Phase II Environmental Site Assessment Report

200 San Marin Drive
Novato, California

Comstock Commons, LLC

38 Miller Avenue, Suite 18 | Mill Valley, California 94941

August 7, 2019 | Project No. 403539001



Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

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August 7, 2019
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Comstock Commons, LLC
Mr. Roy Nee, Managing Member
38 Miller Avenue, Suite 18
Mill Valley, California 94941

Subject: Phase II Environmental Site Assessment Report
200 San Marin Drive
Novato, California

Dear Mr. Nee:

In accordance with your request, Ninyo & Moore has prepared this Phase II Environmental Site Assessment (ESA) Report for Comstock Commons, LLC, relating to the property located at 200 San Marin Drive in Novato, California (Site). This ESA was conducted based on our *Proposal for a Phase II Environmental Site Assessment* dated June 13, 2019.

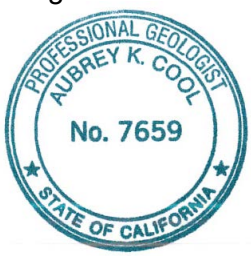
Respectfully submitted,
NINYO & MOORE

Asha Turman
Staff Environmental Scientist

Aubrey K. Cool, PG 7659
Senior Environmental Geologist

ALT/AKC/gg

Distribution: (1) Addressee (via e-mail)



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1 INTRODUCTION

Ninyo & Moore was retained by Comstock Commons, LLC to conduct a Phase II Environmental Site Assessment (ESA) for the property located at 200 San Marin Drive in Novato, California (Site, Figure 1). This Phase II ESA was conducted in accordance with our *Proposal for a Phase II Environmental Site Assessment* dated June 13, 2019.

1.1 Site Background

The Site is bounded by San Marin Drive to the north, San Andreas Drive to the west and residential properties to the east and immediately to the south (Figure 1). The Site historically operated as a service station from 1968 to 1983. Petroleum hydrocarbon impacts to Site soil and groundwater were remediated by removal of all Site underground storage tanks (USTs), excavation of contaminated soils and installation of an extraction well and interceptor trench. The Site received case closure from the San Francisco Bay Regional Water Quality Control Board (RWQCB) in 2000 (RWQCB, 2000).

In addition to the historical Site impacts, Fairfax French Cleaners a former dry cleaner and open RWQCB case, is located at 173 San Marin Drive approximately 465 feet northwest of the Site. The main constituent of concern at that case is tetrachloroethene (PCE) in groundwater, which originates from the use of dry cleaning chemicals on the property. The PCE-impacted groundwater at the dry cleaner property has been delineated and does not appear to be impacting the Site; however, soil vapor impacts may be a Site concern due to the potential for soil vapor to migrate through utility trenches.

The objectives of this Phase II ESA are to assess soil, groundwater and soil vapor beneath the Site to determine whether impacts from the former service and/or dry cleaner are present and to evaluate whether current Site conditions satisfy residential development criteria.

1.2 Geology/Hydrogeology

The Site consists of gravel and vegetation, with some asphalt pads near the former UST basin. The subsurface is composed of heterogeneous fill to between 2 and 4 feet below ground surface (bgs), underlain by primarily lean clay with fine to coarse sand and gravelly lean clay to 17 feet bgs. A poorly graded sand with coarse gravel and weathered bedrock were encountered below that, to the total explored depth of 20 feet bgs.

Groundwater was encountered in boring locations B2 and B3 at depths of 19.5 feet bgs and 19.8 feet bgs, respectively.

2 PRE-FIELD ACTIVITIES

The following activities were performed prior to initiating the field work.

2.1 Health and Safety Plan

Ninyo & Moore prepared a Site-specific health and safety plan (SSHSP) for the Site prior to mobilization. Ninyo & Moore reviewed the SSHSP with field personnel prior to the start of field work and field personnel signed the acknowledgement form attached to the SSHSP indicating they understood and would abide by its provisions.

2.2 Utility Location

As required by California law, Ninyo & Moore notified Underground Service Alert (USA) at least 48 hours prior to conducting any ground disturbance. Ninyo & Moore personnel marked out the vicinity of the boring locations in white paint. USA was notified of the proposed drilling, including location and date and marked locations surrounding the Site.

Ninyo & Moore retained Coast Wide Utility Locators (CWUL) of Felton, California to scan the vicinity of the five (5) boring locations (B1 through B5) for the presence of subsurface utilities. On June 27, 2019, CWUL provided utility location services to verify the underground utility markings made by USA and to identify the locations of additional utilities that may not have been previously marked. No conflicts were encountered with the five (5) proposed boring locations.

2.3 Permit

Ninyo & Moore obtained permit number TH B18220 (3) from the County of Marin Environmental Health Services prior to borehole advancements (Appendix A).

3 FIELD ACTIVITIES

The following section provides a summary of the field activities performed during the Phase II ESA.

3.1 Boring Advancement

On July 3, 2019, Ninyo & Moore contracted with Vapor Tech Services Drilling, LLC (VTS) of Hayward, California (C-57 License No. 916085) to advance five (5) soil borings (B1 through B5) at the locations shown on Figure 2 using a 2.25-inch hand auger from the surface to 5 feet bgs and a direct-push track-mounted drill rig to the following total depths:

- Borings B1 and B5 were advanced to 5.5 feet bgs;
- Boring B2 and B3 were advanced to 20 feet bgs; and
- Boring B4 was advanced to 17 feet bgs.

3.1.1 Soil Sampling

Two (2) soil samples were collected from borings B1 through B3 for a total of (6) soil samples collected during the Phase II ESA.

In order to evaluate organic vapors in the soil at each boring, representative soils were placed in re-sealable plastic bags and allowed to equilibrate over a period of time. Then the headspace was screened with a photoionization detector (PID) for the presence of organic vapors. The soil samples were collected from each boring based on observed soil discoloration and/or PID measurements. Soil samples were analyzed for the following:

- Total petroleum hydrocarbons (TPH) as gasoline (TPHg) and volatile organic compounds (VOCs) using United States Environmental Protection Agency (EPA) Method 8260B;
- TPH as diesel (TPHd) and motor oil (TPHmo) using EPA Method 8015; and
- Leaking underground fuel tank (LUFT) 5 metals using EPA Method 6010B.

The soil samples collected for laboratory analysis were placed in laboratory-provided sample containers, which were labeled, placed in re-sealable plastic bags and stored in a cooler containing ice. The samples were transported under chain-of-custody (COC) documentation to McCampbell Analytical, Inc. (McCampbell), a California-certified analytical laboratory located in Pittsburg, California.

3.1.2 Grab Groundwater Sampling

One (1) grab groundwater sample was collected from borings B2 and B3 for a total of two (2) grab groundwater samples collected during the Phase II ESA. We planned to collect a groundwater sample from boring location B4, but no groundwater was encountered due to refusal from weathered bedrock encountered at 17 feet bgs. Grab groundwater samples were collected using a 0.75-inch disposable mini-bailer. Groundwater samples were analyzed for the following:

- TPHg and VOCs using EPA Method 8260B and
- TPHd and TPHmo using EPA Method 8015.

The grab groundwater samples collected for laboratory analysis were placed in laboratory-provided sample containers, which were labeled, placed in re-sealable plastic bags and stored in a cooler containing ice. The samples were transported under COC documentation to McCampbell.

3.1.3 Soil Vapor Probe Installations

On July 3, 2019, four soil vapor probes (B1 and B3 through B5) were constructed by installing a 1-inch long micro-pore soil vapor screen attached to a length of ¼-inch Teflon tubing set at 5 feet bgs, with a 1-foot filter pack constructed of 2-12 Monterey sand placed around the screen from 4.5 to 5.5 feet bgs. A 0.5-foot thick layer of dry bentonite granules was placed above the filter pack from 4.0 to 4.5 feet bgs, and hydrated bentonite grout was placed from the ground surface to 4.0 feet bgs. Tubing was completed at the surface with a ¼-inch Swagelok® compression fitting and cap. A soil vapor well construction schematic is shown on Figure 3.

3.1.4 Soil Vapor Sampling

The soil vapor probes were sampled on July 8, 2019, over 48 hours after completing the installation of the soil vapor probes to allow subsurface vapor conditions to equilibrate. Prior to sample collection, a leak test was performed at each probe by capping the end of the stainless steel sampling manifold and opening the valve of the purge canister to evaluate whether a leak was present in the sampling system. As no drops in vacuum pressure were observed during this evaluation, the leak test was considered successful and purging and sampling commenced. The sampling manifold was connected to the Swagelok® sampling device using dedicated ¼-inch Teflon tubing. A tracer gas shroud was placed over the entire sampling apparatus and flooded with helium gas and maintained at a concentration of at least 20 percent (%). Helium was added to the sample analyses to determine whether any leaks occurred in the sampling system.

Following a successful leak test, at least 3 volumes of each sampling probe, tubing and manifold were purged using a 6-liter purge Summa canister. Subsequent to purging, each soil vapor sample was collected in a 1-liter Summa canister. The flow controller within the sample manifold was pre-set by the laboratory to allow a maximum flow rate of 150 milliliters per minute. The sample canisters were stored in the shade and protected from significant changes in temperature while being transported under COC documentation to McCampbell for analysis. The soil vapor samples were analyzed for VOCs by EPA Method

TO-15 and for oxygen and helium by ASTM Method D-1946. Soil vapor sample data sheets are included in Appendix B.

3.2 Investigation-Derived Waste

Investigation-derived waste (IDW) generated from the Phase II ESA included soil cuttings and construction debris. The IDW was stored in a 55-gallon drum, which was labelled and placed in a secure location on Site pending waste profiling and proper off-Site disposal. As discussed below, the IDW is characterized as non-hazardous waste. Copies of the laboratory report used to characterize the waste are included in Appendix C. Once the drum is removed from the Site, Ninyo & Moore will forward the final waste manifest to Comstock Commons, LLC upon receipt.

4 ANALYTICAL RESULTS

All analytical results are summarized and compared to the RWQCB 2019 Tier 1 Environmental Screening Levels (ESLs) presented on Tables 1 through 4. Additionally, soil analytical results were screened against Construction Worker ESLs, presented on Tables 1 and 2. The laboratory analytical reports are provided in Appendix C, and the results are discussed below:

4.1 Soil Analytical Results

Soil analytical results are summarized on Tables 1 and 2 and discussed below:

4.1.1 VOCs

The following VOCs were detected above laboratory reporting limits: acetone and n-butyl benzene. The acetone detection does not exceed ESLs, and there are no ESLs established ESLs for n-butyl benzene. Benzene was not detected in soil during this investigation.

4.1.2 TPH

Six (6) soil samples were analyzed for TPHg, TPHd and TPHmo, and analytical results are summarized below.

- TPHg was detected above the laboratory reporting limit in one sample: B2-17.25 at a concentration of 1.2 milligrams per kilogram (mg/kg), which is below its Tier 1 ESL of 100 mg/kg and Construction Worker ESL of 1,800 mg/kg.
- TPHd was detected above the laboratory reporting limit in two samples: B1-1 at a concentration of 1.2 mg/kg and B3-5 at a concentration of 1.6 mg/kg, which are below its Tier 1 ESL of 260 mg/kg and Construction Worker ESL of 1,100 mg/kg.

- TPHmo was detected above the laboratory reporting limit in two samples: B1-1 at a concentration of 12 mg/kg and B3-5 at 24 mg/kg, which are below its Tier 1 ESL of 1,600 mg/kg and Construction Worker ESL of 54,000 mg/kg.

4.1.3 LUFT 5 Metals

All LUFT 5 Metals, with the exception of cadmium, were reported above laboratory reporting limits in all samples. Concentrations of LUFT 5 Metals were compared to the Tier 1 ESLs, Construction Worker ESLs. Analytical results are discussed below.

- Total chromium was detected at concentrations ranging from 170 mg/kg to 640 mg/kg, all of which exceed its Tier 1 ESL of 160 mg/kg, while a Construction Worker ESL has not been established.
- Lead was detected at concentrations ranging from 1.0 mg/kg to 4.0 mg/kg, which are below Tier 1 and Construction Worker ESLs.
- Nickel was detected at concentrations ranging from 220 mg/kg to 1,300 mg/kg, all of which exceed its Tier 1 and Construction Worker ESLs of 86 mg/kg.
- Zinc was detected at concentrations ranging from 33 mg/kg to 56 mg/kg, which are below Tier 1 and Construction Worker ESLs.

4.1.4 Investigation-Derived Waste

One sample was collected from the drum containing IDW and was analyzed for VOCs and TPHg by EPA Method 8260B, TPHd and TPHmo by EPA Method 8015, and California Code of Regulations (CCR) Title 22 metals. Results were compared to CCR Title 22 waste classification criteria. The laboratory report is included in Appendix C, and analytical results are discussed below.

No VOCs or TPHg were detected. TPHd and TPHmo were detected at concentrations of 1.8 and 20 mg/kg, respectively. Several metals were detected, and chromium and nickel concentrations required additional waste extraction testing to classify the soils for disposal.

Concentrations of chromium and nickel in the waste characterization sample exceeded their CCR Title 22 soluble threshold limit concentration (STLC) trigger levels of 50 and 200 mg/kg, respectively. STLC chromium and nickel analyses were conducted, returning concentrations of 1.2 milligrams per liter (mg/L) and 9.2 mg/L, respectively. These concentrations are below the chromium and nickel STLC screening criteria of 5.0 mg/L and 20 mg/L, respectively.

The chromium concentration in the sample also exceeded the toxicity characteristic leaching procedure (TCLP) trigger level of 100 mg/kg. TCLP chromium analysis was completed, and none was detected at a reporting limit of 0.10 mg/L.

Based on the initial, STLC and TCLP analytical results, the soil is classified as non-hazardous for disposal and should be accepted into a Class II landfill facility.

4.2 Groundwater Analytical Results

Grab groundwater analytical results are summarized on Table 3 and discussed below:

4.2.1 VOCs

The following VOCs were reported above laboratory reporting limits: acetone, bromodichloromethane, 2-butanone (also known as methyl ethyl ketone or MEK), n-butyl benzene, sec-butyl benzene, carbon disulfide, n-propyl benzene, m,p-xylene and total xylenes. All VOC detections were below their respective Tier 1 ESLs.

4.2.2 TPH

Two (2) grab groundwater samples were analyzed for TPHd, TPHg and TPHmo, and analytical results are summarized below.

- TPHg was detected above the laboratory limit in sample B2-GW at a concentration of 1,600 micrograms per liter (µg/L) and sample B3-GW at a concentration of 160 µg/L, which exceed its Tier 1 ESL of 100 µg/L.
- TPHd was detected above the laboratory limit in sample B2-GW at a concentration of 2,500 µg/L and sample B3-GW at a concentration of 570 µg/L, which exceed its Tier 1 ESL of 100 µg/L.
- TPHmo was detected above the laboratory limit in sample B2-GW at a concentration of 1,000 µg/L and sample B3-GW at a concentration of 2,400 µg/L. An ESL for TPHmo in groundwater is not established.

4.3 Soil Vapor Analytical Results

Vapor analytical results for fixed gases and VOCs are presented on Tables 4 and 5. VOC concentrations are compared to the Tier 1 ESLs. The laboratory reports are provided in Appendix C. The results are discussed below:

- Helium was used as a leak detection agent and was detected in one sample, SV-1, at a concentration of 0.20 percent (%). This concentration is less than 5% of the lowest helium concentration observed in the shroud at the time of sample collection, so the sample results are considered valid per the Department of Toxic Substance Control (DTSC) Advisory for Soil Gas Investigations (DTSC, 2015).

- The following VOCs were reported above laboratory reporting limits: carbon disulfide, chloroform, chloromethane, ethyl acetate, 4-ethyltoluene, hexane, 4-methyl-2-pentanone (also known as methyl isobutyl ketone or MIBK), PCE, tetrahydrofuran, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m,p-xylene, o-xylene and total xylenes.

