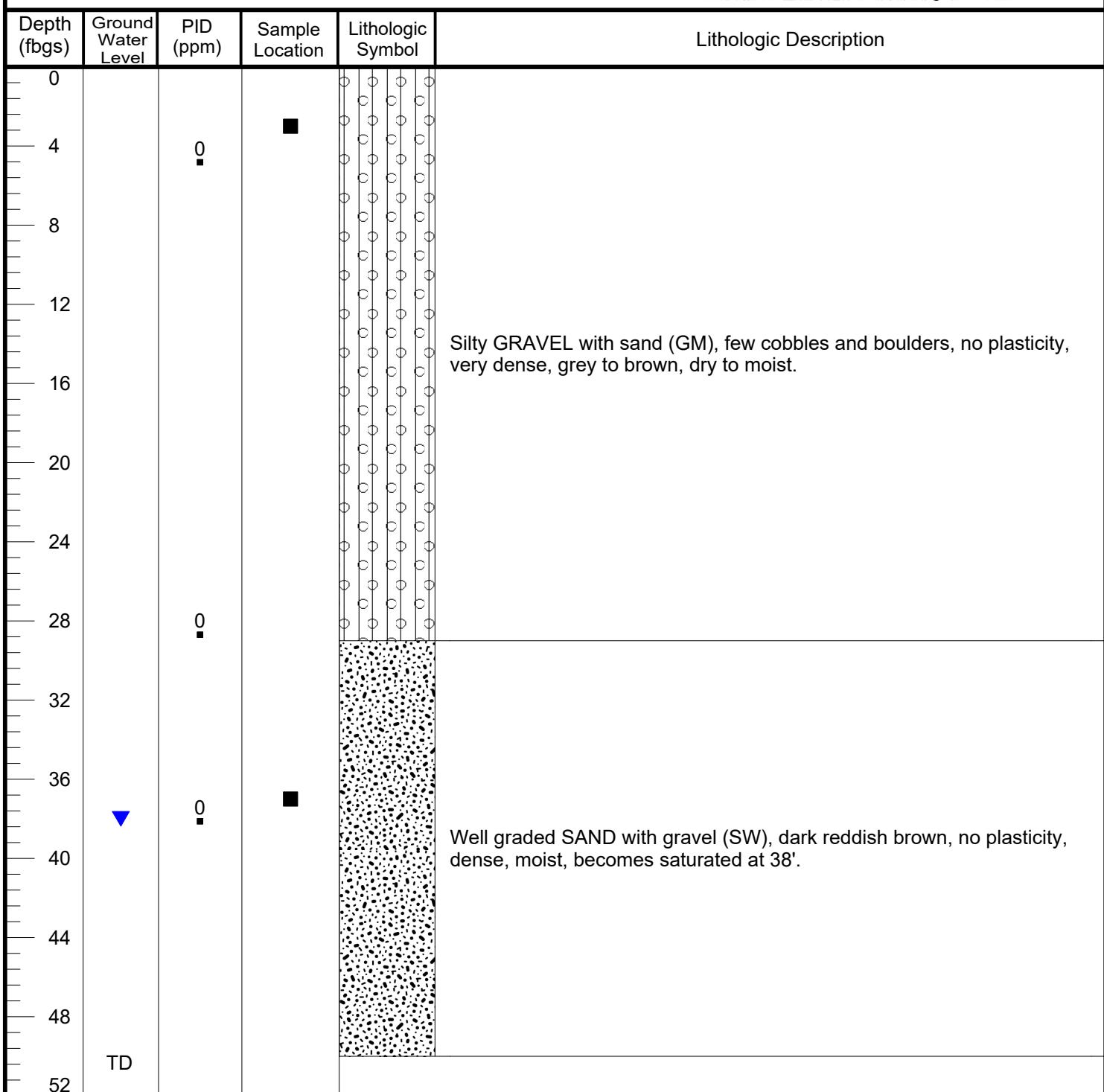
Project Number: BRN070

Project Name: Brownfields - Sunshine Lane

Location: APN 012-304-01

Project Manager: C. Jelle

Logged By: D. Parcells



Driller: Gregory
Drilling Method: Sonic
Date: 3/10/2021
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: B5

Project Number: BRN070

Project Name: Brownfields - Sunshine Lane

Location: APN 012-304-01

Project Manager: C. Jelle

Logged By: D. Parcells



McGinley & Associates

Environmental Engineering and Science

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Driller: Gregory

Drilling Method: Sonic

Date: 3/11/2021

Borehole Diameter: 6-inch

Boring Angle: Vertical

NOTE:

Boring backfilled with soil cuttings.

Legend

fbgs Feet Below Ground Surface

TD Total Depth

PID 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 07, 2021

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

RE: APN-012-304-01/BRN-070

Order No.: MGA2103079

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.

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



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/10/2021 11:45:00 AM
Project: APN-012-304-01/BRN-070
Lab ID: 2103079-01 **Matrix:** SOIL
Client Sample ID: BRN-070-B4@0-3'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
Naphthalene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
2-Methylnaphthalene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
1-Methylnaphthalene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Acenaphthylene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Acenaphthene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Fluorene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Phenanthrene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Anthracene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Fluoranthene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Pyrene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Benzo(a)anthracene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Chrysene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Benzo(b&k)fluoranthene, isomeric pair	ND	50	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Benzo(a)pyrene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Indeno(1,2,3-cd)pyrene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Dibenz(a,h)anthracene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Benzo(g,h,i)perylene	ND	25	H	µg/Kg	4/6/2021	PNAs by EPA 8270SIM
Surr: 2-Fluorobiphenyl	88	52-130	H	%Rec	4/6/2021	PNAs by EPA 8270SIM
Surr: 4-Terphenyl-d14	89	54-158	H	%Rec	4/6/2021	PNAs by EPA 8270SIM

NOTES:

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

TPH-E (DRO)	32	10	L	mg/Kg	3/18/2021	TPH-E by EPA 8015C
TPH-E (ORO)	320	10		mg/Kg	3/18/2021	TPH-E by EPA 8015C
Surr: Nonane	93	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	104	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	102	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
1,2-Dichloroethane	ND	20		µg/Kg	3/18/2021	VOCs by EPA 8260B



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/10/2021 11:45:00 AM
Project: APN-012-304-01/BRN-070
Lab ID: 2103079-01 **Matrix:** SOIL
Client Sample ID: BRN-070-B4@0-3'

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
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	104	70-130	%Rec	3/18/2021	VOCs by EPA 8260B	
Surr: Toluene-d8	100	70-130	%Rec	3/18/2021	VOCs by EPA 8260B	
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	3/18/2021	VOCs by EPA 8260B	