- Chloroform was the only detected VOC to exceed its Tier 1 ESL of 4.1 micrograms per meter cubed (µg/m^3). It was detected in all four soil vapor samples, at concentrations ranging from 7.1 µg/m^3 to 64 µg/m^3.

5 CONCLUSIONS AND RECOMMENDATIONS

Grab groundwater results indicate that there are residual concentrations of petroleum hydrocarbons in groundwater beneath the Site, likely attributable to the former service station. As noted above, the RWQCB UST case was closed in 2000. Only concentrations of TPHg and TPHd in groundwater exceeded the groundwater Tier 1 ESLs. We note it is unlikely that Site occupants would come into contact with or ingest Site groundwater as water in the area is not shallow (at approximately 20 feet) and drinking water is provided by a municipal utility in Marin County. No VOCs, including benzene, were present at concentrations exceeding soil, groundwater or soil vapor ESLs.

Sample analytical results indicate that PCE was detected in soil vapor but not in soil or groundwater at the Site. Concentrations of PCE were detected below Tier 1 ESLs and should not pose a significant risk to future Site occupants. Chloroform was detected in soil vapor at concentrations exceeding Tier 1 ESLs, however chlorinated drinking water may be the source of these detections.

Chromium and nickel detections in soil exceeded the Tier 1 ESLs. We note that weathered bedrock was encountered in some of the borings, and it is possible that these metals are naturally occurring in components of Franciscan Complex Bedrock, such as serpentine. Construction workers should wear appropriate personal protective equipment during any Site development activities in accordance with a Soil Management Plan (SMP), and no native soils should be accessible to Site occupants during or following development.

Soil generated at the Site during development may be suitable for non-hazardous disposal at a Class II landfill facility but should be subject to metals leachability testing first, due to elevated chromium and nickel concentrations.

Provided the ESL exceedances discussed above are addressed, Ninyo & Moore concludes that residential development should be acceptable at the subject Site. We recommend submitting this Phase II ESA report to the City of Novato and the RWQCB for review. We also recommend that development plans provide drinking water from the local water agency and require that the site be paved and any landscaped areas contain clean fill to 3 feet to eliminate direct contact to Site groundwater and soil. Last, we recommend preparation of an SMP, to protect Site workers and neighbors during development.

6 LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in Site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities. Please also note that this assessment did not include an evaluation of geotechnical conditions or potential geologic hazards.

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past on-Site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject Site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Ninyo & Moore's conclusions, recommendations and opinions are based on an analysis of the observed Site conditions. It should be understood that the conditions of a Site could change with time as a result of natural processes or the activities of man at the subject Site or nearby Sites. In addition, changes to the applicable laws, regulations, codes and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions and/or recommendations of this report by parties other than those noted is undertaken at said parties' sole risk.

7 REFERENCES

California Code of Regulations, Title 22, Division 4.5, Chapter 11, Article 3, Section 66261.24.

Department of Toxic Substances Control, 2015, Advisory Active Soil Gas Investigations: dated July.

San Francisco Bay Regional Water Quality Control Board, 2019, Environmental Screening Levels. January (Rev. 1).

San Francisco Bay Regional Water Quality Control Board, 2000, Transmittal of Case Closure Letter and Site Summary Form for Former Texaco Station, 200 San Marin Drive, Novato, UST Case Nos. 21-0140: dated October 2.

TABLES

Table 1 – Soil Analytical Results - VOCs and TPH

Sample ID	Depth (feet bgs)	Date Collected	Acetone	n-Butyl benzene	TPHg	TPHd	TPHmo	All other VOCs
			(mg/kg)					
B1-1	1	07/03/19	ND<0.10	ND<0.0050	ND<0.25	1.2 e2 e7	12 e2 e7	ND
B1-5	5	07/03/19	ND<0.10	ND<0.0050	ND<0.25	ND<1.0	ND<5.0	ND
B2-8	8	07/03/19	0.14	ND<0.0050	ND<0.25	ND<1.0	ND<5.0	ND
B2-17.25	17.25	07/03/19	ND<0.10	0.0086	1.2	ND<1.0	ND<5.0	ND
B3-5	5	07/03/19	ND<0.10	ND<0.0050	ND<0.25	1.6 e2 e7	24 e2 e7	ND
B3-18	18	07/03/19	0.12	ND<0.0050	ND<0.25	ND<1.0	ND<5.0	ND
Screening Levels								
Tier 1 ESLs[1]			0.92	NE	100	260	1,600	Various
Construction Worker ESLs[2]			270,000	NE	1,800	1,100	54,000	Various

Notes:

VOCs - volatile organic compounds analyzed by United States Environmental Protection Agency (EPA) Method 8260B

TPHg - total petroleum hydrocarbons (TPH) as gasoline analyzed by EPA Method 8260B

TPHd - TPH as diesel analyzed by EPA Method 8015M

TPHmo - TPH as motor oil analyzed by EPA Method 8015M

ID - identification

bgs - below ground surface

mg/kg - milligrams per kilogram

e2 - diesel range compounds are significant; no recognizable pattern

e7 - oil range compounds are significant

ND<X - analyte not detected at or above laboratory reporting limit X

ND - not detected; see laboratory report for constituents and reporting limits

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB) Tier 1 Environmental Screening Levels (ESLs), dated January 2019 (Rev.1)

[2]RWQCB Construction Worker ESLs, dated January 2019 (Rev.1); most conservative value listed

NE - ESL not established

Table 2 – Soil Analytical Results - LUFT 5 Metals

Sample ID	Depth (feet bgs)	Date Collected	Cadmium	Chromium	Lead	Nickel	Zinc
			(mg/kg)				
B1-1	1	07/03/19	ND<0.25	**360**	4.0	**590**	56
B1-5	5	07/03/19	ND<0.25	**500**	3.6	**1,300**	43
B2-8	8	07/03/19	ND<0.25	**400**	4.0	**680**	42
B2-17.25	17.25	07/03/19	ND<0.25	**170**	2.4	**220**	50
B3-5	5	07/03/19	ND<0.25	**380**	1.1	**980**	36
B3-18	18	07/03/19	ND<0.25	**640**	1.0	**1,300**	33
Screening Levels							
Tier 1 ESLs[1]			1.9	160	32	86	340
Construction Worker ESLs[2]			51.0	NE	160	86	350,000

Notes:

LUFT - Leaking Underground Fuel Tank 5 Metals analyzed by United States Environmental Protection Agency (EPA) Method 6020

ID - identification

bgs - below ground surface

mg/kg - milligrams per kilogram

ND<X - analyte not detected at or above laboratory reporting limit X

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB) Tier 1 Environmental Screening Levels (ESLs), dated January 2019 (Rev.1)

[2]RWQCB Construction Worker ESLs, dated January 2019 (Rev.1); most conservative value listed

Bold indicates concentration exceeds Tier 1 ESL

Table 3 – Grab Groundwater Analytical Results - VOCs and TPH

Sample ID	Depth (feet bgs)	Date Collected	Acetone	Bromodichloromethane	MEK	n-Butyl benzene	sec-Butyl benzene	Carbon Disulfide	n-Propyl benzene	m,p-Xylene	Total Xylenes	TPHg	TPHd	TPHmo	All other VOCs
			(µg/L)												
B2-GW	19.5	07/03/19	17	0.51	ND<5.0	2.2	1.3	ND<0.50	0.56	0.58	0.58	**1,600**	**2,500 e2 e8/e4 e7**	1,000 e2 e8/e4 e7	ND
B3-GW	19.8	07/03/19	57	ND<0.50	6.7	ND<0.50	ND<0.50	0.70	ND<0.50	ND<0.50	ND<0.50	**160**	**570 e2 e7 e8**	2,400 e2 e7 e8	ND
Screening Levels															
Tier 1 ESLs[1]			1,500	0.87	5,600	NE	NE	NE	NE	NE	20	100	100	NE	Various

Notes:

VOCs - volatile organic compounds analyzed by United States Environmental Protection Agency (EPA) Method 8260B
TPHg - total petroleum hydrocarbons (TPH) as gasoline analyzed by EPA Method 8260B
TPHd - TPH as diesel analyzed by EPA Method 8015M
TPHmo - TPH as motor oil analyzed by EPA Method 8015M
MEK - 2-butanone or methyl ethyl ketone
ID - identification
bgs - below ground surface
µg/L - micrograms per liter
e2 - diesel range compounds are significant, no recognizable pattern
e8/e4 - pattern resembles kerosene/kerosene range/jet fuel range; and/or gasoline range compounds are significant
e7 - oil range compounds are significant
e8 - pattern resembles kerosene/kerosene range/jet fuel range
ND<X – analyte not detected at or above laboratory reporting limit X
[1]San Francisco Bay Regional Water Quality Control Board (RWQCB) Tier 1 Environmental Screening Levels (ESLs), dated January 2019 (Rev.1)
Bold indicates concentration exceeds Tier 1 ESL

Table 4 – Soil Vapor Analytical Results - Fixed Gases

Sample ID	Date Collected	Depth (feet bgs)	Helium	Oxygen	Methane
			(%)		
B1	07/08/19	5	0.20	7.9	ND<0.00020
B3	07/08/19	5	ND<0.050	15	ND<0.00020
B4	07/08/19	5	ND<0.050	12	0.00028
B5	07/08/19	5	ND<0.050	13	ND<0.00020

Notes:

Fixed gases analyzed by American Society for Testing Materials Method D 1946-90

ID - identification

bgs - below ground surface

% - percent

ND<X - analyte not detected above laboratory reporting limit X

Table 5 – Soil Vapor Analytical Results - VOCs

Sample ID	Date Collected	Depth (feet bgs)	Carbon Disulfide	Chloroform	Chloromethane	Ethyl Acetate	Ethylbenzene	4-Ethyltoluene	Hexane	MIBK	PCE	Tetrahydrofuran	Toluene	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	m,p-Xylene	o-Xylene	Total Xylenes	All Other VOCs
			($\mu g/m^3$)																
B1	07/08/19	5	3.5	**7.1**	ND<1.0	ND<1.8	ND<2.2	ND<2.5	ND<18	ND<2.1	ND<3.4	3.4	21	5.7	ND<2.5	6.0	2.4	8.4	ND
B3	07/08/19	5	15	**34**	2.4	2.1	7.7	16	ND<18	2.5	4.5	7.0	25	35.00	20	56	20	76	ND
B4	07/08/19	5	5.9	**64**	ND<1.0	ND<1.8	3.7	4.6	ND<18	ND<2.1	6.1	ND<3.0	17	19	ND<2.5	21	8.8	30	ND
B5	07/08/19	5	4.2	**8.9**	ND<1.0	ND<1.8	ND<2.2	ND<2.5	32	ND<2.1	ND<3.4	ND<3.0	25	ND<2.5	ND<2.5	ND<4.4	ND<2.2	ND<2.2	ND
Screening Levels																			
Tier 1 ESLs[1]			NE	4.1	3,100	NE	37	NE	NE	14,000	15	NE	10,000	NE	NE	NE	NE	3,500	Various

Notes:

VOCs - volatile organic compounds analyzed by United States Environmental Protection Agency Method TO-15

MIBK - 4-Methyl-2-pentanone or methyl isobutyl ketone

PCE - tetrachloroethene

ID - identification

bgs - below ground surface

$\mu g/m^3$ - micrograms per meter cubed

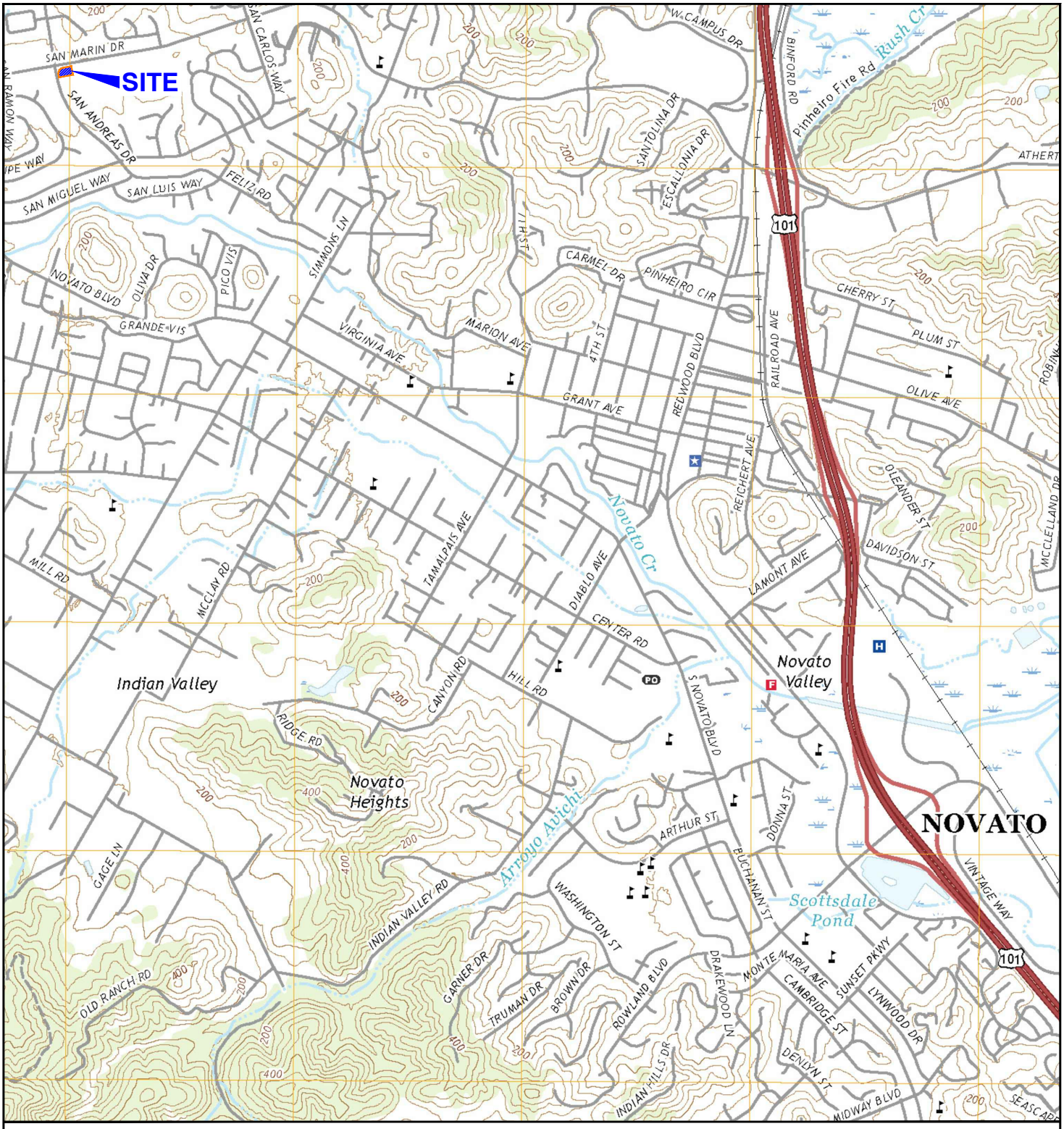
ND<X - analyte not detected above laboratory reporting limit X

[1]San Francisco Bay Regional Water Qualty Control Board (RWQCB) Tier 1 Environmental Screening Levels (ESLs), dated January 2019 (Rev.1)

Bold indicates concentration exceeeds Tier 1 ESL

NE - ESL not established

FIGURES



403539001.dwg 07/11/2019 AEK

NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE I REFERENCE: USGS, 2018

N

SCALE (FEET)

0 2,000 4,000

FIGURE 1

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

SITE LOCATION

COMSTOCK COMMONS
200 SAN MARIN DRIVE
NOVATO, CALIFORNIA
403539001 I 07/19

LEGEND

SITE BOUNDARY B2 BORING LOCATION B1 SOIL VAPOR PROBE LOCATION

NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE I REFERENCE: GOOGLE EARTH, 2019

N

SCALE (FEET)
0 50 100

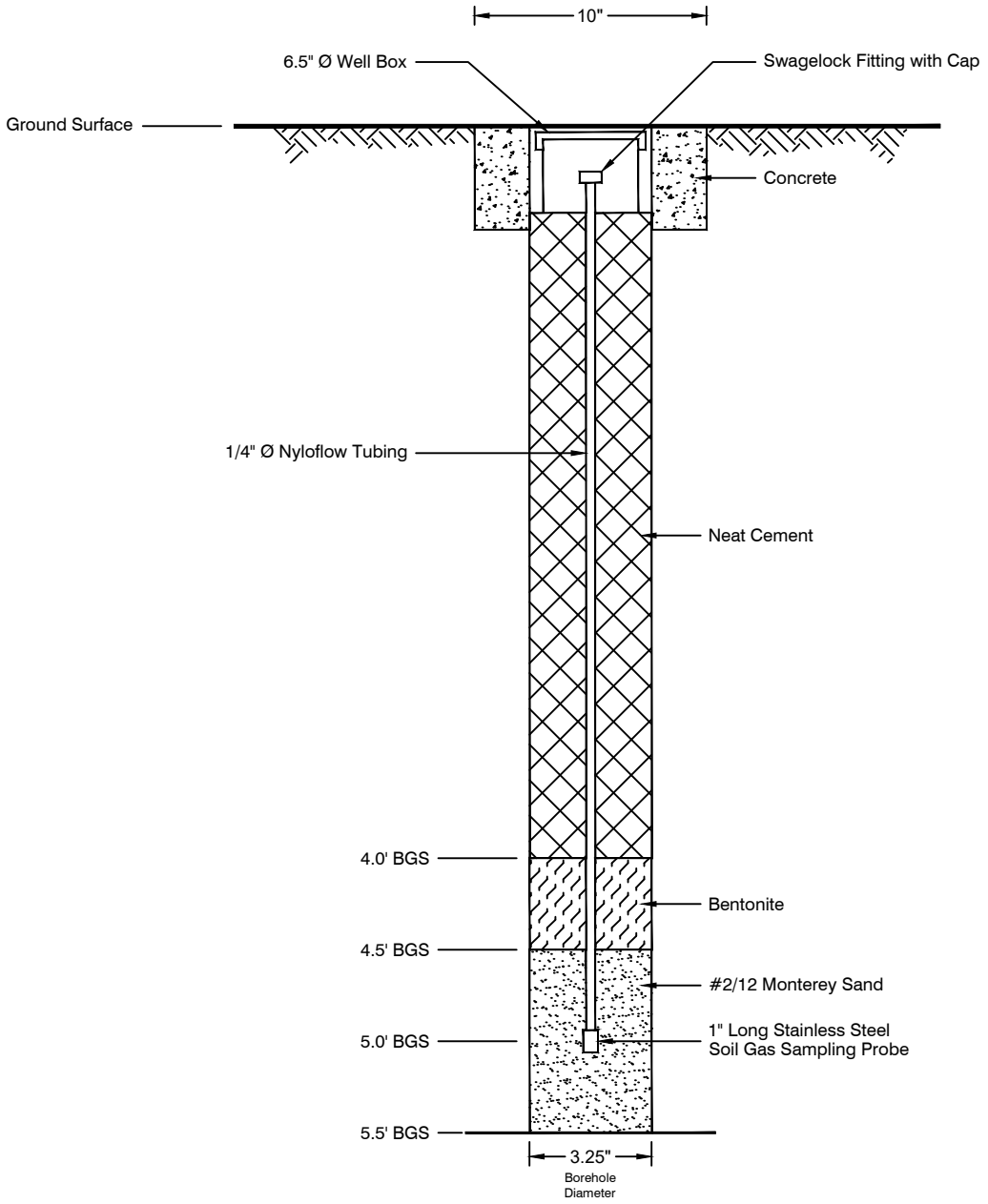
403539001.dwg 07/18/2019 AEK

FIGURE 2

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SITE PLAN

COMSTOCK COMMONS
200 SAN MARIN DRIVE
NOVATO, CALIFORNIA
403539001 I 07/19



Notes:
Ø = Diameter
BGS = Below Ground Surface

NOTE: NOT TO SCALE

403539001.dwg 07/24/2019 AEK

FIGURE 3

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SOIL VAPOR WELL CONSTRUCTION SCHEMATIC

COMSTOCK COMMONS
200 SAN MARIN DRIVE
NOVATO, CALIFORNIA
403539001 I 07/19

APPENDIX A

Permit

COUNTY OF MARIN

COMMUNITY DEVELOPMENT AGENCY
ENVIRONMENTAL HEALTH SERVICES
MARIN COUNTY CIVIC CENTER
3501 CIVIC CENTER DRIVE, ROOM 236, SAN RAFAEL, CA 94903
(415) 473-6907 FAX: (415) 473-4120
www.marincounty.org/ehs

PERMIT FOR TEST HOLES / SOIL BORINGS

Date of Issuance: 07/09/19
Date of Expiration: 07/08/20

To: Roy Nee
38 Miller Avenue, Suite 18
Mill Valley, CA 94941

Permit No.: TH B18220 (3)

Street Address: 200 San Marin Drive

City: Novato

Assessor's Parcel Number: 124-282-18

Driller: VTS Drilling, LLC 2560 Barrington Court, Hayward CA, 94545.

Your application and plans have been reviewed for compliance with relevant California State and Marin County regulations. Permission is hereby granted to perform the stated work at the above, designated site.

In order to provide the necessary inspections and/or to prevent rescheduling the well driller, the consultant or the well driller shall notify this office at least **two business days** in advance of drilling the well. Also, **contact the office on the day of the drilling.** The grout shall not be placed until approval from Environmental Health Services is granted. If arrangements other than an inspection are made and approved before drilling, then documentation on the methods and materials used to destroy the hole shall be submitted within 30 days of drilling.

CONDITIONS:

1. Construction and destruction criteria shall meet all applicable sections of the current State of California Water Well Standards Bulletin 74 (as revised).
2. Unless approved by EHS beforehand, the well driller shall seal with a cement grout and have a pump and tremie system available in the event that groundwater is discovered.
3. The holes shall be sealed ASAP, especially in the event of rain, to prevent contamination of the groundwater by surface water.
4. If the boring is drilled on property owned by a party other than the applicant, this permit is not valid until applicable local encroachment permits or permissions are first obtained. Please contact the appropriate landowner, city, county, park or special district agencies to obtain permissions.
5. The Marin County CUPA (Office of Waste Management, Department of Public Works) or the local L.P.A. shall be notified whenever test results from sampling demonstrate chemical contamination or leakage of underground storage tanks.
6. It is the responsibility of the driller and project consultant to locate all underground utilities which may be impacted by drilling activities.

This permit is valid for twelve months from the date of issuance. If work has not commenced prior to the expiration date, an additional application and the associated fee shall be required.

Issued by,

Scott Callow, Senior R.E.H.S.

c: Ninyo and Moore, 2020 Challenger Drive, #103 Alameda, CA 94501.
CUPA

OFFICE USE ONLY

1. Number of holes to be drilled 3
2. Destruction docs submitted _____
3. Project completed _____

APPROVED
COUNTY OF MARIN
ENVIRONMENTAL HEALTH
BY
DATE

RECEIVED
JUL 04 2019
ENVIRONMENTAL HEALTH

APPENDIX B

Soil Vapor Sampling Field Sheets

Soil Vapor Sample Collection Data

Sample ID: SV-1

Client: Comstock Commons | Date 7.8.19

Project Number: 40353900 1

Site Location: 200 San Marin Drive

Field Personnel ALT

Type of Probe and Advancement Method

Sample Data	Sample ID						
	Canister Serial No.	0881-2509					
	Flow Controller Serial No.	316-845					
	Sample Depth (Ft.)	5					
	Tubing length	8					
	Purge Volume and Rate	150 ml/min					
	Calculated Duration of Purge (3 tubing volumes)	8' x 5.5	cc/1 • 3	/ 6000 mL	x 30"	= 0.6	6"
1-2-Minute Shut-in Test	Time Sample-Train Shut-in Test Begins	803					
	Initial Canister Vacuum (inches Hg)	-29					
	Time Sample-Train Shut-in Test Ends	807					
	Duration of Test	4 min					
	Final Canister Vacuum (inches Hg)	-29					
Purge	Time Beginning of Purge	812	-29				
	Time End of Purge	815	-28				
	Actual Duration of Purge	3 min					

Sample Collection and Tracer Gas Monitoring							
Time Canister Opened	816						
Initial Canister Vacuum (inches Hg)	-29.5						
Measured Helium % initial	37.1						
2 min.	25.4	35 min.					
4 min. 36.1 ↓	34.6	40 min.					
6min. ↓	35.3	45 min.					
8min. ↓	36.8	50 min.					
10 min. → 36.1	36.4	55 min.					
15 min.		60 min.					
20 min.		____ min.					
25 min.		____ min.					
30 min.		____ min.					
Comments	uneven flowing	____ min.					
Time Canister Closed	824						
Final Canister Pressure (inches Hg)	-4						
Time of Sample Collection							

Notes:
Calculating Purge Volume: Length of tube (ft.) x 5.5 cc/linear foot (1/4" OD Teflon Tube)

Soil Vapor Sample Collection Data

Sample ID: SV-3

Client: Comstock Communities | Date 7.8.19

Project Number: 40353901

Site Location: 20 San Marin Drive

Field Personnel ALT

Type of Probe and Advancement Method

Sample Data	Sample ID						
	Canister Serial No.	0895-25	23				
	Flow Controller Serial No.	316-768					
	Sample Depth (Ft.)	5					
	Tubing length	8'					
	Purge Volume and Rate	150ml/min					
	Calculated Duration of Purge (3 tubing volumes)	3 x 8'	x5.5mL/ft x1,000mL x 30" =			0.66"	
1-2-Minute Shut-in Test	Time Sample-Train Shut-in Test Begins	840					
	Initial Canister Vacuum (inches Hg)	-24.5					
	Time Sample-Train Shut-in Test Ends	845					
	Duration of Test	5min					
	Final Canister Vacuum (inches Hg)	-26.5					
Purge	Time Beginning of Purge	849	-24.5				
	Time End of Purge	-2	-25.5				
	Actual Duration of Purge	851	-				
Sample Collection and Tracer Gas Monitoring	Time Canister Opened	852					
	Initial Canister Vacuum (inches Hg)	-24.5"					
	Measured Helium % initial	39.8					
	2 min.	32.1	35 min.				
	4 min.	26.6	40 min.				
	6min. →	33.1	45 min.				
	8min.		50 min.				
	10 min.		55 min.				
	15 min.		60 min.				
	20 min.		____ min.				
	25 min.		____ min.				
	30 min.		____ min.				
	Comments		____ min.				
	Time Canister Closed	859					
	Final Canister Pressure (inches Hg)	-0.5					
	Time of Sample Collection						

Notes:

Calculating Purge Volume: Length of tube (ft.) x 5.5 cc/linear foot (1/4" OD Teflon Tube)

Soil Vapor Sample Collection Data

Sample ID: SV - 4

Client: Comstock Commons | Date 7.8.19

Project Number: 403539(01)

Site Location: 201 San Marin Drive

Field Personnel ALT

Type of Probe and Advancement Method

Sample Data	Sample ID						
	Canister Serial No.	1874-1294					
	Flow Controller Serial No.	316-1320					
	Sample Depth (Ft.)	5					
	Tubing length	8					
	Purge Volume and Rate	150 ml/min					
	Calculated Duration of Purge (3 tubing volumes)	3 x 8' x 5.5 mL/ft / 1000ml			x 30" = 0.66"		
1-2-Minute Shut-in Test	Time Sample-Train Shut-in Test Begins	910					
	Initial Canister Vacuum (inches Hg)	-26.5					
	Time Sample-Train Shut-in Test Ends	915					
	Duration of Test	5min					
	Final Canister Vacuum (inches Hg)	-26.5					
Purge	Time Beginning of Purge	919	-26.5				
	Time End of Purge		-25.5				
	Actual Duration of Purge						
Sample Collection and Tracer Gas Monitoring	Time Canister Opened	922					
	Initial Canister Vacuum (inches Hg)	-30					
	Measured Helium % initial	~~52.4~~ 33.5					
	2 min.	29.0	35 min.				
	4 min.	21.3	40 min.				
	~~6min.~~ 5 → 40.4 35.5		45 min.				
	8min.		50 min.				
	10 min.		55 min.				
	15 min.		60 min.				
	20 min.		____ min.				
	25 min.		____ min.				
	30 min.		____ min.				
	Comments		____ min.				
	Time Canister Closed	929					
	Final Canister Pressure (inches Hg)	-3.5					
	Time of Sample Collection						

Notes:
Calculating Purge Volume: Length of tube (ft.) x 5.5 cc/linear foot (1/4" OD Teflon Tube)

Soil Vapor Sample Collection Data

Sample ID: SV-5

Client: Comstock Commons | Date 7.8.19

Project Number: 40353900 1

Site Location: 200 San Marin Drive

Field Personnel ALT

Type of Probe and Advancement Method

Sample Data	Sample ID						
	Canister Serial No.	7531 - 879					
	Flow Controller Serial No.	316-1364					
	Sample Depth (Ft.)	5					
	Tubing length	5'					
	Purge Volume and Rate	150 ml/min					
	Calculated Duration of Purge (3 tubing volumes)	5' x 5.5 mL/ft x 3	/6000 mL	x 30 = 0.06			
1-2-Minute Shut-in Test	Time Sample-Train Shut-in Test Begins	940	-2				
	Initial Canister Vacuum (inches Hg)	-28.5					
	Time Sample-Train Shut-in Test Ends	945					
	Duration of Test	5 min					
	Final Canister Vacuum (inches Hg)	-23.5					
Purge	Time Beginning of Purge	946	-23.5				
	Time End of Purge	952	-22.5				
	Actual Duration of Purge	8 min					
Sample Collection and Tracer Gas Monitoring	Time Canister Opened	953					
	Initial Canister Vacuum (inches Hg)	-28.5					
	Measured Helium % initial	32.3					
	2 min. →	33.0	35 min.	23.0			
	4 min.	29.6	40 min.				
	6min.	28.2	45 min.				
	8min.	25.9	50 min.				
	10 min. →	37.5	55 min.				
	15 min.	23.5	60 min.				
	20 min. → 30	24.5	____ min.				
	~~25 min.~~ CO2 30.4	46.3	____ min.				
	→ 30 min.	~~47.6~~	____ min.				
	Comments		____ min.				
	Time Canister Closed	1031					
	Final Canister Pressure (inches Hg)	-5.0					
	Time of Sample Collection						

Notes:
Calculating Purge Volume: Length of tube (ft.) x 5.5 cc/linear foot (1/4" OD Teflon Tube)

APPENDIX C

Laboratory Analytical Reports

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1907265

Report Created for: Ninyo & Moore

2020 Challenger Drive, Suite 103
Alameda, CA 94501

Project Contact: Aubrey Cool
Project P.O.:
Project: 403539001; Comstock Commons; Novato, CA

Project Received: 07/05/2019

Analytical Report reviewed & approved for release on 07/15/2019 by:

Heidi Fruhlinger
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Ninyo & Moore
Project: 403539001; Comstock Commons; Novato, CA
WorkOrder: 1907265

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Ninyo & Moore
Project: 403539001; Comstock Commons; Novato, CA
WorkOrder: 1907265

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Spike recovery outside accepted recovery limits
c2	Surrogate recovery outside of the control limits due to matrix interference.
c4	Surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram.
d1	Weakly modified or unmodified gasoline is significant
e2	Diesel range compounds are significant; no recognizable pattern
e7	Oil range compounds are significant
e8/e4	Pattern resembles kerosene/kerosene range/jet fuel range; and/or Gasoline range compounds are significant.
e8	Pattern resembles kerosene/kerosene range/jet fuel range

Quality Control Qualifiers

F1	MS/MSD recovery and/or RPD is out of acceptance criteria; LCS validates the prep batch.
F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.
F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.
F6	LCS/LCSD recovery is above the acceptance limits; therefore, the result is reported as an estimate.
F13	Indigenous sample results too high for a representative matrix spike analysis.