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Analytical Report

WO#: MGA2103079
Report Date: 4/7/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/10/2021 3:15:00 PM
Project: APN-012-304-01/BRN-070
Lab ID: 2103079-02 **Matrix:** SOIL
Client Sample ID: BRN-070-B4@37'

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	108	70-130		%Rec	3/19/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	101	70-130		%Rec	3/19/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	3/19/2021	TPH-P by EPA 8015C



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Analytical Report

WO#: MGA2103079
Report Date: 4/7/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/10/2021 4:00:00 PM
Project: APN-012-304-01/BRN-070
Lab ID: 2103079-03 **Matrix:** AQUEOUS
Client Sample ID: BRN-070-B4-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#: MGA2103079
Report Date: 4/7/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/10/2021 4:00:00 PM
Project: APN-012-304-01/BRN-070
Lab ID: 2103079-03 **Matrix:** AQUEOUS
Client Sample ID: BRN-070-B4-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	96	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	116	70-130		%Rec	3/16/2021	VOCs by EPA 8260



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Analytical Report

WO#: MGA2103079
Report Date: 4/7/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/11/2021 9:00:00 AM
Project: APN-012-304-01/BRN-070
Lab ID: 2103079-04 **Matrix:** SOIL
Client Sample ID: BRN-070-B5@0-3'

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	100	70-130		%Rec	3/19/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	3/19/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	3/19/2021	TPH-P by EPA 8015C



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Analytical Report

WO#: MGA2103079
Report Date: 4/7/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/11/2021 1:40:00 PM
Project: APN-012-304-01/BRN-070
Lab ID: 2103079-05 **Matrix:** SOIL
Client Sample ID: BRN-070-B5@38'

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	98	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	94	70-130		%Rec	3/19/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	3/19/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	3/19/2021	TPH-P by EPA 8015C



CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/11/2021 1:50:00 PM
Project: APN-012-304-01/BRN-070
Lab ID: 2103079-06 **Matrix:** AQUEOUS
Client Sample ID: BRN-070-B5-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#: MGA2103079
Report Date: 4/7/2021

CLIENT: McGinley & Associates, Inc. **Collection Date:** 3/11/2021 1:50:00 PM
Project: APN-012-304-01/BRN-070
Lab ID: 2103079-06 **Matrix:** AQUEOUS
Client Sample ID: BRN-070-B5-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	95	70-130		%Rec	3/16/2021	VOCs by EPA 8260
Surr: Toluene-d8	102	70-130		%Rec	3/16/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	3/16/2021	VOCs by EPA 8260



CLIENT: McGinley & Associates, Inc.
Project: APN-012-304-01/BRN-070
Lab ID: 2103079-07
Client Sample ID: BRN-070-Trip Blank

Collection Date: 3/11/2021

Matrix: AQUEOUS

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#: MGA2103079
Report Date: 4/7/2021

CLIENT: McGinley & Associates, Inc.

Collection Date: 3/11/2021

Project: APN-012-304-01/BRN-070

Lab ID: 2103079-07

Matrix: AQUEOUS

Client Sample ID: BRN-070-Trip Blank

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	95	70-130		%Rec	3/16/2021	VOCs by EPA 8260
Surr: Toluene-d8	103	70-130		%Rec	3/16/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	3/16/2021	VOCs by EPA 8260



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QC SUMMARY REPORT

WO#: 2103079

07-Apr-21

Client: McGinley & Associates, Inc.
Project: APN-012-304-01/BRN-070

TestCode: PNA_SIM_S

Sample ID: MB-12686			SampType: MBLK			TestCode: PNA_SIM_S			Units: µg/Kg		
Client ID: PBS			Batch ID: 12686			TestNo: SW8270C			SW3550A		
Prep Date: 4/5/2021			RunNo: 11289			SeqNo: 317753					
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	240		312.5		76.1	48.7	168				
Surr: 4-Terphenyl-d14	250		312.5		81.1	36.7	182				

Sample ID: LCSD-12686			SampType: LCSD			TestCode: PNA_SIM_S			Units: µg/Kg		
Client ID: LCSS02			Batch ID: 12686			TestNo: SW8270C			SW3550A		
Prep Date: 4/5/2021			RunNo: 11289			SeqNo: 317756					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	277	25	312.5	0	88.5	79.5	160	281	1.5	32	
2-Methylnaphthalene	280	25	312.5	0	89.6	61.6	155	276	1.5	33	
1-Methylnaphthalene	260	25	312.5	0	83.2	79.5	158	260	0.077	30	
Acenaphthylene	311	25	312.5	0	99.6	79.5	176	333	6.7	36	
Acenaphthene	283	25	312.5	0	90.5	79.5	167	282	0.23	32	
Fluorene	274	25	312.5	0	87.6	79.5	160	273	0.095	42	
Phenanthrene	233	25	312.5	0	74.7	61.8	150	226	3.2	33	
Anthracene	251	25	312.5	0	80.5	79.5	166	259	3.1	42	
Fluoranthene	267	25	312.5	0	85.5	78	158	251	6.4	40	
Pyrene	255	25	312.5	0	81.5	75	163	234	8.6	49	
Benzo(a)anthracene	278	25	312.5	0	88.9	22.8	178	246	12	43	
Chrysene	265	25	312.5	0	84.9	60.9	183	214	21	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: APN-012-304-01/BRN-070

TestCode: PNA_SIM_S

Sample ID: LCSD-12686			SampType: LCSD			TestCode: PNA_SIM_S			Units: µg/Kg		
Client ID: LCSS02			Batch ID: 12686			TestNo: SW8270C			SW3550A		
Prep Date: 4/5/2021			RunNo: 11289			SeqNo: 317756					
Analysis Date: 4/6/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b&k)fluoranthene, isomeric pair	640	50	625	0	102	69.7	171	571	11	43	
Benzo(a)pyrene	241	25	312.5	0	77.1	55.2	163	246	2.1	34	
Indeno(1,2,3-cd)pyrene	260	25	312.5	0	83.0	59.5	151	307	17	45	
Dibenz(a,h)anthracene	217	25	312.5	0	69.3	41.5	159	275	24	47	
Benzo(g,h,i)perylene	238	25	312.5	0	76.2	72.8	160	260	8.7	50	
Surr: 2-Fluorobiphenyl	266		312.5		85.0	80	153	272	0	0	
Surr: 4-Terphenyl-d14	278		312.5		89.0	73.3	160	254	0	0	