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-1	1907265-001A	Soil	07/03/2019 13:10	GC16 07091910.D	181079

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	07/09/2019 12:40
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/09/2019 12:40
Benzene	ND	0.0050	1	07/09/2019 12:40
Bromobenzene	ND	0.0050	1	07/09/2019 12:40
Bromochloromethane	ND	0.0050	1	07/09/2019 12:40
Bromodichloromethane	ND	0.0050	1	07/09/2019 12:40
Bromoform	ND	0.0050	1	07/09/2019 12:40
Bromomethane	ND	0.0050	1	07/09/2019 12:40
2-Butanone (MEK)	ND	0.050	1	07/09/2019 12:40
t-Butyl alcohol (TBA)	ND	0.050	1	07/09/2019 12:40
n-Butyl benzene	ND	0.0050	1	07/09/2019 12:40
sec-Butyl benzene	ND	0.0050	1	07/09/2019 12:40
tert-Butyl benzene	ND	0.0050	1	07/09/2019 12:40
Carbon Disulfide	ND	0.0050	1	07/09/2019 12:40
Carbon Tetrachloride	ND	0.0050	1	07/09/2019 12:40
Chlorobenzene	ND	0.0050	1	07/09/2019 12:40
Chloroethane	ND	0.0050	1	07/09/2019 12:40
Chloroform	ND	0.0050	1	07/09/2019 12:40
Chloromethane	ND	0.0050	1	07/09/2019 12:40
2-Chlorotoluene	ND	0.0050	1	07/09/2019 12:40
4-Chlorotoluene	ND	0.0050	1	07/09/2019 12:40
Dibromochloromethane	ND	0.0050	1	07/09/2019 12:40
1,2-Dibromo-3-chloropropane	ND	0.0050	1	07/09/2019 12:40
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/09/2019 12:40
Dibromomethane	ND	0.0050	1	07/09/2019 12:40
1,2-Dichlorobenzene	ND	0.0050	1	07/09/2019 12:40
1,3-Dichlorobenzene	ND	0.0050	1	07/09/2019 12:40
1,4-Dichlorobenzene	ND	0.0050	1	07/09/2019 12:40
Dichlorodifluoromethane	ND	0.0050	1	07/09/2019 12:40
1,1-Dichloroethane	ND	0.0050	1	07/09/2019 12:40
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/09/2019 12:40
1,1-Dichloroethene	ND	0.0050	1	07/09/2019 12:40
cis-1,2-Dichloroethene	ND	0.0050	1	07/09/2019 12:40
trans-1,2-Dichloroethene	ND	0.0050	1	07/09/2019 12:40
1,2-Dichloropropane	ND	0.0050	1	07/09/2019 12:40
1,3-Dichloropropane	ND	0.0050	1	07/09/2019 12:40
2,2-Dichloropropane	ND	0.0050	1	07/09/2019 12:40

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-1	1907265-001A	Soil	07/03/2019 13:10	GC16 07091910.D	181079

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/09/2019 12:40
cis-1,3-Dichloropropene	ND	0.0050	1	07/09/2019 12:40
trans-1,3-Dichloropropene	ND	0.0050	1	07/09/2019 12:40
Diisopropyl ether (DIPE)	ND	0.0050	1	07/09/2019 12:40
Ethylbenzene	ND	0.0050	1	07/09/2019 12:40
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/09/2019 12:40
Freon 113	ND	0.0050	1	07/09/2019 12:40
Hexachlorobutadiene	ND	0.0050	1	07/09/2019 12:40
Hexachloroethane	ND	0.0050	1	07/09/2019 12:40
2-Hexanone	ND	0.0050	1	07/09/2019 12:40
Isopropylbenzene	ND	0.0050	1	07/09/2019 12:40
4-Isopropyl toluene	ND	0.0050	1	07/09/2019 12:40
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/09/2019 12:40
Methylene chloride	ND	0.020	1	07/09/2019 12:40
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/09/2019 12:40
Naphthalene	ND	0.0050	1	07/09/2019 12:40
n-Propyl benzene	ND	0.0050	1	07/09/2019 12:40
Styrene	ND	0.0050	1	07/09/2019 12:40
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/09/2019 12:40
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/09/2019 12:40
Tetrachloroethene	ND	0.0050	1	07/09/2019 12:40
Toluene	ND	0.0050	1	07/09/2019 12:40
1,2,3-Trichlorobenzene	ND	0.0050	1	07/09/2019 12:40
1,2,4-Trichlorobenzene	ND	0.0050	1	07/09/2019 12:40
1,1,1-Trichloroethane	ND	0.0050	1	07/09/2019 12:40
1,1,2-Trichloroethane	ND	0.0050	1	07/09/2019 12:40
Trichloroethene	ND	0.0050	1	07/09/2019 12:40
Trichlorofluoromethane	ND	0.0050	1	07/09/2019 12:40
1,2,3-Trichloropropane	ND	0.0050	1	07/09/2019 12:40
1,2,4-Trimethylbenzene	ND	0.0050	1	07/09/2019 12:40
1,3,5-Trimethylbenzene	ND	0.0050	1	07/09/2019 12:40
Vinyl Chloride	ND	0.0050	1	07/09/2019 12:40
m,p-Xylene	ND	0.0050	1	07/09/2019 12:40
o-Xylene	ND	0.0050	1	07/09/2019 12:40
Xylenes, Total	ND	0.0050	1	07/09/2019 12:40

(Cont.)

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-1	**1907265-001A**	**Soil**	**07/03/2019 13:10**	**GC16 07091910.D**	**181079**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Qualifiers**	**Limits**		
Dibromofluoromethane	89		66-116		07/09/2019 12:40
Toluene-d8	115	S	86-110		07/09/2019 12:40
4-BFB	83		71-114		07/09/2019 12:40
Benzene-d6	105		62-122		07/09/2019 12:40
Ethylbenzene-d10	136	S	69-130		07/09/2019 12:40
1,2-DCB-d4	81		55-108		07/09/2019 12:40

Analyst(s): KF Analytical Comments: c2

(Cont.)

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-5	1907265-002A	Soil	07/03/2019 13:25	GC38 07121983.D	181079

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	07/14/2019 12:16
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/14/2019 12:16
Benzene	ND	0.0050	1	07/14/2019 12:16
Bromobenzene	ND	0.0050	1	07/14/2019 12:16
Bromochloromethane	ND	0.0050	1	07/14/2019 12:16
Bromodichloromethane	ND	0.0050	1	07/14/2019 12:16
Bromoform	ND	0.0050	1	07/14/2019 12:16
Bromomethane	ND	0.0050	1	07/14/2019 12:16
2-Butanone (MEK)	ND	0.050	1	07/14/2019 12:16
t-Butyl alcohol (TBA)	ND	0.050	1	07/14/2019 12:16
n-Butyl benzene	ND	0.0050	1	07/14/2019 12:16
sec-Butyl benzene	ND	0.0050	1	07/14/2019 12:16
tert-Butyl benzene	ND	0.0050	1	07/14/2019 12:16
Carbon Disulfide	ND	0.0050	1	07/14/2019 12:16
Carbon Tetrachloride	ND	0.0050	1	07/14/2019 12:16
Chlorobenzene	ND	0.0050	1	07/14/2019 12:16
Chloroethane	ND	0.0050	1	07/14/2019 12:16
Chloroform	ND	0.0050	1	07/14/2019 12:16
Chloromethane	ND	0.0050	1	07/14/2019 12:16
2-Chlorotoluene	ND	0.0050	1	07/14/2019 12:16
4-Chlorotoluene	ND	0.0050	1	07/14/2019 12:16
Dibromochloromethane	ND	0.0050	1	07/14/2019 12:16
1,2-Dibromo-3-chloropropane	ND	0.0050	1	07/14/2019 12:16
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/14/2019 12:16
Dibromomethane	ND	0.0050	1	07/14/2019 12:16
1,2-Dichlorobenzene	ND	0.0050	1	07/14/2019 12:16
1,3-Dichlorobenzene	ND	0.0050	1	07/14/2019 12:16
1,4-Dichlorobenzene	ND	0.0050	1	07/14/2019 12:16
Dichlorodifluoromethane	ND	0.0050	1	07/14/2019 12:16
1,1-Dichloroethane	ND	0.0050	1	07/14/2019 12:16
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/14/2019 12:16
1,1-Dichloroethene	ND	0.0050	1	07/14/2019 12:16
cis-1,2-Dichloroethene	ND	0.0050	1	07/14/2019 12:16
trans-1,2-Dichloroethene	ND	0.0050	1	07/14/2019 12:16
1,2-Dichloropropane	ND	0.0050	1	07/14/2019 12:16
1,3-Dichloropropane	ND	0.0050	1	07/14/2019 12:16
2,2-Dichloropropane	ND	0.0050	1	07/14/2019 12:16

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-5	1907265-002A	Soil	07/03/2019 13:25	GC38 07121983.D	181079

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/14/2019 12:16
cis-1,3-Dichloropropene	ND	0.0050	1	07/14/2019 12:16
trans-1,3-Dichloropropene	ND	0.0050	1	07/14/2019 12:16
Diisopropyl ether (DIPE)	ND	0.0050	1	07/14/2019 12:16
Ethylbenzene	ND	0.0050	1	07/14/2019 12:16
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/14/2019 12:16
Freon 113	ND	0.0050	1	07/14/2019 12:16
Hexachlorobutadiene	ND	0.0050	1	07/14/2019 12:16
Hexachloroethane	ND	0.0050	1	07/14/2019 12:16
2-Hexanone	ND	0.0050	1	07/14/2019 12:16
Isopropylbenzene	ND	0.0050	1	07/14/2019 12:16
4-Isopropyl toluene	ND	0.0050	1	07/14/2019 12:16
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/14/2019 12:16
Methylene chloride	ND	0.020	1	07/14/2019 12:16
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/14/2019 12:16
Naphthalene	ND	0.0050	1	07/14/2019 12:16
n-Propyl benzene	ND	0.0050	1	07/14/2019 12:16
Styrene	ND	0.0050	1	07/14/2019 12:16
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/14/2019 12:16
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/14/2019 12:16
Tetrachloroethene	ND	0.0050	1	07/14/2019 12:16
Toluene	ND	0.0050	1	07/14/2019 12:16
1,2,3-Trichlorobenzene	ND	0.0050	1	07/14/2019 12:16
1,2,4-Trichlorobenzene	ND	0.0050	1	07/14/2019 12:16
1,1,1-Trichloroethane	ND	0.0050	1	07/14/2019 12:16
1,1,2-Trichloroethane	ND	0.0050	1	07/14/2019 12:16
Trichloroethene	ND	0.0050	1	07/14/2019 12:16
Trichlorofluoromethane	ND	0.0050	1	07/14/2019 12:16
1,2,3-Trichloropropane	ND	0.0050	1	07/14/2019 12:16
1,2,4-Trimethylbenzene	ND	0.0050	1	07/14/2019 12:16
1,3,5-Trimethylbenzene	ND	0.0050	1	07/14/2019 12:16
Vinyl Chloride	ND	0.0050	1	07/14/2019 12:16
m,p-Xylene	ND	0.0050	1	07/14/2019 12:16
o-Xylene	ND	0.0050	1	07/14/2019 12:16
Xylenes, Total	ND	0.0050	1	07/14/2019 12:16

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-5	**1907265-002A**	**Soil**	**07/03/2019 13:25**	**GC38 07121983.D**	**181079**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	91	66-116		07/14/2019 12:16
Toluene-d8	100	86-110		07/14/2019 12:16
4-BFB	92	71-114		07/14/2019 12:16
Benzene-d6	92	62-122		07/14/2019 12:16
Ethylbenzene-d10	103	69-130		07/14/2019 12:16
1,2-DCB-d4	78	55-108		07/14/2019 12:16

Analyst(s): AK

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-8	1907265-003A	Soil	07/03/2019 09:10	GC38 07121984.D	181079

Analytes	Result	RL	DF	Date Analyzed
Acetone	**0.14**	0.10	1	07/14/2019 12:54
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/14/2019 12:54
Benzene	ND	0.0050	1	07/14/2019 12:54
Bromobenzene	ND	0.0050	1	07/14/2019 12:54
Bromochloromethane	ND	0.0050	1	07/14/2019 12:54
Bromodichloromethane	ND	0.0050	1	07/14/2019 12:54
Bromoform	ND	0.0050	1	07/14/2019 12:54
Bromomethane	ND	0.0050	1	07/14/2019 12:54
2-Butanone (MEK)	ND	0.050	1	07/14/2019 12:54
t-Butyl alcohol (TBA)	ND	0.050	1	07/14/2019 12:54
n-Butyl benzene	ND	0.0050	1	07/14/2019 12:54
sec-Butyl benzene	ND	0.0050	1	07/14/2019 12:54
tert-Butyl benzene	ND	0.0050	1	07/14/2019 12:54
Carbon Disulfide	ND	0.0050	1	07/14/2019 12:54
Carbon Tetrachloride	ND	0.0050	1	07/14/2019 12:54
Chlorobenzene	ND	0.0050	1	07/14/2019 12:54
Chloroethane	ND	0.0050	1	07/14/2019 12:54
Chloroform	ND	0.0050	1	07/14/2019 12:54
Chloromethane	ND	0.0050	1	07/14/2019 12:54
2-Chlorotoluene	ND	0.0050	1	07/14/2019 12:54
4-Chlorotoluene	ND	0.0050	1	07/14/2019 12:54
Dibromochloromethane	ND	0.0050	1	07/14/2019 12:54
1,2-Dibromo-3-chloropropane	ND	0.0050	1	07/14/2019 12:54
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/14/2019 12:54
Dibromomethane	ND	0.0050	1	07/14/2019 12:54
1,2-Dichlorobenzene	ND	0.0050	1	07/14/2019 12:54
1,3-Dichlorobenzene	ND	0.0050	1	07/14/2019 12:54
1,4-Dichlorobenzene	ND	0.0050	1	07/14/2019 12:54
Dichlorodifluoromethane	ND	0.0050	1	07/14/2019 12:54
1,1-Dichloroethane	ND	0.0050	1	07/14/2019 12:54
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/14/2019 12:54
1,1-Dichloroethene	ND	0.0050	1	07/14/2019 12:54
cis-1,2-Dichloroethene	ND	0.0050	1	07/14/2019 12:54
trans-1,2-Dichloroethene	ND	0.0050	1	07/14/2019 12:54
1,2-Dichloropropane	ND	0.0050	1	07/14/2019 12:54
1,3-Dichloropropane	ND	0.0050	1	07/14/2019 12:54
2,2-Dichloropropane	ND	0.0050	1	07/14/2019 12:54

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-8	1907265-003A	Soil	07/03/2019 09:10	GC38 07121984.D	181079

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/14/2019 12:54
cis-1,3-Dichloropropene	ND	0.0050	1	07/14/2019 12:54
trans-1,3-Dichloropropene	ND	0.0050	1	07/14/2019 12:54
Diisopropyl ether (DIPE)	ND	0.0050	1	07/14/2019 12:54
Ethylbenzene	ND	0.0050	1	07/14/2019 12:54
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/14/2019 12:54
Freon 113	ND	0.0050	1	07/14/2019 12:54
Hexachlorobutadiene	ND	0.0050	1	07/14/2019 12:54
Hexachloroethane	ND	0.0050	1	07/14/2019 12:54
2-Hexanone	ND	0.0050	1	07/14/2019 12:54
Isopropylbenzene	ND	0.0050	1	07/14/2019 12:54
4-Isopropyl toluene	ND	0.0050	1	07/14/2019 12:54
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/14/2019 12:54
Methylene chloride	ND	0.020	1	07/14/2019 12:54
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/14/2019 12:54
Naphthalene	ND	0.0050	1	07/14/2019 12:54
n-Propyl benzene	ND	0.0050	1	07/14/2019 12:54
Styrene	ND	0.0050	1	07/14/2019 12:54
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/14/2019 12:54
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/14/2019 12:54
Tetrachloroethene	ND	0.0050	1	07/14/2019 12:54
Toluene	ND	0.0050	1	07/14/2019 12:54
1,2,3-Trichlorobenzene	ND	0.0050	1	07/14/2019 12:54
1,2,4-Trichlorobenzene	ND	0.0050	1	07/14/2019 12:54
1,1,1-Trichloroethane	ND	0.0050	1	07/14/2019 12:54
1,1,2-Trichloroethane	ND	0.0050	1	07/14/2019 12:54
Trichloroethene	ND	0.0050	1	07/14/2019 12:54
Trichlorofluoromethane	ND	0.0050	1	07/14/2019 12:54
1,2,3-Trichloropropane	ND	0.0050	1	07/14/2019 12:54
1,2,4-Trimethylbenzene	ND	0.0050	1	07/14/2019 12:54
1,3,5-Trimethylbenzene	ND	0.0050	1	07/14/2019 12:54
Vinyl Chloride	ND	0.0050	1	07/14/2019 12:54
m,p-Xylene	ND	0.0050	1	07/14/2019 12:54
o-Xylene	ND	0.0050	1	07/14/2019 12:54
Xylenes, Total	ND	0.0050	1	07/14/2019 12:54

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-8	**1907265-003A**	**Soil**	**07/03/2019 09:10**	**GC38 07121984.D**	**181079**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	99	66-116		07/14/2019 12:54
Toluene-d8	100	86-110		07/14/2019 12:54
4-BFB	91	71-114		07/14/2019 12:54
Benzene-d6	103	62-122		07/14/2019 12:54
Ethylbenzene-d10	106	69-130		07/14/2019 12:54
1,2-DCB-d4	79	55-108		07/14/2019 12:54

Analyst(s): AK

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-17.25	1907265-004A	Soil	07/03/2019 10:00	GC38 07121985.D	181079

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	07/14/2019 13:32
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/14/2019 13:32
Benzene	ND	0.0050	1	07/14/2019 13:32
Bromobenzene	ND	0.0050	1	07/14/2019 13:32
Bromochloromethane	ND	0.0050	1	07/14/2019 13:32
Bromodichloromethane	ND	0.0050	1	07/14/2019 13:32
Bromoform	ND	0.0050	1	07/14/2019 13:32
Bromomethane	ND	0.0050	1	07/14/2019 13:32
2-Butanone (MEK)	ND	0.050	1	07/14/2019 13:32
t-Butyl alcohol (TBA)	ND	0.050	1	07/14/2019 13:32
n-Butyl benzene	**0.0086**	0.0050	1	07/14/2019 13:32
sec-Butyl benzene	ND	0.0050	1	07/14/2019 13:32
tert-Butyl benzene	ND	0.0050	1	07/14/2019 13:32
Carbon Disulfide	ND	0.0050	1	07/14/2019 13:32
Carbon Tetrachloride	ND	0.0050	1	07/14/2019 13:32
Chlorobenzene	ND	0.0050	1	07/14/2019 13:32
Chloroethane	ND	0.0050	1	07/14/2019 13:32
Chloroform	ND	0.0050	1	07/14/2019 13:32
Chloromethane	ND	0.0050	1	07/14/2019 13:32
2-Chlorotoluene	ND	0.0050	1	07/14/2019 13:32
4-Chlorotoluene	ND	0.0050	1	07/14/2019 13:32
Dibromochloromethane	ND	0.0050	1	07/14/2019 13:32
1,2-Dibromo-3-chloropropane	ND	0.0050	1	07/14/2019 13:32
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/14/2019 13:32
Dibromomethane	ND	0.0050	1	07/14/2019 13:32
1,2-Dichlorobenzene	ND	0.0050	1	07/14/2019 13:32
1,3-Dichlorobenzene	ND	0.0050	1	07/14/2019 13:32
1,4-Dichlorobenzene	ND	0.0050	1	07/14/2019 13:32
Dichlorodifluoromethane	ND	0.0050	1	07/14/2019 13:32
1,1-Dichloroethane	ND	0.0050	1	07/14/2019 13:32
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/14/2019 13:32
1,1-Dichloroethene	ND	0.0050	1	07/14/2019 13:32
cis-1,2-Dichloroethene	ND	0.0050	1	07/14/2019 13:32
trans-1,2-Dichloroethene	ND	0.0050	1	07/14/2019 13:32
1,2-Dichloropropane	ND	0.0050	1	07/14/2019 13:32
1,3-Dichloropropane	ND	0.0050	1	07/14/2019 13:32
2,2-Dichloropropane	ND	0.0050	1	07/14/2019 13:32

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-17.25	1907265-004A	Soil	07/03/2019 10:00	GC38 07121985.D	181079

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/14/2019 13:32
cis-1,3-Dichloropropene	ND	0.0050	1	07/14/2019 13:32
trans-1,3-Dichloropropene	ND	0.0050	1	07/14/2019 13:32
Diisopropyl ether (DIPE)	ND	0.0050	1	07/14/2019 13:32
Ethylbenzene	ND	0.0050	1	07/14/2019 13:32
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/14/2019 13:32
Freon 113	ND	0.0050	1	07/14/2019 13:32
Hexachlorobutadiene	ND	0.0050	1	07/14/2019 13:32
Hexachloroethane	ND	0.0050	1	07/14/2019 13:32
2-Hexanone	ND	0.0050	1	07/14/2019 13:32
Isopropylbenzene	ND	0.0050	1	07/14/2019 13:32
4-Isopropyl toluene	ND	0.0050	1	07/14/2019 13:32
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/14/2019 13:32
Methylene chloride	ND	0.020	1	07/14/2019 13:32
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/14/2019 13:32
Naphthalene	ND	0.0050	1	07/14/2019 13:32
n-Propyl benzene	ND	0.0050	1	07/14/2019 13:32
Styrene	ND	0.0050	1	07/14/2019 13:32
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/14/2019 13:32
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/14/2019 13:32
Tetrachloroethene	ND	0.0050	1	07/14/2019 13:32
Toluene	ND	0.0050	1	07/14/2019 13:32
1,2,3-Trichlorobenzene	ND	0.0050	1	07/14/2019 13:32
1,2,4-Trichlorobenzene	ND	0.0050	1	07/14/2019 13:32
1,1,1-Trichloroethane	ND	0.0050	1	07/14/2019 13:32
1,1,2-Trichloroethane	ND	0.0050	1	07/14/2019 13:32
Trichloroethene	ND	0.0050	1	07/14/2019 13:32
Trichlorofluoromethane	ND	0.0050	1	07/14/2019 13:32
1,2,3-Trichloropropane	ND	0.0050	1	07/14/2019 13:32
1,2,4-Trimethylbenzene	ND	0.0050	1	07/14/2019 13:32
1,3,5-Trimethylbenzene	ND	0.0050	1	07/14/2019 13:32
Vinyl Chloride	ND	0.0050	1	07/14/2019 13:32
m,p-Xylene	ND	0.0050	1	07/14/2019 13:32
o-Xylene	ND	0.0050	1	07/14/2019 13:32
Xylenes, Total	ND	0.0050	1	07/14/2019 13:32

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-17.25	**1907265-004A**	**Soil**	**07/03/2019 10:00**	**GC38 07121985.D**	**181079**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	98	66-116		07/14/2019 13:32
Toluene-d8	100	86-110		07/14/2019 13:32
4-BFB	91	71-114		07/14/2019 13:32
Benzene-d6	98	62-122		07/14/2019 13:32
Ethylbenzene-d10	99	69-130		07/14/2019 13:32
1,2-DCB-d4	75	55-108		07/14/2019 13:32

Analyst(s): AK

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-5	1907265-006A	Soil	07/03/2019 12:10	GC38 07121986.D	181079

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	07/14/2019 14:10
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/14/2019 14:10
Benzene	ND	0.0050	1	07/14/2019 14:10
Bromobenzene	ND	0.0050	1	07/14/2019 14:10
Bromochloromethane	ND	0.0050	1	07/14/2019 14:10
Bromodichloromethane	ND	0.0050	1	07/14/2019 14:10
Bromoform	ND	0.0050	1	07/14/2019 14:10
Bromomethane	ND	0.0050	1	07/14/2019 14:10
2-Butanone (MEK)	ND	0.050	1	07/14/2019 14:10
t-Butyl alcohol (TBA)	ND	0.050	1	07/14/2019 14:10
n-Butyl benzene	ND	0.0050	1	07/14/2019 14:10
sec-Butyl benzene	ND	0.0050	1	07/14/2019 14:10
tert-Butyl benzene	ND	0.0050	1	07/14/2019 14:10
Carbon Disulfide	ND	0.0050	1	07/14/2019 14:10
Carbon Tetrachloride	ND	0.0050	1	07/14/2019 14:10
Chlorobenzene	ND	0.0050	1	07/14/2019 14:10
Chloroethane	ND	0.0050	1	07/14/2019 14:10
Chloroform	ND	0.0050	1	07/14/2019 14:10
Chloromethane	ND	0.0050	1	07/14/2019 14:10
2-Chlorotoluene	ND	0.0050	1	07/14/2019 14:10
4-Chlorotoluene	ND	0.0050	1	07/14/2019 14:10
Dibromochloromethane	ND	0.0050	1	07/14/2019 14:10
1,2-Dibromo-3-chloropropane	ND	0.0050	1	07/14/2019 14:10
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/14/2019 14:10
Dibromomethane	ND	0.0050	1	07/14/2019 14:10
1,2-Dichlorobenzene	ND	0.0050	1	07/14/2019 14:10
1,3-Dichlorobenzene	ND	0.0050	1	07/14/2019 14:10
1,4-Dichlorobenzene	ND	0.0050	1	07/14/2019 14:10
Dichlorodifluoromethane	ND	0.0050	1	07/14/2019 14:10
1,1-Dichloroethane	ND	0.0050	1	07/14/2019 14:10
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/14/2019 14:10
1,1-Dichloroethene	ND	0.0050	1	07/14/2019 14:10
cis-1,2-Dichloroethene	ND	0.0050	1	07/14/2019 14:10
trans-1,2-Dichloroethene	ND	0.0050	1	07/14/2019 14:10
1,2-Dichloropropane	ND	0.0050	1	07/14/2019 14:10
1,3-Dichloropropane	ND	0.0050	1	07/14/2019 14:10
2,2-Dichloropropane	ND	0.0050	1	07/14/2019 14:10

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-5	1907265-006A	Soil	07/03/2019 12:10	GC38 07121986.D	181079

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/14/2019 14:10
cis-1,3-Dichloropropene	ND	0.0050	1	07/14/2019 14:10
trans-1,3-Dichloropropene	ND	0.0050	1	07/14/2019 14:10
Diisopropyl ether (DIPE)	ND	0.0050	1	07/14/2019 14:10
Ethylbenzene	ND	0.0050	1	07/14/2019 14:10
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/14/2019 14:10
Freon 113	ND	0.0050	1	07/14/2019 14:10
Hexachlorobutadiene	ND	0.0050	1	07/14/2019 14:10
Hexachloroethane	ND	0.0050	1	07/14/2019 14:10
2-Hexanone	ND	0.0050	1	07/14/2019 14:10
Isopropylbenzene	ND	0.0050	1	07/14/2019 14:10
4-Isopropyl toluene	ND	0.0050	1	07/14/2019 14:10
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/14/2019 14:10
Methylene chloride	ND	0.020	1	07/14/2019 14:10
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/14/2019 14:10
Naphthalene	ND	0.0050	1	07/14/2019 14:10
n-Propyl benzene	ND	0.0050	1	07/14/2019 14:10
Styrene	ND	0.0050	1	07/14/2019 14:10
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/14/2019 14:10
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/14/2019 14:10
Tetrachloroethene	ND	0.0050	1	07/14/2019 14:10
Toluene	ND	0.0050	1	07/14/2019 14:10
1,2,3-Trichlorobenzene	ND	0.0050	1	07/14/2019 14:10
1,2,4-Trichlorobenzene	ND	0.0050	1	07/14/2019 14:10
1,1,1-Trichloroethane	ND	0.0050	1	07/14/2019 14:10
1,1,2-Trichloroethane	ND	0.0050	1	07/14/2019 14:10
Trichloroethene	ND	0.0050	1	07/14/2019 14:10
Trichlorofluoromethane	ND	0.0050	1	07/14/2019 14:10
1,2,3-Trichloropropane	ND	0.0050	1	07/14/2019 14:10
1,2,4-Trimethylbenzene	ND	0.0050	1	07/14/2019 14:10
1,3,5-Trimethylbenzene	ND	0.0050	1	07/14/2019 14:10
Vinyl Chloride	ND	0.0050	1	07/14/2019 14:10
m,p-Xylene	ND	0.0050	1	07/14/2019 14:10
o-Xylene	ND	0.0050	1	07/14/2019 14:10
Xylenes, Total	ND	0.0050	1	07/14/2019 14:10

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-5	**1907265-006A**	**Soil**	**07/03/2019 12:10**	**GC38 07121986.D**	**181079**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	99	66-116		07/14/2019 14:10
Toluene-d8	99	86-110		07/14/2019 14:10
4-BFB	92	71-114		07/14/2019 14:10
Benzene-d6	99	62-122		07/14/2019 14:10
Ethylbenzene-d10	99	69-130		07/14/2019 14:10
1,2-DCB-d4	75	55-108		07/14/2019 14:10

Analyst(s): AK

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-18	**1907265-007A**	**Soil**	**07/03/2019 12:30**	**GC38 07121987.D**	**181079**

Analytes	Result	RL	DF	Date Analyzed
Acetone	**0.12**	0.10	1	07/14/2019 14:48
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/14/2019 14:48
Benzene	ND	0.0050	1	07/14/2019 14:48
Bromobenzene	ND	0.0050	1	07/14/2019 14:48
Bromochloromethane	ND	0.0050	1	07/14/2019 14:48
Bromodichloromethane	ND	0.0050	1	07/14/2019 14:48
Bromoform	ND	0.0050	1	07/14/2019 14:48
Bromomethane	ND	0.0050	1	07/14/2019 14:48
2-Butanone (MEK)	ND	0.050	1	07/14/2019 14:48
t-Butyl alcohol (TBA)	ND	0.050	1	07/14/2019 14:48
n-Butyl benzene	ND	0.0050	1	07/14/2019 14:48
sec-Butyl benzene	ND	0.0050	1	07/14/2019 14:48
tert-Butyl benzene	ND	0.0050	1	07/14/2019 14:48
Carbon Disulfide	ND	0.0050	1	07/14/2019 14:48
Carbon Tetrachloride	ND	0.0050	1	07/14/2019 14:48
Chlorobenzene	ND	0.0050	1	07/14/2019 14:48
Chloroethane	ND	0.0050	1	07/14/2019 14:48
Chloroform	ND	0.0050	1	07/14/2019 14:48
Chloromethane	ND	0.0050	1	07/14/2019 14:48
2-Chlorotoluene	ND	0.0050	1	07/14/2019 14:48
4-Chlorotoluene	ND	0.0050	1	07/14/2019 14:48
Dibromochloromethane	ND	0.0050	1	07/14/2019 14:48
1,2-Dibromo-3-chloropropane	ND	0.0050	1	07/14/2019 14:48
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/14/2019 14:48
Dibromomethane	ND	0.0050	1	07/14/2019 14:48
1,2-Dichlorobenzene	ND	0.0050	1	07/14/2019 14:48
1,3-Dichlorobenzene	ND	0.0050	1	07/14/2019 14:48
1,4-Dichlorobenzene	ND	0.0050	1	07/14/2019 14:48
Dichlorodifluoromethane	ND	0.0050	1	07/14/2019 14:48
1,1-Dichloroethane	ND	0.0050	1	07/14/2019 14:48
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/14/2019 14:48
1,1-Dichloroethene	ND	0.0050	1	07/14/2019 14:48
cis-1,2-Dichloroethene	ND	0.0050	1	07/14/2019 14:48
trans-1,2-Dichloroethene	ND	0.0050	1	07/14/2019 14:48
1,2-Dichloropropane	ND	0.0050	1	07/14/2019 14:48
1,3-Dichloropropane	ND	0.0050	1	07/14/2019 14:48
2,2-Dichloropropane	ND	0.0050	1	07/14/2019 14:48