Sample ID: LCS-12686			SampType: LCS			TestCode: PNA_SIM_S			Units: µg/Kg		
Client ID: LCSS			Batch ID: 12686			TestNo: SW8270C			SW3550A		
Prep Date: 4/5/2021			RunNo: 11289			SeqNo: 317755					
Analysis Date: 4/6/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	281	25	312.5	0	89.9	79.5	160				
2-Methylnaphthalene	276	25	312.5	0	88.3	61.6	155				
1-Methylnaphthalene	260	25	312.5	0	83.3	79.5	158				
Acenaphthylene	333	25	312.5	0	106	79.5	176				
Acenaphthene	282	25	312.5	0	90.3	79.5	167				
Fluorene	273	25	312.5	0	87.5	79.5	160				
Phenanthrene	259	25	312.5	0	82.8	61.8	150				
Anthracene	297	25	312.5	0	95.0	79.5	166				
Fluoranthene	287	25	312.5	0	91.8	78	158				
Pyrene	267	25	312.5	0	85.6	75	163				
Benzo(a)anthracene	246	25	312.5	0	78.7	22.8	178				
Chrysene	214	25	312.5	0	68.6	60.9	183				
Benzo(b&k)fluoranthene, isomeric pair	571	50	625	0	91.3	69.7	171				
Benzo(a)pyrene	246	25	312.5	0	78.7	55.2	163				
Indeno(1,2,3-cd)pyrene	307	25	312.5	0	98.2	59.5	151				
Dibenz(a,h)anthracene	275	25	312.5	0	88.0	41.5	159				
Benzo(g,h,i)perylene	260	25	312.5	0	83.1	72.8	160				
Surr: 2-Fluorobiphenyl	272		312.5		87.0	80	153				
Surr: 4-Terphenyl-d14	291		312.5		93.0	73.3	160				



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QC SUMMARY REPORT

WO#: 2103079

07-Apr-21

Client: McGinley & Associates, Inc.
Project: APN-012-304-01/BRN-070

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: BatchQC		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: BatchQC		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				

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#: 2103079

07-Apr-21

Client: McGinley & Associates, Inc.
Project: APN-012-304-01/BRN-070

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					
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					
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: BatchQC			Batch ID: A12550B			TestNo: SW8015					
Prep Date: 3/18/2021			RunNo: 11167			SeqNo: 315062					
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: BatchQC			Batch ID: A12550B			TestNo: SW8015					
Prep Date: 3/18/2021			RunNo: 11167			SeqNo: 315061					
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#: 2103079

07-Apr-21

Client: McGinley & Associates, Inc.
Project: APN-012-304-01/BRN-070

TestCode: TPH/P_S

Sample ID: 2103077-01AGS	SampType: GS	TestCode: TPH/P_S	Units: mg/Kg								
Client ID: BatchQC	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#: 2103079
07-Apr-21

Client: McGinley & Associates, Inc.
Project: APN-012-304-01/BRN-070

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#: 2103079

07-Apr-21

Client: McGinley & Associates, Inc.
Project: APN-012-304-01/BRN-070

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: APN-012-304-01/BRN-070

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: APN-012-304-01/BRN-070

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: APN-012-304-01/BRN-070

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



Client: McGinley & Associates, Inc.
Project: APN-012-304-01/BRN-070

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				
Bromoform	344	40	400	0	86.1	57.9	138				
2,2-Dichloropropane	340	40	400	0	85.0	56.3	127				
1,2-Dichloroethane	189	40	400	0	47.1	32.7	147				
1,1,1-Trichloroethane	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: APN-012-304-01/BRN-070

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



Client: McGinley & Associates, Inc.
Project: APN-012-304-01/BRN-070

TestCode: VOC_W

Sample ID: MB-12562		SampType: MBLK		TestCode: VOC_W		Units: µg/L					
Client ID: PBW		Batch ID: A12562		TestNo: SW8260C							
Prep Date: 3/16/2021		RunNo: 11156		SeqNo: 314917							
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



Alpha Analytical, Inc.
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QC SUMMARY REPORT

WO#: 2103079

07-Apr-21

Client: McGinley & Associates, Inc.
Project: APN-012-304-01/BRN-070

TestCode: VOC_W

Sample ID: MBLK-12562		SampType: MBLK		TestCode: VOC_W		Units: µg/L							
Client ID: PBW		Batch ID: A12562		TestNo: SW8260C									
Prep Date: 3/16/2021		RunNo: 11156		SeqNo: 314917									
Analysis Date: 3/16/2021		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		9.5		10		95.1		69.51	130.49				
Surr: Toluene-d8		10		10		102		69.51	130.49				
Surr: 4-Bromofluorobenzene		11		10		109		69.51	130.49				

Sample ID: LCS-12562		SampType: LCS		TestCode: VOC_W		Units: µg/L							
Client ID: LCSW		Batch ID: A12562		TestNo: SW8260C									
Prep Date: 3/16/2021		RunNo: 11156		SeqNo: 314916									
Analysis Date: 3/16/2021		Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane		11.3	1	10	0	113		16.9	124				
Chloromethane		6.96	2	10	0	69.6		25.9	136				
Vinyl chloride		9.44	1	10	0	94.4		47.8	132				
Chloroethane		10.2	1	10	0	102		62.3	169				
Bromomethane		3.48	2	10	0	34.8		33.8	135				
Trichlorofluoromethane		7.69	1	10	0	76.9		16.8	155				
1,1-Dichloroethene		9.4	1	10	0	94.0		65.2	129				
Dichloromethane		8.1	2	10	0	81.0		65.2	129				
trans-1,2-Dichloroethene		9.1	1	10	0	91.0		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: APN-012-304-01/BRN-070

TestCode: VOC_W

Sample ID: LCS-12562			SampType: LCS			TestCode: VOC_W			Units: µg/L		
Client ID: LCSW			Batch ID: A12562			TestNo: SW8260C					
Prep Date: 3/16/2021			RunNo: 11156			SeqNo: 314916					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	8.05	0.5	10	0	80.5	52.9	125				
1,1-Dichloroethane	9.51	1	10	0	95.1	66.6	129				
cis-1,2-Dichloroethene	9.17	1	10	0	91.7	59.2	131				
Bromochloromethane	9.27	1	10	0	92.7	65.9	121				
Chloroform	9.34	1	10	0	93.4	56.5	149				
2,2-Dichloropropane	9.83	1	10	0	98.3	58.2	146				
1,2-Dichloroethane	9.34	1	10	0	93.4	73.4	120.4				
1,1,1-Trichloroethane	9.21	1	10	0	92.1	52.7	144				
1,1-Dichloropropene	9.28	1	10	0	92.8	85.6	131				
Carbon tetrachloride	9.07	1	10	0	90.7	30.9	175				
Benzene	9.49	0.5	10	0	94.9	79.5	120.4				
Dibromomethane	9.11	1	10	0	91.1	78.5	120.4				
1,2-Dichloropropane	9.53	1	10	0	95.3	79.5	126				
Trichloroethene	8.96	1	10	0	89.6	69	120.4				
Bromodichloromethane	9.22	1	10	0	92.2	73.9	122				
cis-1,3-Dichloropropene	9.26	1	10	0	92.6	78.7	120.4				
trans-1,3-Dichloropropene	9.17	1	10	0	91.7	70.2	120.4				
1,1,2-Trichloroethane	9.43	1	10	0	94.3	76.2	120.4				
Toluene	9.57	0.5	10	0	95.7	79.7	126				
1,3-Dichloropropane	9.39	1	10	0	93.9	71.7	131				
Dibromochloromethane	8.71	1	10	0	87.1	79.5	120.4				
1,2-Dibromoethane (EDB)	18.9	2	20	0	94.6	76.4	120.4				
Tetrachloroethene	9.33	1	10	0	93.3	64	123				
1,1,1,2-Tetrachloroethane	8.89	1	10	0	88.9	77.9	120.4				
Chlorobenzene	9.61	1	10	0	96.1	70.9	120.4				
Ethylbenzene	8.47	0.5	10	0	84.7	77.5	120.4				
m,p-Xylene	8.58	0.5	10	0	85.8	74.8	120.4				
Bromoform	8.42	1	10	0	84.2	51.3	120.4				
Styrene	9.1	1	10	0	91.0	71.9	120.4				
o-Xylene	8.04	0.5	10	0	80.4	79.1	120.4				
1,1,2,2-Tetrachloroethane	9.2	1	10	0	92.0	55.6	138				
1,2,3-Trichloropropane	17.4	2	20	0	87.0	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	11.2	1	10	0	112	82.5	134				
4-Chlorotoluene	10.4	1	10	0	104	79.5	135				
2-Chlorotoluene	10.8	1	10	0	108	79.5	131				
1,3,5-Trimethylbenzene	9.02	1	10	0	90.2	79.5	135				
tert-Butylbenzene	10.9	1	10	0	109	79.5	139				
1,2,4-Trimethylbenzene	9.43	1	10	0	94.3	79.5	138				

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



Client: McGinley & Associates, Inc.
Project: APN-012-304-01/BRN-070

TestCode: VOC_W

Sample ID: LCS-12562			SampType: LCS			TestCode: VOC_W			Units: µg/L		
Client ID: LCSW			Batch ID: A12562			TestNo: SW8260C					
Prep Date: 3/16/2021			RunNo: 11156			SeqNo: 314916					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	10.8	1	10	0	108	79.5	132				
1,3-Dichlorobenzene	10.7	1	10	0	107	79.5	125				
1,4-Dichlorobenzene	10	1	10	0	100	79.5	123				
4-Isopropyltoluene	11.4	1	10	0	114	79.5	130				
1,2-Dichlorobenzene	9.88	1	10	0	98.8	79.5	121				
n-Butylbenzene	9.88	1	10	0	98.8	79.5	136				
1,2-Dibromo-3-chloropropane (DBCP)	46.5	3	50	0	92.9	72.1	136				
1,2,4-Trichlorobenzene	9.45	2	10	0	94.5	73.3	126				
Naphthalene	8.22	2	10	0	82.2	47.2	142				
Hexachlorobutadiene	18.1	2	20	0	90.6	31.2	170				
1,2,3-Trichlorobenzene	9.23	2	10	0	92.3	67.4	130				
Surr: 1,2-Dichloroethane-d4	10.7		10		106	69.51	130.5				
Surr: Toluene-d8	9.87		10		98.7	69.51	130.5				
Surr: 4-Bromofluorobenzene	10.6		10		106	69.51	130.5				

Sample ID: 2103061-01AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12562			TestNo: SW8260C					
Prep Date: 3/17/2021			RunNo: 11156			SeqNo: 314937					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	57.3	5	50	0	115	5.1	155	26.7	73	38	R
Chloromethane	40.5	10	50	0	80.9	37.7	121	25.4	46	22.5	R
Vinyl chloride	48.6	5	50	0	97.2	60.4	140	33.9	36	23.9	R
Chloroethane	24.6	5	50	0	49.1	43.1	206	29.1	17	22.9	
Bromomethane	14.9	10	50	0	29.7	12.6	168	5.22	96	48	R
Trichlorofluoromethane	33.4	5	50	0	66.7	58.6	163	28.4	16	33.3	
1,1-Dichloroethene	47.9	5	50	0	95.8	69.8	158	44.7	6.9	21.7	
Dichloromethane	44.1	10	50	0	88.2	71.7	132	42.1	4.7	20	
trans-1,2-Dichloroethene	47.9	5	50	0	95.7	72	136	44.7	6.9	19.2	
Methyl tert-butyl ether (MTBE)	43.2	2.5	50	0	86.4	54.8	155	44.3	2.6	21.4	
1,1-Dichloroethane	50.3	5	50	0	101	76.9	140	50	0.52	18	
cis-1,2-Dichloroethene	48.7	5	50	0	97.4	73.9	133	48	1.4	20.1	
Bromochloromethane	46.4	5	50	0	92.7	75.8	132	46.6	0.41	23.5	
Chloroform	49.4	5	50	0	98.9	74.3	130	49.9	0.93	18	
2,2-Dichloropropane	53.2	5	50	0	106	53.9	146	43.1	21	52.3	
1,2-Dichloroethane	49	5	50	0	97.9	72.6	144	49.9	2	17.1	
1,1,1-Trichloroethane	48.4	5	50	0	96.7	70.2	138	47.6	1.6	22.2	
1,1-Dichloropropene	48	5	50	0	96.0	69.7	146	46.2	3.7	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: APN-012-304-01/BRN-070