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-18	1907265-007A	Soil	07/03/2019 12:30	GC38 07121987.D	181079

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/14/2019 14:48
cis-1,3-Dichloropropene	ND	0.0050	1	07/14/2019 14:48
trans-1,3-Dichloropropene	ND	0.0050	1	07/14/2019 14:48
Diisopropyl ether (DIPE)	ND	0.0050	1	07/14/2019 14:48
Ethylbenzene	ND	0.0050	1	07/14/2019 14:48
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/14/2019 14:48
Freon 113	ND	0.0050	1	07/14/2019 14:48
Hexachlorobutadiene	ND	0.0050	1	07/14/2019 14:48
Hexachloroethane	ND	0.0050	1	07/14/2019 14:48
2-Hexanone	ND	0.0050	1	07/14/2019 14:48
Isopropylbenzene	ND	0.0050	1	07/14/2019 14:48
4-Isopropyl toluene	ND	0.0050	1	07/14/2019 14:48
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/14/2019 14:48
Methylene chloride	ND	0.020	1	07/14/2019 14:48
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/14/2019 14:48
Naphthalene	ND	0.0050	1	07/14/2019 14:48
n-Propyl benzene	ND	0.0050	1	07/14/2019 14:48
Styrene	ND	0.0050	1	07/14/2019 14:48
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/14/2019 14:48
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/14/2019 14:48
Tetrachloroethene	ND	0.0050	1	07/14/2019 14:48
Toluene	ND	0.0050	1	07/14/2019 14:48
1,2,3-Trichlorobenzene	ND	0.0050	1	07/14/2019 14:48
1,2,4-Trichlorobenzene	ND	0.0050	1	07/14/2019 14:48
1,1,1-Trichloroethane	ND	0.0050	1	07/14/2019 14:48
1,1,2-Trichloroethane	ND	0.0050	1	07/14/2019 14:48
Trichloroethene	ND	0.0050	1	07/14/2019 14:48
Trichlorofluoromethane	ND	0.0050	1	07/14/2019 14:48
1,2,3-Trichloropropane	ND	0.0050	1	07/14/2019 14:48
1,2,4-Trimethylbenzene	ND	0.0050	1	07/14/2019 14:48
1,3,5-Trimethylbenzene	ND	0.0050	1	07/14/2019 14:48
Vinyl Chloride	ND	0.0050	1	07/14/2019 14:48
m,p-Xylene	ND	0.0050	1	07/14/2019 14:48
o-Xylene	ND	0.0050	1	07/14/2019 14:48
Xylenes, Total	ND	0.0050	1	07/14/2019 14:48

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-18	**1907265-007A**	**Soil**	**07/03/2019 12:30**	**GC38 07121987.D**	**181079**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	100	66-116		07/14/2019 14:48
Toluene-d8	100	86-110		07/14/2019 14:48
4-BFB	93	71-114		07/14/2019 14:48
Benzene-d6	99	62-122		07/14/2019 14:48
Ethylbenzene-d10	100	69-130		07/14/2019 14:48
1,2-DCB-d4	78	55-108		07/14/2019 14:48

Analyst(s): AK

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-GW	**1907265-005B**	**Water**	**07/03/2019 09:55**	**GC16 07081915.D**	**181097**

Analytes	Result	RL	DF	Date Analyzed
Acetone	**17**	10	1	07/08/2019 15:53
tert-Amyl methyl ether (TAME)	ND	0.50	1	07/08/2019 15:53
Benzene	ND	0.50	1	07/08/2019 15:53
Bromobenzene	ND	0.50	1	07/08/2019 15:53
Bromochloromethane	ND	0.50	1	07/08/2019 15:53
Bromodichloromethane	**0.51**	0.50	1	07/08/2019 15:53
Bromoform	ND	0.50	1	07/08/2019 15:53
Bromomethane	ND	0.50	1	07/08/2019 15:53
2-Butanone (MEK)	ND	5.0	1	07/08/2019 15:53
t-Butyl alcohol (TBA)	ND	5.0	1	07/08/2019 15:53
n-Butyl benzene	**2.2**	0.50	1	07/08/2019 15:53
sec-Butyl benzene	**1.3**	0.50	1	07/08/2019 15:53
tert-Butyl benzene	ND	0.50	1	07/08/2019 15:53
Carbon Disulfide	ND	0.50	1	07/08/2019 15:53
Carbon Tetrachloride	ND	0.50	1	07/08/2019 15:53
Chlorobenzene	ND	0.50	1	07/08/2019 15:53
Chloroethane	ND	0.50	1	07/08/2019 15:53
Chloroform	ND	0.50	1	07/08/2019 15:53
Chloromethane	ND	0.50	1	07/08/2019 15:53
2-Chlorotoluene	ND	0.50	1	07/08/2019 15:53
4-Chlorotoluene	ND	0.50	1	07/08/2019 15:53
Dibromochloromethane	ND	0.50	1	07/08/2019 15:53
1,2-Dibromo-3-chloropropane	ND	0.20	1	07/08/2019 15:53
1,2-Dibromoethane (EDB)	ND	0.50	1	07/08/2019 15:53
Dibromomethane	ND	0.50	1	07/08/2019 15:53
1,2-Dichlorobenzene	ND	0.50	1	07/08/2019 15:53
1,3-Dichlorobenzene	ND	0.50	1	07/08/2019 15:53
1,4-Dichlorobenzene	ND	0.50	1	07/08/2019 15:53
Dichlorodifluoromethane	ND	0.50	1	07/08/2019 15:53
1,1-Dichloroethane	ND	0.50	1	07/08/2019 15:53
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	07/08/2019 15:53
1,1-Dichloroethene	ND	0.50	1	07/08/2019 15:53
cis-1,2-Dichloroethene	ND	0.50	1	07/08/2019 15:53
trans-1,2-Dichloroethene	ND	0.50	1	07/08/2019 15:53
1,2-Dichloropropane	ND	0.50	1	07/08/2019 15:53
1,3-Dichloropropane	ND	0.50	1	07/08/2019 15:53
2,2-Dichloropropane	ND	0.50	1	07/08/2019 15:53

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-GW	1907265-005B	Water	07/03/2019 09:55	GC16 07081915.D	181097

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	07/08/2019 15:53
cis-1,3-Dichloropropene	ND	0.50	1	07/08/2019 15:53
trans-1,3-Dichloropropene	ND	0.50	1	07/08/2019 15:53
Diisopropyl ether (DIPE)	ND	0.50	1	07/08/2019 15:53
Ethylbenzene	ND	0.50	1	07/08/2019 15:53
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	07/08/2019 15:53
Freon 113	ND	0.50	1	07/08/2019 15:53
Hexachlorobutadiene	ND	0.50	1	07/08/2019 15:53
Hexachloroethane	ND	0.50	1	07/08/2019 15:53
2-Hexanone	ND	1.0	1	07/08/2019 15:53
Isopropylbenzene	ND	0.50	1	07/08/2019 15:53
4-Isopropyl toluene	ND	0.50	1	07/08/2019 15:53
Methyl-t-butyl ether (MTBE)	ND	0.50	1	07/08/2019 15:53
Methylene chloride	ND	2.0	1	07/08/2019 15:53
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	07/08/2019 15:53
Naphthalene	ND	1.0	1	07/08/2019 15:53
n-Propyl benzene	**0.56**	0.50	1	07/08/2019 15:53
Styrene	ND	2.0	1	07/08/2019 15:53
1,1,1,2-Tetrachloroethane	ND	0.50	1	07/08/2019 15:53
1,1,2,2-Tetrachloroethane	ND	0.50	1	07/08/2019 15:53
Tetrachloroethene	ND	0.50	1	07/08/2019 15:53
Toluene	ND	0.50	1	07/08/2019 15:53
1,2,3-Trichlorobenzene	ND	0.50	1	07/08/2019 15:53
1,2,4-Trichlorobenzene	ND	0.50	1	07/08/2019 15:53
1,1,1-Trichloroethane	ND	0.50	1	07/08/2019 15:53
1,1,2-Trichloroethane	ND	0.50	1	07/08/2019 15:53
Trichloroethene	ND	0.50	1	07/08/2019 15:53
Trichlorofluoromethane	ND	0.50	1	07/08/2019 15:53
1,2,3-Trichloropropane	ND	0.50	1	07/08/2019 15:53
1,2,4-Trimethylbenzene	ND	0.50	1	07/08/2019 15:53
1,3,5-Trimethylbenzene	ND	0.50	1	07/08/2019 15:53
Vinyl Chloride	ND	0.50	1	07/08/2019 15:53
m,p-Xylene	**0.58**	0.50	1	07/08/2019 15:53
o-Xylene	ND	0.50	1	07/08/2019 15:53
Xylenes, Total	**0.58**	0.50	1	07/08/2019 15:53

(Cont.)

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-GW	**1907265-005B**	**Water**	**07/03/2019 09:55**	**GC16 07081915.D**	**181097**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	95	81-144		07/08/2019 15:53
Toluene-d8	94	85-135		07/08/2019 15:53
4-BFB	71	63-145		07/08/2019 15:53

Analyst(s): KF

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-GW	**1907265-008B**	**Water**	**07/03/2019 11:00**	**GC16 07081917.D**	**181097**

Analytes	Result	RL	DF	Date Analyzed
Acetone	**57**	10	1	07/08/2019 17:13
tert-Amyl methyl ether (TAME)	ND	0.50	1	07/08/2019 17:13
Benzene	ND	0.50	1	07/08/2019 17:13
Bromobenzene	ND	0.50	1	07/08/2019 17:13
Bromochloromethane	ND	0.50	1	07/08/2019 17:13
Bromodichloromethane	ND	0.50	1	07/08/2019 17:13
Bromoform	ND	0.50	1	07/08/2019 17:13
Bromomethane	ND	0.50	1	07/08/2019 17:13
2-Butanone (MEK)	**6.7**	5.0	1	07/08/2019 17:13
t-Butyl alcohol (TBA)	ND	5.0	1	07/08/2019 17:13
n-Butyl benzene	ND	0.50	1	07/08/2019 17:13
sec-Butyl benzene	ND	0.50	1	07/08/2019 17:13
tert-Butyl benzene	ND	0.50	1	07/08/2019 17:13
Carbon Disulfide	**0.70**	0.50	1	07/08/2019 17:13
Carbon Tetrachloride	ND	0.50	1	07/08/2019 17:13
Chlorobenzene	ND	0.50	1	07/08/2019 17:13
Chloroethane	ND	0.50	1	07/08/2019 17:13
Chloroform	ND	0.50	1	07/08/2019 17:13
Chloromethane	ND	0.50	1	07/08/2019 17:13
2-Chlorotoluene	ND	0.50	1	07/08/2019 17:13
4-Chlorotoluene	ND	0.50	1	07/08/2019 17:13
Dibromochloromethane	ND	0.50	1	07/08/2019 17:13
1,2-Dibromo-3-chloropropane	ND	0.20	1	07/08/2019 17:13
1,2-Dibromoethane (EDB)	ND	0.50	1	07/08/2019 17:13
Dibromomethane	ND	0.50	1	07/08/2019 17:13
1,2-Dichlorobenzene	ND	0.50	1	07/08/2019 17:13
1,3-Dichlorobenzene	ND	0.50	1	07/08/2019 17:13
1,4-Dichlorobenzene	ND	0.50	1	07/08/2019 17:13
Dichlorodifluoromethane	ND	0.50	1	07/08/2019 17:13
1,1-Dichloroethane	ND	0.50	1	07/08/2019 17:13
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	07/08/2019 17:13
1,1-Dichloroethene	ND	0.50	1	07/08/2019 17:13
cis-1,2-Dichloroethene	ND	0.50	1	07/08/2019 17:13
trans-1,2-Dichloroethene	ND	0.50	1	07/08/2019 17:13
1,2-Dichloropropane	ND	0.50	1	07/08/2019 17:13
1,3-Dichloropropane	ND	0.50	1	07/08/2019 17:13
2,2-Dichloropropane	ND	0.50	1	07/08/2019 17:13

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-GW	1907265-008B	Water	07/03/2019 11:00	GC16 07081917.D	181097

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	07/08/2019 17:13
cis-1,3-Dichloropropene	ND	0.50	1	07/08/2019 17:13
trans-1,3-Dichloropropene	ND	0.50	1	07/08/2019 17:13
Diisopropyl ether (DIPE)	ND	0.50	1	07/08/2019 17:13
Ethylbenzene	ND	0.50	1	07/08/2019 17:13
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	07/08/2019 17:13
Freon 113	ND	0.50	1	07/08/2019 17:13
Hexachlorobutadiene	ND	0.50	1	07/08/2019 17:13
Hexachloroethane	ND	0.50	1	07/08/2019 17:13
2-Hexanone	ND	1.0	1	07/08/2019 17:13
Isopropylbenzene	ND	0.50	1	07/08/2019 17:13
4-Isopropyl toluene	ND	0.50	1	07/08/2019 17:13
Methyl-t-butyl ether (MTBE)	ND	0.50	1	07/08/2019 17:13
Methylene chloride	ND	2.0	1	07/08/2019 17:13
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	07/08/2019 17:13
Naphthalene	ND	1.0	1	07/08/2019 17:13
n-Propyl benzene	ND	0.50	1	07/08/2019 17:13
Styrene	ND	2.0	1	07/08/2019 17:13
1,1,1,2-Tetrachloroethane	ND	0.50	1	07/08/2019 17:13
1,1,2,2-Tetrachloroethane	ND	0.50	1	07/08/2019 17:13
Tetrachloroethene	ND	0.50	1	07/08/2019 17:13
Toluene	ND	0.50	1	07/08/2019 17:13
1,2,3-Trichlorobenzene	ND	0.50	1	07/08/2019 17:13
1,2,4-Trichlorobenzene	ND	0.50	1	07/08/2019 17:13
1,1,1-Trichloroethane	ND	0.50	1	07/08/2019 17:13
1,1,2-Trichloroethane	ND	0.50	1	07/08/2019 17:13
Trichloroethene	ND	0.50	1	07/08/2019 17:13
Trichlorofluoromethane	ND	0.50	1	07/08/2019 17:13
1,2,3-Trichloropropane	ND	0.50	1	07/08/2019 17:13
1,2,4-Trimethylbenzene	ND	0.50	1	07/08/2019 17:13
1,3,5-Trimethylbenzene	ND	0.50	1	07/08/2019 17:13
Vinyl Chloride	ND	0.50	1	07/08/2019 17:13
m,p-Xylene	ND	0.50	1	07/08/2019 17:13
o-Xylene	ND	0.50	1	07/08/2019 17:13
Xylenes, Total	ND	0.50	1	07/08/2019 17:13

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-GW	**1907265-008B**	**Water**	**07/03/2019 11:00**	**GC16 07081917.D**	**181097**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	97	81-144		07/08/2019 17:13
Toluene-d8	96	85-135		07/08/2019 17:13
4-BFB	77	63-145		07/08/2019 17:13

Analyst(s): KF

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

TPH(g)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-1	1907265-001A	Soil	07/03/2019 13:10	GC16 07091910.D	181079

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	0.25	1	07/09/2019 12:40

Surrogates	REC (%)	Limits	
Dibromofluoromethane	94	82-136	07/09/2019 12:40
Benzene-D6	118	55-122	07/09/2019 12:40

Analyst(s): KF

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-5	1907265-002A	Soil	07/03/2019 13:25	GC38 07121983.D	181079

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	0.25	1	07/14/2019 12:16

Surrogates	REC (%)	Limits	
Dibromofluoromethane	86	82-136	07/14/2019 12:16
Benzene-D6	115	55-122	07/14/2019 12:16

Analyst(s): AK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-8	1907265-003A	Soil	07/03/2019 09:10	GC38 07121984.D	181079

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	0.25	1	07/14/2019 12:54

Surrogates	REC (%)	Limits	
Dibromofluoromethane	85	82-136	07/14/2019 12:54
Benzene-D6	117	55-122	07/14/2019 12:54