TestCode: VOC_W

Sample ID: 2103061-01AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12562			TestNo: SW8260C					
Prep Date: 3/17/2021			RunNo: 11156			SeqNo: 314937					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	47.1	5	50	0	94.2	58.2	141	46.1	2.2	31.9	
Benzene	49.9	2.5	50	0	99.9	67.8	140	50.1	0.36	18.1	
Dibromomethane	48.1	5	50	0	96.2	75.2	144	48.4	0.68	19.5	
1,2-Dichloropropane	50.6	5	50	0	101	75.3	144	52.3	3.4	19.7	
Trichloroethene	47.1	5	50	0	94.1	65.7	131	45.2	4	25.3	
Bromodichloromethane	48.3	5	50	0	96.6	70.2	141	51.2	5.9	20.5	
cis-1,3-Dichloropropene	49.3	5	50	0	98.6	56.9	132	47	4.8	25.8	
trans-1,3-Dichloropropene	48.8	5	50	0	97.5	72	131	49.2	0.92	26.4	
1,1,2-Trichloroethane	49.5	5	50	0	99.0	74	130	51.8	4.4	21.9	
Toluene	50.9	2.5	50	0	102	67.2	131	50.1	1.5	18.3	
1,3-Dichloropropane	49.2	5	50	0	98.5	74.2	124	50	1.5	21.7	
Dibromochloromethane	44.2	5	50	0	88.4	71.5	134	46.8	5.9	24.1	
1,2-Dibromoethane (EDB)	99	10	100	0	99.0	74.7	129	101	1.6	23.1	
Tetrachloroethene	47.9	5	50	0	95.7	45.9	138	43.4	9.7	30.9	
1,1,1,2-Tetrachloroethane	46.6	5	50	0	93.2	75.7	125	48.4	3.7	22.6	
Chlorobenzene	49.6	5	50	0	99.3	73.7	120	50.6	1.9	23.1	
Ethylbenzene	44.2	2.5	50	0	88.4	70.3	122	45.2	2.3	25.3	
m,p-Xylene	45.1	2.5	50	0	90.2	52.9	136	45.8	1.6	26.6	
Bromoform	42	5	50	0	83.9	61.5	141	46.3	9.7	25	
Styrene	46.7	5	50	0	93.4	74	130	48.4	3.7	26	
o-Xylene	42.5	2.5	50	0	85.1	67.3	129	44.1	3.5	25	
1,1,2,2-Tetrachloroethane	47.4	5	50	0	94.8	62.4	153	51.4	8.2	24.6	
1,2,3-Trichloropropane	91	10	100	0	91.0	37.4	171	94.1	3.4	50	
Isopropylbenzene	55.6	5	50	0	111	63	132	57.7	3.6	33.1	
Bromobenzene	56.6	5	50	0	113	65.1	120	58.8	3.8	23.6	
n-Propylbenzene	57.7	5	50	0	115	58.2	128	58.9	2	32.4	
4-Chlorotoluene	53.9	5	50	0	108	63.9	127	54.3	0.7	29.1	
2-Chlorotoluene	56	5	50	0	112	63.2	126	58	3.5	28.9	
1,3,5-Trimethylbenzene	46.2	5	50	0	92.4	63.8	138	47.6	3	31.9	
tert-Butylbenzene	55.9	5	50	0	112	59.7	128	58.4	4.4	36.2	
1,2,4-Trimethylbenzene	48.3	5	50	0	96.5	65.1	135	50.4	4.3	28.8	
sec-Butylbenzene	54.5	5	50	0	109	55.5	128	55.6	2	40.9	
1,3-Dichlorobenzene	52.9	5	50	0	106	64.5	122	54.6	3.3	28.6	
1,4-Dichlorobenzene	49.9	5	50	0	99.8	63.7	121	51	2.1	27.7	
4-Isopropyltoluene	56.3	5	50	0	113	58	135	56.3	0.18	40.4	
1,2-Dichlorobenzene	49.1	5	50	0	98.3	66.7	122	51.9	5.4	24.5	
n-Butylbenzene	47	5	50	0	93.9	52.7	139	46.5	1	43.5	
1,2-Dibromo-3-chloropropane (DBCP)	237	15	250	0	94.8	59.1	143	277	16	24.9	
1,2,4-Trichlorobenzene	43.8	10	50	0	87.6	47.1	139	47.5	8.1	35	
Naphthalene	42.9	10	50	0	85.7	31.6	164	56.5	27	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#: 2103079

07-Apr-21

Client: McGinley & Associates, Inc.
Project: APN-012-304-01/BRN-070

TestCode: VOC_W

Sample ID: 2103061-01AMSD			SampType: MSD			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12562			TestNo: SW8260C					
Prep Date: 3/17/2021			RunNo: 11156			SeqNo: 314937					
Analysis Date: 3/17/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	82.8	10	100	0	82.8	45.6	123	84.1	1.6	48	
1,2,3-Trichlorobenzene	42.9	10	50	0	85.8	17.7	171	49.3	14	57	
Surr: 1,2-Dichloroethane-d4	53.5		50		107	69.51	130.49	53.5	0	0	
Surr: Toluene-d8	49.4		50		98.8	69.51	130.49	47.7	0	0	
Surr: 4-Bromofluorobenzene	53.4		50		107	69.51	130.49	53.8	0	0	

Sample ID: 2103061-01AMS			SampType: MS			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12562			TestNo: SW8260C					
Prep Date: 3/16/2021			RunNo: 11156			SeqNo: 314915					
Analysis Date: 3/16/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	26.7	5	50	0	53.3	5.1	155				
Chloromethane	25.4	10	50	0	50.9	37.7	121				
Vinyl chloride	33.9	5	50	0	67.9	60.4	140				
Chloroethane	29.1	5	50	0	58.2	43.1	206				
Bromomethane	5.22	10	50	0	10.4	12.6	168				S
Trichlorofluoromethane	28.4	5	50	0	56.7	58.6	163				S
1,1-Dichloroethene	44.7	5	50	0	89.5	69.8	158				
Dichloromethane	42.1	10	50	0	84.2	71.7	132				
trans-1,2-Dichloroethene	44.7	5	50	0	89.4	72	136				
Methyl tert-butyl ether (MTBE)	44.3	2.5	50	0	88.7	54.8	155				
1,1-Dichloroethane	50	5	50	0	100	76.9	140				
cis-1,2-Dichloroethene	48	5	50	0	96.1	73.9	133				
Bromoform	46.6	5	50	0	93.1	75.8	132				
2,2-Dichloropropane	49.9	5	50	0	99.8	74.3	130				
1,2-Dichloroethane	43.1	5	50	0	86.3	53.9	146				
1,1,1-Trichloroethane	49.9	5	50	0	99.9	72.6	144				
1,1,1-Dichloropropene	47.6	5	50	0	95.2	70.2	138				
1,1-Dichloropropene	46.2	5	50	0	92.5	69.7	146				
Carbon tetrachloride	46.1	5	50	0	92.2	58.2	141				
Benzene	50.1	2.5	50	0	100	67.8	140				
Dibromomethane	48.4	5	50	0	96.8	75.2	144				
1,2-Dichloropropane	52.3	5	50	0	105	75.3	144				
Trichloroethene	45.2	5	50	0	90.4	65.7	131				
Bromodichloromethane	51.2	5	50	0	102	70.2	141				
cis-1,3-Dichloropropene	47	5	50	0	94.1	56.9	132				
trans-1,3-Dichloropropene	49.2	5	50	0	98.4	72	131				
1,1,2-Trichloroethane	51.8	5	50	0	104	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: APN-012-304-01/BRN-070