Analyst(s): AK

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/kg

TPH(g)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-17.25	1907265-004A	Soil	07/03/2019 10:00	GC38 07121985.D	181079

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1.2**	0.25	1	07/14/2019 13:32

Surrogates	REC (%)	Limits	
Dibromofluoromethane	84	82-136	07/14/2019 13:32
Benzene-D6	112	55-122	07/14/2019 13:32

Analyst(s): AK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-5	1907265-006A	Soil	07/03/2019 12:10	GC38 07121986.D	181079

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	0.25	1	07/14/2019 14:10

Surrogates	REC (%)	Limits	
Dibromofluoromethane	85	82-136	07/14/2019 14:10
Benzene-D6	112	55-122	07/14/2019 14:10

Analyst(s): AK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-18	1907265-007A	Soil	07/03/2019 12:30	GC38 07121987.D	181079

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	0.25	1	07/14/2019 14:48

Surrogates	REC (%)	Limits	
Dibromofluoromethane	86	82-136	07/14/2019 14:48
Benzene-D6	113	55-122	07/14/2019 14:48

Analyst(s): AK

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/8/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	µg/L

TPH(g)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-GW	**1907265-005B**	**Water**	**07/03/2019 09:55**	**GC16 07081915.D**	**181097**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1600**	50	1	07/08/2019 15:53

Surrogates	REC (%)	Limits	
Dibromofluoromethane	98	81-144	07/08/2019 15:53

Analyst(s): KF

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-GW	**1907265-008B**	**Water**	**07/03/2019 11:00**	**GC16 07081917.D**	**181097**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**160**	50	1	07/08/2019 17:13

Surrogates	REC (%)	Limits	
Dibromofluoromethane	101	81-144	07/08/2019 17:13

Analyst(s): KF

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW5030B
Date Prepared:	7/11/19	**Analytical Method:**	SW8021B/8015Bm
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-GW	**1907265-005A**	**Water**	**07/03/2019 09:55**	**GC3 07101928.D**	**181236**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1100**	50	1	07/11/2019 01:19
MTBE	---	5.0	1	07/11/2019 01:19
Benzene	---	0.50	1	07/11/2019 01:19
Toluene	---	0.50	1	07/11/2019 01:19
Ethylbenzene	---	0.50	1	07/11/2019 01:19
m,p-Xylene	---	1.0	1	07/11/2019 01:19
o-Xylene	---	0.50	1	07/11/2019 01:19
Xylenes	---	0.50	1	07/11/2019 01:19

Surrogates	REC (%)	Qualifiers	Limits	
aaa-TFT	341	S	76-115	07/11/2019 01:19

Analyst(s): IA Analytical Comments: d1,c4

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-GW	**1907265-008A**	**Water**	**07/03/2019 11:00**	**GC3 07101929.D**	**181236**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**99**	50	1	07/11/2019 01:50
MTBE	---	5.0	1	07/11/2019 01:50
Benzene	---	0.50	1	07/11/2019 01:50
Toluene	---	0.50	1	07/11/2019 01:50
Ethylbenzene	---	0.50	1	07/11/2019 01:50
m,p-Xylene	---	1.0	1	07/11/2019 01:50
o-Xylene	---	0.50	1	07/11/2019 01:50
Xylenes	---	0.50	1	07/11/2019 01:50

Surrogates	REC (%)	Limits	
aaa-TFT	98	76-115	07/11/2019 01:50

Analyst(s): IA Analytical Comments: d1,c4

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW3050B
Date Prepared:	7/5/19	**Analytical Method:**	SW6020
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/Kg

LUFT 5 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-1	**1907265-001A**	**Soil**	**07/03/2019 13:10**	**ICP-MS2 159SMPL.D**	**181029**

Analytes	Result	RL	DF	Date Analyzed
Cadmium	ND	0.25	1	07/09/2019 12:58
Chromium	**360**	0.50	1	07/09/2019 12:58
Lead	**4.0**	0.50	1	07/09/2019 12:58
Nickel	**590**	5.0	10	07/15/2019 19:30
Zinc	**56**	5.0	1	07/09/2019 12:58

Surrogates	REC (%)	Limits	
Terbium	109	70-130	07/09/2019 12:58

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-5	**1907265-002A**	**Soil**	**07/03/2019 13:25**	**ICP-MS2 041SMPL.D**	**181029**

Analytes	Result	RL	DF	Date Analyzed
Cadmium	ND	0.25	1	07/12/2019 02:32
Chromium	**500**	2.5	5	07/12/2019 12:26
Lead	**3.6**	0.50	1	07/12/2019 02:32
Nickel	**1300**	2.5	5	07/12/2019 12:26
Zinc	**43**	5.0	1	07/12/2019 02:32

Surrogates	REC (%)	Limits	
Terbium	110	70-130	07/12/2019 02:32

Analyst(s): JC, ND

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW3050B
Date Prepared:	7/5/19	**Analytical Method:**	SW6020
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/Kg

LUFT 5 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-8	1907265-003A	Soil	07/03/2019 09:10	ICP-MS2 042SMPL.D	181029

Analytes	Result	RL	DF	Date Analyzed
Cadmium	ND	0.25	1	07/12/2019 02:38
Chromium	**400**	0.50	1	07/12/2019 02:38
Lead	**4.0**	0.50	1	07/12/2019 02:38
Nickel	**680**	2.5	5	07/12/2019 12:50
Zinc	**42**	5.0	1	07/12/2019 02:38

Surrogates	REC (%)	Limits	
Terbium	108	70-130	07/12/2019 02:38

Analyst(s): JC, ND

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-17.25	1907265-004A	Soil	07/03/2019 10:00	ICP-MS2 043SMPL.D	181029

Analytes	Result	RL	DF	Date Analyzed
Cadmium	ND	0.25	1	07/12/2019 02:44
Chromium	**170**	0.50	1	07/12/2019 02:44
Lead	**2.4**	0.50	1	07/12/2019 02:44
Nickel	**220**	0.50	1	07/12/2019 02:44
Zinc	**50**	5.0	1	07/12/2019 02:44

Surrogates	REC (%)	Limits	
Terbium	97	70-130	07/12/2019 02:44

Analyst(s): ND

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW3050B
Date Prepared:	7/5/19	**Analytical Method:**	SW6020
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/Kg

LUFT 5 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-5	1907265-006A	Soil	07/03/2019 12:10	ICP-MS2 047SMPL.D	181029

Analytes	Result	RL	DF	Date Analyzed
Cadmium	ND	0.25	1	07/12/2019 03:08
Chromium	**380**	0.50	1	07/12/2019 03:08
Lead	**1.1**	0.50	1	07/12/2019 03:08
Nickel	**980**	2.5	5	07/12/2019 12:56
Zinc	**36**	5.0	1	07/12/2019 03:08

Surrogates	REC (%)	Limits	
Terbium	103	70-130	07/12/2019 03:08

Analyst(s): JC, ND

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-18	1907265-007A	Soil	07/03/2019 12:30	ICP-MS2 048SMPL.D	181029

Analytes	Result	RL	DF	Date Analyzed
Cadmium	ND	0.25	1	07/12/2019 03:14
Chromium	**640**	2.5	5	07/12/2019 13:02
Lead	**1.0**	0.50	1	07/12/2019 03:14
Nickel	**1300**	2.5	5	07/12/2019 13:02
Zinc	**33**	5.0	1	07/12/2019 03:14

Surrogates	REC (%)	Limits	
Terbium	109	70-130	07/12/2019 03:14

Analyst(s): JC, ND

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW3550B
Date Prepared:	7/5/19	**Analytical Method:**	SW8015B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-1	**1907265-001A**	**Soil**	**07/03/2019 13:10**	**GC11A 07111980.D**	**181034**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.2**	1.0	1	07/12/2019 09:39
TPH-Motor Oil (C18-C36)	**12**	5.0	1	07/12/2019 09:39

Surrogates	REC (%)	Limits	
C9	99	74-123	07/12/2019 09:39

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-5	**1907265-002A**	**Soil**	**07/03/2019 13:25**	**GC11A 07111946.D**	**181034**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	07/11/2019 22:46
TPH-Motor Oil (C18-C36)	ND	5.0	1	07/11/2019 22:46

Surrogates	REC (%)	Limits	
C9	100	74-123	07/11/2019 22:46

Analyst(s): JIS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-8	**1907265-003A**	**Soil**	**07/03/2019 09:10**	**GC11A 07111948.D**	**181034**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	07/11/2019 23:24
TPH-Motor Oil (C18-C36)	ND	5.0	1	07/11/2019 23:24

Surrogates	REC (%)	Limits	
C9	103	74-123	07/11/2019 23:24

Analyst(s): JIS

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW3550B
Date Prepared:	7/5/19	**Analytical Method:**	SW8015B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-17.25	1907265-004A	Soil	07/03/2019 10:00	GC11A 07111950.D	181034

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	07/12/2019 00:02
TPH-Motor Oil (C18-C36)	ND	5.0	1	07/12/2019 00:02

Surrogates	REC (%)	Limits	
C9	100	74-123	07/12/2019 00:02

Analyst(s): JIS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-5	1907265-006A	Soil	07/03/2019 12:10	GC11A 07111968.D	181034

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.6**	1.0	1	07/12/2019 05:47
TPH-Motor Oil (C18-C36)	**24**	5.0	1	07/12/2019 05:47

Surrogates	REC (%)	Limits	
C9	101	74-123	07/12/2019 05:47

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-18	1907265-007A	Soil	07/03/2019 12:30	GC11A 07111952.D	181034

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	07/12/2019 00:40
TPH-Motor Oil (C18-C36)	ND	5.0	1	07/12/2019 00:40

Surrogates	REC (%)	Limits	
C9	100	74-123	07/12/2019 00:40

Analyst(s): JIS

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Received:	7/5/19 14:00	**Extraction Method:**	SW3510C
Date Prepared:	7/5/19	**Analytical Method:**	SW8015B
Project:	403539001; Comstock Commons; Novato, CA	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-GW	**1907265-005A**	**Water**	**07/03/2019 09:55**	**GC11A 07111986.D**	**180999**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2500**	50	1	07/12/2019 11:36
TPH-Motor Oil (C18-C36)	**1000**	250	1	07/12/2019 11:36

Surrogates	REC (%)	Limits	
C9	109	61-139	07/12/2019 11:36

Analyst(s): JIS Analytical Comments: e2,e8/e4,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-GW	**1907265-008A**	**Water**	**07/03/2019 11:00**	**GC11A 07111936.D**	**180999**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**570**	50	1	07/11/2019 19:34
TPH-Motor Oil (C18-C36)	**2400**	250	1	07/11/2019 19:34

Surrogates	REC (%)	Limits	
C9	93	61-139	07/11/2019 19:34

Analyst(s): JIS Analytical Comments: e7,e2,e8

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181079
Date Analyzed:	7/9/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181079 1907265-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.039	0.10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0010	0.0050	-	-	-
Benzene	ND	0.0016	0.0050	-	-	-
Bromobenzene	ND	0.0030	0.0050	-	-	-
Bromochloromethane	ND	0.0015	0.0050	-	-	-
Bromodichloromethane	ND	0.0012	0.0050	-	-	-
Bromoform	ND	0.0012	0.0050	-	-	-
Bromomethane	ND	0.0020	0.0050	-	-	-
2-Butanone (MEK)	ND	0.021	0.050	-	-	-
t-Butyl alcohol (TBA)	ND	0.0053	0.050	-	-	-
n-Butyl benzene	ND	0.0035	0.0050	-	-	-
sec-Butyl benzene	ND	0.0034	0.0050	-	-	-
tert-Butyl benzene	ND	0.0029	0.0050	-	-	-
Carbon Disulfide	ND	0.0036	0.0050	-	-	-
Carbon Tetrachloride	ND	0.0017	0.0050	-	-	-
Chlorobenzene	ND	0.0018	0.0050	-	-	-
Chloroethane	ND	0.0016	0.0050	-	-	-
Chloroform	ND	0.0016	0.0050	-	-	-
Chloromethane	ND	0.0017	0.0050	-	-	-
2-Chlorotoluene	ND	0.0022	0.0050	-	-	-
4-Chlorotoluene	ND	0.0024	0.0050	-	-	-
Dibromochloromethane	ND	0.0011	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0037	0.0050	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0013	0.0040	-	-	-
Dibromomethane	ND	0.0014	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0032	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.0011	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0017	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0014	0.0040	-	-	-
1,1-Dichloroethene	ND	0.0017	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0015	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0016	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0014	0.0050	-	-	-
1,3-Dichloropropane	ND	0.0016	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0013	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181079
Date Analyzed:	7/9/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181079 1907265-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0015	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.0014	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0014	0.0050	-	-	-
Ethylbenzene	ND	0.0025	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0013	0.0050	-	-	-
Freon 113	ND	0.0016	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0050	0.0050	-	-	-
Hexachloroethane	ND	0.0025	0.0050	-	-	-
2-Hexanone	ND	0.0022	0.0050	-	-	-
Isopropylbenzene	ND	0.0032	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0032	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0013	0.0050	-	-	-
Methylene chloride	ND	0.010	0.020	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.00080	0.0050	-	-	-
Naphthalene	ND	0.0044	0.0050	-	-	-
n-Propyl benzene	ND	0.0029	0.0050	-	-	-
Styrene	ND	0.0030	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0016	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0013	0.0050	-	-	-
Tetrachloroethene	ND	0.0023	0.0050	-	-	-
Toluene	ND	0.0024	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0030	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0029	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0018	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0019	0.0050	-	-	-
Trichloroethene	ND	0.0017	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0016	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.0019	0.0050	-	-	-
1,2,4-Trimethylbenzene	ND	0.0028	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0026	0.0050	-	-	-
Vinyl Chloride	ND	0.0015	0.0050	-	-	-
m,p-Xylene	ND	0.0040	0.0050	-	-	-
o-Xylene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181079
Date Analyzed:	7/9/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181079 1907265-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.11			0.12	87	66-112
Toluene-d8	0.12			0.12	93	92-109
4-BFB	0.012			0.012	94	72-112
Benzene-d6	0.098			0.10	98	81-126
Ethylbenzene-d10	0.11			0.10	114	92-138
1,2-DCB-d4	0.084			0.10	84	68-108

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181079
Date Analyzed:	7/9/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181079 1907265-001AMS/MSD