TestCode: VOC_W

Sample ID: 2103061-01AMS			SampType: MS			TestCode: VOC_W			Units: µg/L		
Client ID: BatchQC			Batch ID: A12562			TestNo: SW8260C					
Prep Date: 3/16/2021			RunNo: 11156			SeqNo: 314915					
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	50.1	2.5	50	0	100	67.2	131				
1,3-Dichloropropane	50	5	50	0	99.9	74.2	124				
Dibromochloromethane	46.8	5	50	0	93.7	71.5	134				
1,2-Dibromoethane (EDB)	101	10	100	0	101	74.7	129				
Tetrachloroethene	43.4	5	50	0	86.9	45.9	138				
1,1,1,2-Tetrachloroethane	48.4	5	50	0	96.8	75.7	125				
Chlorobenzene	50.6	5	50	0	101	73.7	120				
Ethylbenzene	45.2	2.5	50	0	90.4	70.3	122				
m,p-Xylene	45.8	2.5	50	0	91.7	52.9	136				
Bromoform	46.3	5	50	0	92.5	61.5	141				
Styrene	48.4	5	50	0	96.8	74	130				
o-Xylene	44.1	2.5	50	0	88.1	67.3	129				
1,1,2,2-Tetrachloroethane	51.4	5	50	0	103	62.4	153				
1,2,3-Trichloropropane	94.1	10	100	0	94.1	37.4	171				
Isopropylbenzene	57.7	5	50	0	115	63	132				
Bromobenzene	58.8	5	50	0	118	65.1	120				
n-Propylbenzene	58.9	5	50	0	118	58.2	128				
4-Chlorotoluene	54.3	5	50	0	109	63.9	127				
2-Chlorotoluene	58	5	50	0	116	63.2	126				
1,3,5-Trimethylbenzene	47.6	5	50	0	95.2	63.8	138				
tert-Butylbenzene	58.4	5	50	0	117	59.7	128				
1,2,4-Trimethylbenzene	50.4	5	50	0	101	65.1	135				
sec-Butylbenzene	55.6	5	50	0	111	55.5	128				
1,3-Dichlorobenzene	54.6	5	50	0	109	64.5	122				
1,4-Dichlorobenzene	51	5	50	0	102	63.7	121				
4-Isopropyltoluene	56.3	5	50	0	112	58	135				
1,2-Dichlorobenzene	51.9	5	50	0	104	66.7	122				
n-Butylbenzene	46.5	5	50	0	92.9	52.7	139				
1,2-Dibromo-3-chloropropane (DBCP)	277	15	250	0	111	59.1	143				
1,2,4-Trichlorobenzene	47.5	10	50	0	95.0	47.1	139				
Naphthalene	56.5	10	50	0	113	31.6	164				
Hexachlorobutadiene	84.1	10	100	0	84.2	45.6	123				
1,2,3-Trichlorobenzene	49.3	10	50	0	98.6	17.7	171				
Surr: 1,2-Dichloroethane-d4	53.5		50		107	69.51	130.49				
Surr: Toluene-d8	47.7		50		95.5	69.51	130.49				
Surr: 4-Bromofluorobenzene	53.8		50		108	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#: 2103079
Date: 4/6/2021

Definitions:

ND = Not Detected

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

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

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

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

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

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

O = Reporting Limits were increased due to sample foaming.

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

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

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

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

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

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

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

S54 = Surrogate recovery was below laboratory acceptance limits.

S55 = Surrogate recovery was above laboratory acceptance limits.

AMENDED #2 RUSH

WORKORDER SUMMARY

NV

Report CC's Caitlin Jelle
Kyndra Washell

Alpha Analytical, Inc.

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

WorkOrder: MGA2103079
Report Due By: 19-Mar-21
EDD Required: YES
4/6/21

Report Attention: Caitlin Jelle

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

TEL: 7758292245
FAX: 7758292213
ProjectNo: APN-012-304-01/BRN-070

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha Sub TAT	Requested Tests					
					PNA_SIM_S	TPHIE_S	TPHP_S	VOC_S	VOC_W	Sample Remarks
MGA2103079-01	BRN-070-B@0-3	SO	3/10/2021 11:45:00 AM	1 0	A - SIM	A - TPHIE_N	A - TPHE_N	A - 8260/M_N		
MGA2103079-02	BRN-070-B@37	SO	3/10/2021 3:15:00 PM	1 0	5	A - TPHIE_N	A - GAS-N			
MGA2103079-03	BRN-070-B4-H2O	AQ	3/10/2021 4:00:00 PM	4 0	5			A - 8260/M_N		No HCl
MGA2103079-04	BRN-070-B5@0-3	SO	3/11/2021 9:00:00 AM	1 0	5	A - TPHIE_N	A - GAS-N			
MGA2103079-05	BRN-070-B5@38	SO	3/11/2021 1:40:00 PM	1 0	5	A - TPHIE_N	A - GAS-N			
MGA2103079-06	BRN-070-B5-H2O	AQ	3/11/2021 1:50:00 PM	4 0	5			A - 8260/M_N		No HCl
MGA2103079-07	BRN-070-Trip Blank	AQ	3/11/2021	1 0	5			A - 8260/M_N		Reno TB 10/5/20

Comments: Sediment in voas. Amended 4/5/21 to add VOC's and PNA's to sample 01 on a 48 hr TAT, per Anna via email. Okay to run out of hold time. HT. Amended 4/6/21 to change the TAT to a 24hr TAT, per Anna. RV

Logged in by:	Signature	Print Name	Company	Date/Time
		Kaitlin Jelle	Alpha Analytical, Inc.	4/6/21 10:15

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

AMENDED RUSH

NV

WORKORDER SUMMARY

Report CC's Caitlin Jelle
Kyndra Washell

Alpha Analytical, Inc.

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

Report Attention: Caitlin Jelle

WorkOrder:
Report Due By:
EDD Required:

MGA2103079
~~4/9/Mar-21~~
4/7/21

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

TEL: 7758292245
FAX: 7758292213
ProjectNo: APN-012-304-01/BRN-070

Date Received: 12-Mar-21

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha Sub TAT	Requested Tests				Sample Remarks
					PNA_SIM_S	TPH/E_S	TPHP_S	VOC_S	
MGA2103079-01	BRN-070-B4@0-3	SO	3/10/2021 11:45:00 AM	1 0 5	A-SIM	A - TPH/E_N	A - GAS/N	A - 8260/M_N	
MGA2103079-02	BRN-070-B4@37"	SO	3/10/2021 3:15:00 PM	1 0 5		A - TPH/E_N	A - GAS-N		
MGA2103079-03	BRN-070-B4-H2O	AQ	3/10/2021 4:00:00 PM	4 0 5				A - 8260/M_N	No HCl
MGA2103079-04	BRN-070-B5@0-3"	SO	3/11/2021 9:00:00 AM	1 0 5		A - TPH/E_N	A - GAS-N		
MGA2103079-05	BRN-070-B5@38"	SO	3/11/2021 1:40:00 PM	1 0 5		A - TPH/E_N	A - GAS/N		
MGA2103079-06	BRN-070-B5-H2O	AQ	3/11/2021 1:50:00 PM	4 0 5				A - 8260/M_N	No HCl
MGA2103079-07	BRN-070-Trip Blank	AQ	3/11/2021	1 0 5				A - 8260/M_N	Reno TB 10/5/20

Comments:

Sediment in voas. Amended 4/5/21 to add VOC's and PNA's to sample 01 on a 48 hr TAT, per Anna via email. Okay to run out of hold time. HT

Logged in by:	Print Name	Company	Date/Time
Page 34	<i>Haylee Tilton</i>	Alpha Analytical, Inc.	4/5/21 9:16

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

34 of 36

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: MGA2103079
Report Due By: 19-Mar-21
EDD Required: YES

Report Attention: Caitlin Jelle

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

Date Received: 12-Mar-21

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha Sub	TAT	TPHIE_S	VOC_W	Requested Tests	Sample Remarks
MGA2103079-01	BRN-070-B4@0-3'	SO	3/10/2021 11:45:00 AM	1	0	5	A - TPHIE_N	A - GAS_N	
MGA2103079-02	BRN-070-B4@37'	SO	3/10/2021 15:00 PM	1	0	5	A - TPHIE_N	A - GAS_N	
MGA2103079-03	BRN-070-B4-H2O	AQ	3/10/2021 4:00:00 PM	4	0	5		A - 8260/M_N	No HCl
MGA2103079-04	BRN-070-B5@0-3'	SO	3/11/2021 9:00:00 AM	1	0	5	A - TPHIE_N	A - GAS_N	
MGA2103079-05	BRN-070-B5@38'	SO	3/11/2021 1:40:00 PM	1	0	5	A - TPHIE_N	A - GAS_N	
MGA2103079-06	BRN-070-B5-H2O	AQ	3/11/2021 1:50:00 PM	4	0	5		A - 8260/M_N	No HCl
MGA2103079-07	BRN-070-Trip Blank	AQ	3/11/2021	1	0	5		A - 8260/M_N	Reno TB 10/5/20

Comments: Sediment in voas.

Logged in by:	Signature	Print Name	Company	Date/Time
		Caitlin Jelle	Alpha Analytical, Inc.	3/21/2020

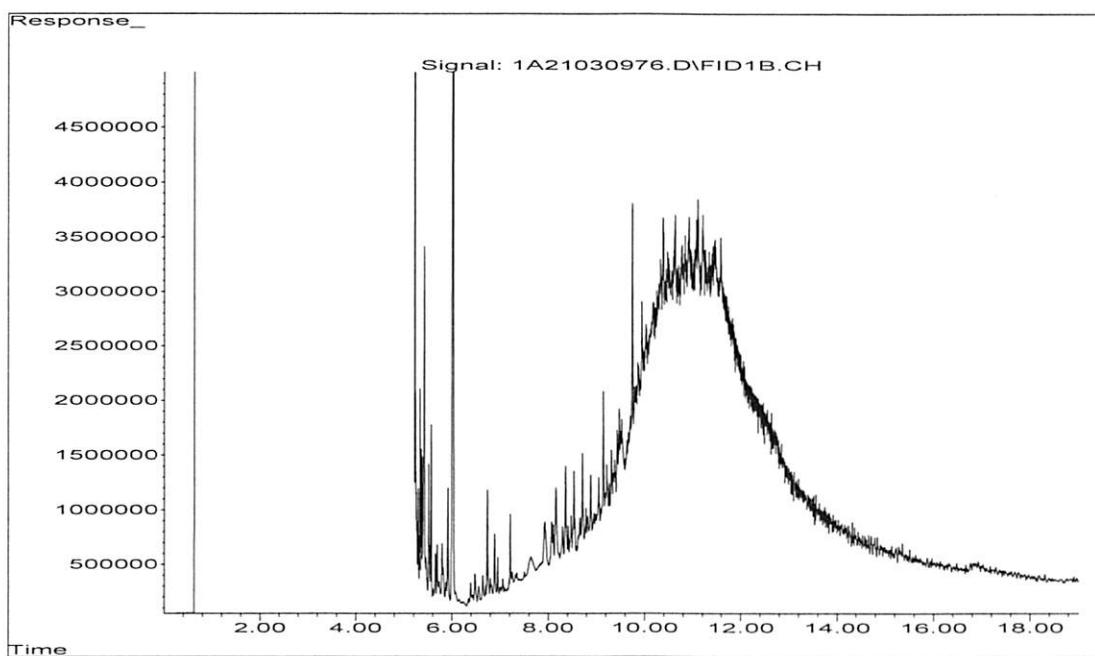
NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Sample Name: MGA2103079-01
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21030976.D
 Data File Path: C:\msdchem\FID01\DATA\210309\
 Date Acquired: 3/18/21 03:48
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 76

Result 7
 Peer/QAQC
 Report PR/3/19/21
 Final Jy 3-19-21

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	6.02	149856542.6	5.6069	ppm	
	Spiked Amt	6.00	%Recovery	93.45		
2)	TPH-E (GRO)	7.50	261162130.3	10.02	ppm	
3)	TPH-E (JFRO)	7.50	908147778.4	34.852	ppm	
4)	TPH-E (DRO)	9.00	835170376.5	32.051	ppm	L
5)	TPH-E (ORO)	11.00	6723280039	316.824	ppm	
6)	TPH (Extractable)	7.50	7606872398	291.93	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

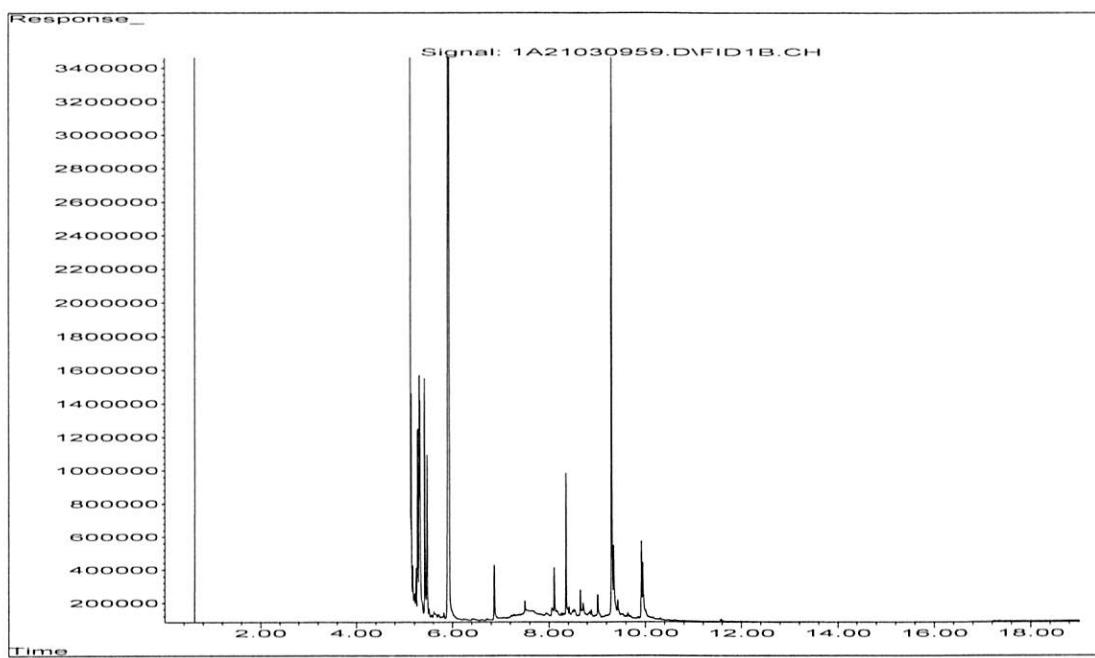


Sample Name: MGA2103079-02
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21030959.D
 Data File Path: C:\msdchem\FID01\DATA\210309\
 Date Acquired: 3/17/21 20:13
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 59

Result 7
 Peer/QAQC _____
 Report OK
 Final JL

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	5.92	155211688.1	5.8073	ppm	
	Spiked Amt	6.00	%Recovery	96.79		
2)	TPH-E (GRO)	7.50	35224629.92	1.35	ppm	
3)	TPH-E (JFRO)	7.50	105482636.8	4.048	ppm	
4)	TPH-E (DRO)	9.00	94449298.68	3.625	ppm	
5)	TPH-E (ORO)	11.00	26131126.44	1.231	ppm	
6)	TPH (Extractable)	7.50	132930796.4	5.10	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

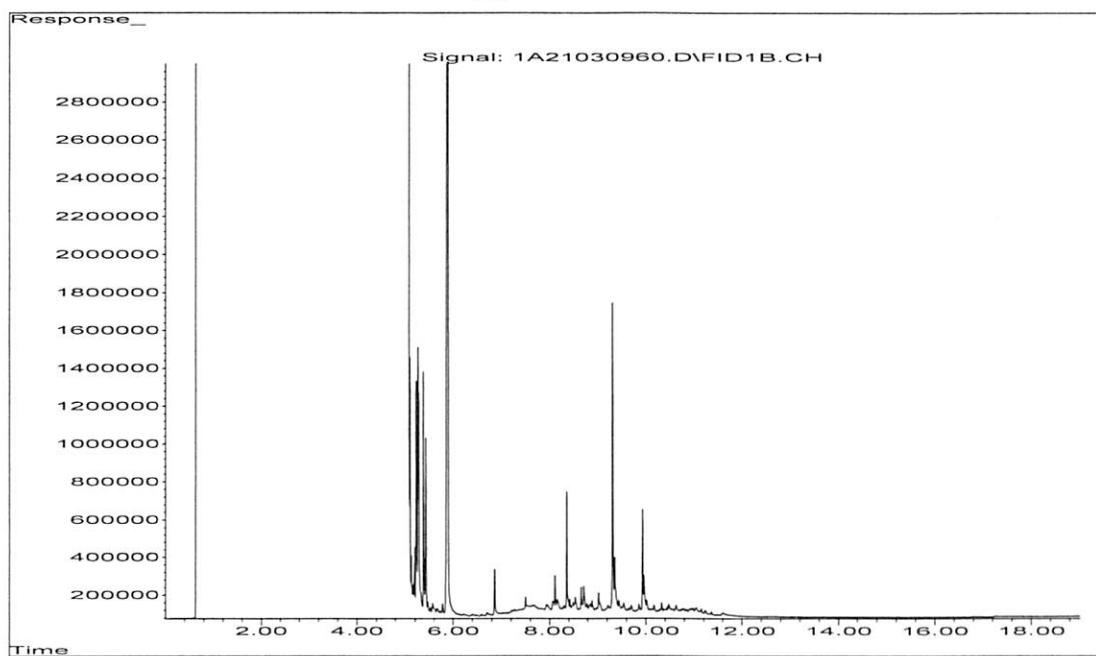


Sample Name: MGA2103079-04
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21030960.D
 Data File Path: C:\msdchem\FID01\DATA\210309\
 Date Acquired: 3/17/21 20:40
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 60

Result 7
 Peer/QAQC _____
 Report OK
 Final OK

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	5.89	156030523.2	5.8379	ppm	
	Spiked Amt	6.00	%Recovery	97.30		
2)	TPH-E (GRO)	7.50	29986536.75	1.15	ppm	
3)	TPH-E (JFRO)	7.50	88395138.06	3.392	ppm	
4)	TPH-E (DRO)	9.00	78786158.3	3.024	ppm	
5)	TPH-E (ORO)	11.00	47116054.37	2.220	ppm	
6)	TPH (Extractable)	7.50	137198896.8	5.27	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: MGA2103079-05
 Instrument Name: FID01
 Misc Info: SOIL
 Sample Multiplier: 2
 Data File Name: 1A21030961.D
 Data File Path: C:\msdchem\FID01\DATA\210309\
 Date Acquired: 3/17/21 21:07
 Acq. Method File: 112815.M
 Quant Method File: C:\msdchem\FID01\METHODS\201214B.M
 Vial Number: 61

Result Z
 Peer/QAQC _____
 Report BL
 Final JG

#	Name	Ret Time	Target Response	Amount	Units	Qualifier
1)	Nonane	5.90	157351117.2	5.8873	ppm	
	Spiked Amt	6.00	%Recovery	98.12		
2)	TPH-E (GRO)	7.50	33601921.56	1.29	ppm	
3)	TPH-E (JFRO)	7.50	78218900.94	3.002	ppm	
4)	TPH-E (DRO)	9.00	67736238.05	2.600	ppm	
5)	TPH-E (ORO)	11.00	21902321.46	1.032	ppm	
6)	TPH (Extractable)	7.50	101299387.1	3.89	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