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.21	0.19	0.20	105	94	59-127	10.8	20
tert-Amyl methyl ether (TAME)	0.017	0.016	0.020	86	78	54-98	9.83	20
Benzene	0.021	0.020	0.020	104	98	71-115	5.69	20
Bromobenzene	0.021	0.019	0.020	107	95	69-120	12.7	20
Bromochloromethane	0.019	0.018	0.020	97	90	63-117	7.21	20
Bromodichloromethane	0.019	0.017	0.020	94	87	61-109	8.30	20
Bromoform	0.013	0.011	0.020	63	56	46-87	12.6	20
Bromomethane	0.019	0.017	0.020	96	87	22-195	10.3	20
2-Butanone (MEK)	0.069	0.063	0.080	86	78	53-124	8.84	20
t-Butyl alcohol (TBA)	0.067	0.060	0.080	84	76	29-142	10.8	20
n-Butyl benzene	0.033	0.029	0.020	164	147	102-169	10.8	20
sec-Butyl benzene	0.031	0.028	0.020	153	141	100-166	8.43	20
tert-Butyl benzene	0.026	0.025	0.020	129	125	91-153	3.35	20
Carbon Disulfide	0.021	0.020	0.020	105	100	60-125	5.18	20
Carbon Tetrachloride	0.020	0.019	0.020	99	93	69-124	6.17	20
Chlorobenzene	0.021	0.019	0.020	103	96	73-116	6.98	20
Chloroethane	0.018	0.017	0.020	90	83	47-140	8.40	20
Chloroform	0.021	0.020	0.020	106	99	69-118	6.64	20
Chloromethane	0.016	0.015	0.020	81	74	30-132	9.60	20
2-Chlorotoluene	0.025	0.023	0.020	127	115	75-147	10.5	20
4-Chlorotoluene	0.024	0.022	0.020	121	112	75-137	8.03	20
Dibromochloromethane	0.017	0.016	0.020	85	78	57-105	9.00	20
1,2-Dibromo-3-chloropropane	0.0075	0.0064	0.010	75	64	36-103	16.3	20
1,2-Dibromoethane (EDB)	0.0095	0.0088	0.010	95	88	66-101	8.00	20
Dibromomethane	0.019	0.017	0.020	93	87	61-103	6.32	20
1,2-Dichlorobenzene	0.017	0.016	0.020	87	79	59-104	9.62	20
1,3-Dichlorobenzene	0.021	0.019	0.020	104	95	70-133	9.33	20
1,4-Dichlorobenzene	0.020	0.018	0.020	102	92	68-123	9.91	20
Dichlorodifluoromethane	0.0090	0.0082	0.020	45	41	13-107	9.45	20
1,1-Dichloroethane	0.022	0.020	0.020	108	100	69-118	7.44	20
1,2-Dichloroethane (1,2-DCA)	0.019	0.018	0.020	96	89	59-112	7.40	20
1,1-Dichloroethene	0.022	0.021	0.020	109	103	69-126	5.82	20
cis-1,2-Dichloroethene	0.021	0.020	0.020	107	100	69-116	6.16	20
trans-1,2-Dichloroethene	0.022	0.021	0.020	111	103	73-116	6.63	20
1,2-Dichloropropane	0.020	0.019	0.020	102	95	65-111	7.35	20
1,3-Dichloropropane	0.021	0.019	0.020	104	94	67-110	9.82	20
2,2-Dichloropropane	0.022	0.020	0.020	108	101	65-125	6.58	20
1,1-Dichloropropene	0.022	0.021	0.020	109	103	70-123	5.80	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181079
Date Analyzed:	7/9/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181079 1907265-001AMS/MSD

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.022	0.020	0.020	109	101	68-126	7.73	20
trans-1,3-Dichloropropene	0.020	0.019	0.020	102	93	69-117	9.26	20
Diisopropyl ether (DIPE)	0.019	0.018	0.020	95	88	57-110	7.22	20
Ethylbenzene	0.022	0.021	0.020	112	107	80-128	4.03	20
Ethyl tert-butyl ether (ETBE)	0.018	0.017	0.020	91	84	54-106	7.62	20
Freon 113	0.020	0.019	0.020	100	95	60-108	4.77	20
Hexachlorobutadiene	0.028	0.024	0.020	138	122	67-182	12.4	20
Hexachloroethane	0.026	0.022	0.020	128	109	85-156	15.8	20
2-Hexanone	0.015	0.014	0.020	75	68	37-90	10.6	20
Isopropylbenzene	0.029	0.026	0.020	143	129	64-167	10.7	20
4-Isopropyl toluene	0.028	0.025	0.020	139	127	88-167	9.02	20
Methyl-t-butyl ether (MTBE)	0.019	0.017	0.020	94	86	60-102	9.12	20
Methylene chloride	0.021	0.019	0.020	103	96	71-117	7.46	20
4-Methyl-2-pentanone (MIBK)	0.016	0.014	0.020	79	71	48-90	10.5	20
Naphthalene	0.011	0.0081	0.020	57	40	29-65	34.2,F2	20
n-Propyl benzene	0.028	0.025	0.020	139	125	88-161	10.4	20
Styrene	0.016	0.017	0.020	82	83	70-108	1.31	20
1,1,1,2-Tetrachloroethane	0.019	0.018	0.020	97	89	69-117	8.20	20
1,1,2,2-Tetrachloroethane	0.020	0.016	0.020	98, F2	80	53-96	20.7,F2	20
Tetrachloroethene	0.023	0.022	0.020	116	108	78-128	7.45	20
Toluene	0.022	0.021	0.020	112	104	78-121	7.50	20
1,2,3-Trichlorobenzene	0.014	0.011	0.020	70	55	35-80	23.2,F2	20
1,2,4-Trichlorobenzene	0.018	0.014	0.020	90	71	46-101	23.5,F2	20
1,1,1-Trichloroethane	0.020	0.019	0.020	102	96	69-121	6.83	20
1,1,2-Trichloroethane	0.020	0.019	0.020	101	93	64-104	8.72	20
Trichloroethene	0.020	0.019	0.020	101	95	73-118	6.52	20
Trichlorofluoromethane	0.019	0.018	0.020	97	92	31-119	4.93	20
1,2,3-Trichloropropane	0.012	0.0095	0.010	118, F2	95	65-107	21.6,F2	20
1,2,4-Trimethylbenzene	0.026	0.023	0.020	131	114	80-147	14.3	20
1,3,5-Trimethylbenzene	0.028	0.025	0.020	141	123	83-156	14.0	20
Vinyl Chloride	0.0083	0.0077	0.010	83	77	40-125	7.45	20
m,p-Xylene	0.040	0.040	0.040	99	99	80-122	0	20
o-Xylene	0.019	0.019	0.020	95	96	79-116	1.72	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181079
Date Analyzed:	7/9/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181079 1907265-001AMS/MSD

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.11	0.11	0.12	87	89	66-112	1.99	20
Toluene-d8	0.12	0.12	0.12	93	93	92-109	0	20
4-BFB	0.012	0.012	0.012	100	97	72-112	2.95	20
Benzene-d6	0.10	0.097	0.10	100	97	81-126	2.94	20
Ethylbenzene-d10	0.12	0.12	0.10	122	117	92-138	3.55	20
1,2-DCB-d4	0.090	0.084	0.10	90	84	68-108	6.70	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acetone	1	0.16	0.16	0.20	ND	81	81	48-114	0	20
tert-Amyl methyl ether (TAME)	1	0.012	0.012	0.020	ND	58	59	44-94	1.56	20
Benzene	1	0.017	0.017	0.020	ND	83	84	50-115	1.91	20
Bromobenzene	1	0.015	0.016	0.020	ND	77	79	60-114	2.44	20
Bromochloromethane	1	0.015	0.015	0.020	ND	74	74	50-113	0	20
Bromodichloromethane	1	0.012	0.012	0.020	ND	60	61	46-109	1.64	20
Bromoform	1	0.0091	0.0092	0.020	ND	46	46	38-83	0	20
Bromomethane	1	0.023	0.023	0.020	ND	116	114	10-149	1.28	20
2-Butanone (MEK)	1	0.041	0.041	0.080	ND	51	51	46-111	0	20
t-Butyl alcohol (TBA)	1	0.042	0.043	0.080	ND	53	54	32-112	2.51	20
n-Butyl benzene	1	0.026	0.027	0.020	ND	130	133	71-156	2.19	20
sec-Butyl benzene	1	0.023	0.023	0.020	ND	115	114	28-190	0.402	20
tert-Butyl benzene	1	0.019	0.019	0.020	ND	96	95	69-145	0.908	20
Carbon Disulfide	1	0.017	0.018	0.020	ND	87	88	19-135	1.44	20
Carbon Tetrachloride	1	0.015	0.015	0.020	ND	74	77	51-120	2.68	20
Chlorobenzene	1	0.015	0.016	0.020	ND	77	79	63-108	2.00	20
Chloroethane	1	0.023	0.022	0.020	ND	113	108	40-122	4.02	20
Chloroform	1	0.015	0.015	0.020	ND	73	75	55-114	1.91	20
Chloromethane	1	0.027	0.026	0.020	ND	133,F1	130,F1	14-128	1.70	20
2-Chlorotoluene	1	0.018	0.019	0.020	ND	92	94	45-153	1.28	20
4-Chlorotoluene	1	0.018	0.018	0.020	ND	89	92	65-126	3.56	20
Dibromochloromethane	1	0.011	0.011	0.020	ND	56	57	48-97	2.16	20
1,2-Dibromo-3-chloropropane	1	0.0056	0.0057	0.010	ND	56	57	32-95	2.22	20
1,2-Dibromoethane (EDB)	1	0.0068	0.0069	0.010	ND	68	69	52-99	2.30	20
Dibromomethane	1	0.013	0.013	0.020	ND	65	66	50-100	1.85	20
1,2-Dichlorobenzene	1	0.015	0.015	0.020	ND	73	75	38-116	2.45	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181079
Date Analyzed:	7/9/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181079 1907265-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
1,3-Dichlorobenzene	1	0.018	0.018	0.020	ND	89	90	58-127	1.68	20
1,4-Dichlorobenzene	1	0.017	0.017	0.020	ND	84	84	54-123	0	20
Dichlorodifluoromethane	1	0.015	0.015	0.020	ND	76	75	8-93	1.13	20
1,1-Dichloroethane	1	0.016	0.016	0.020	ND	80	81	53-115	1.57	20
1,2-Dichloroethane (1,2-DCA)	1	0.012	0.012	0.020	ND	61	62	48-105	1.32	20
1,1-Dichloroethene	1	0.017	0.018	0.020	ND	86	88	47-127	2.29	20
cis-1,2-Dichloroethene	1	0.016	0.016	0.020	ND	79	81	56-111	1.81	20
trans-1,2-Dichloroethene	1	0.017	0.017	0.020	ND	83	84	51-115	1.25	20
1,2-Dichloropropane	1	0.015	0.015	0.020	ND	74	76	51-111	1.99	20
1,3-Dichloropropane	1	0.014	0.014	0.020	ND	70	71	51-109	1.80	20
2,2-Dichloropropane	1	0.016	0.017	0.020	ND	81	84	50-116	3.30	20
1,1-Dichloropropene	1	0.016	0.017	0.020	ND	81	83	46-124	2.19	20
cis-1,3-Dichloropropene	1	0.015	0.015	0.020	ND	73	75	41-127	2.72	20
trans-1,3-Dichloropropene	1	0.014	0.014	0.020	ND	69	70	50-111	1.98	20
Diisopropyl ether (DIPE)	1	0.014	0.014	0.020	ND	70	72	50-103	2.43	20
Ethylbenzene	1	0.017	0.017	0.020	ND	83	84	65-119	1.79	20
Ethyl tert-butyl ether (ETBE)	1	0.013	0.013	0.020	ND	64	66	47-100	2.15	20
Freon 113	1	0.015	0.015	0.020	ND	74	76	48-98	2.99	20
Hexachlorobutadiene	1	0.019	0.020	0.020	ND	94	102	36-166	8.22	20
Hexachloroethane	1	0.016	0.017	0.020	ND	80	85	61-146	5.28	20
2-Hexanone	1	0.0098	0.010	0.020	ND	49	50	31-87	1.49	20
Isopropylbenzene	1	0.021	0.021	0.020	ND	105	107	24-171	2.35	20
4-Isopropyl toluene	1	0.023	0.023	0.020	ND	113	115	69-150	1.46	20
Methyl-t-butyl ether (MTBE)	1	0.013	0.013	0.020	ND	63	63	50-95	0	20
Methylene chloride	1	0.014	0.014	0.020	ND	69	71	39-123	2.51	20
4-Methyl-2-pentanone (MIBK)	1	0.010	0.010	0.020	ND	50	52	41-83	3.03	20
Naphthalene	1	0.0087	0.0091	0.020	ND	44	46	13-77	4.44	20
n-Propyl benzene	1	0.020	0.021	0.020	ND	100	104	26-184	3.47	20
Styrene	1	0.014	0.014	0.020	ND	69	68	54-105	0.854	20
1,1,1,2-Tetrachloroethane	1	0.013	0.014	0.020	ND	66	68	60-108	3.03	20
1,1,2,2-Tetrachloroethane	1	0.013	0.014	0.020	ND	65	68	37-108	5.07	20
Tetrachloroethene	1	0.016	0.017	0.020	ND	81	85	54-127	4.54	20
Toluene	1	0.017	0.017	0.020	ND	84	86	63-114	2.47	20
1,2,3-Trichlorobenzene	1	0.0092	0.010	0.020	ND	46	50	14-97	8.00	20
1,2,4-Trichlorobenzene	1	0.012	0.013	0.020	ND	62	63	31-106	0.866	20
1,1,1-Trichloroethane	1	0.015	0.015	0.020	ND	74	77	55-114	2.90	20
1,1,2-Trichloroethane	1	0.014	0.014	0.020	ND	69	70	50-104	1.73	20
Trichloroethene	1	0.016	0.017	0.020	ND	81	83	47-127	2.40	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181079
Date Analyzed:	7/9/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181079 1907265-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Trichlorofluoromethane	1	0.016	0.016	0.020	ND	79	81	9-119	2.46	20
1,2,3-Trichloropropane	1	0.0078	0.0081	0.010	ND	78	81	45-115	4.50	20
1,2,4-Trimethylbenzene	1	0.020	0.021	0.020	ND	101	105	69-133	3.54	20
1,3,5-Trimethylbenzene	1	0.021	0.022	0.020	ND	103	110	27-172	6.12	20
Vinyl Chloride	1	0.011	0.011	0.010	ND	110	110	33-114	0	20
m,p-Xylene	1	0.032	0.032	0.040	ND	80	79	62-117	2.07	20
o-Xylene	1	0.014	0.014	0.020	ND	70	70	19-144	0	20
Surrogate Recovery										
Dibromofluoromethane	1	0.11	0.11	0.12		91	90	66-116	0.863	20
Toluene-d8	1	0.14	0.14	0.12		114,F3	114,F3	86-110	0	20
4-BFB	1	0.011	0.011	0.012		85	86	71-114	1.04	20
Benzene-d6	1	0.10	0.10	0.10		101	102	62-122	1.62	20
Ethylbenzene-d10	1	0.13	0.13	0.10		132,F3	133,F3	69-130	0.493	20
1,2-DCB-d4	1	0.081	0.081	0.10		81	81	55-108	0	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181097
Date Analyzed:	7/8/19	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181097

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	5.9	10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.22	0.50	-	-	-
Benzene	ND	0.051	0.50	-	-	-
Bromobenzene	ND	0.060	0.50	-	-	-
Bromochloromethane	ND	0.090	0.50	-	-	-
Bromodichloromethane	ND	0.20	0.50	-	-	-
Bromoform	ND	0.066	0.50	-	-	-
Bromomethane	ND	0.16	0.50	-	-	-
2-Butanone (MEK)	ND	2.0	5.0	-	-	-
t-Butyl alcohol (TBA)	ND	1.7	5.0	-	-	-
n-Butyl benzene	ND	0.084	0.50	-	-	-
sec-Butyl benzene	ND	0.060	0.50	-	-	-
tert-Butyl benzene	ND	0.050	0.50	-	-	-
Carbon Disulfide	ND	0.28	0.50	-	-	-
Carbon Tetrachloride	ND	0.069	0.50	-	-	-
Chlorobenzene	ND	0.050	0.50	-	-	-
Chloroethane	ND	0.31	0.50	-	-	-
Chloroform	ND	0.064	0.50	-	-	-
Chloromethane	ND	0.13	0.50	-	-	-
2-Chlorotoluene	ND	0.070	0.50	-	-	-
4-Chlorotoluene	ND	0.070	0.50	-	-	-
Dibromochloromethane	ND	0.080	0.50	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.12	0.20	-	-	-
1,2-Dibromoethane (EDB)	ND	0.12	0.50	-	-	-
Dibromomethane	ND	0.080	0.50	-	-	-
1,2-Dichlorobenzene	ND	0.080	0.50	-	-	-
1,3-Dichlorobenzene	ND	0.071	0.50	-	-	-
1,4-Dichlorobenzene	ND	0.072	0.50	-	-	-
Dichlorodifluoromethane	ND	0.063	0.50	-	-	-
1,1-Dichloroethane	ND	0.060	0.50	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.090	0.50	-	-	-
1,1-Dichloroethene	ND	0.086	0.50	-	-	-
cis-1,2-Dichloroethene	ND	0.050	0.50	-	-	-
trans-1,2-Dichloroethene	ND	0.060	0.50	-	-	-
1,2-Dichloropropane	ND	0.055	0.50	-	-	-
1,3-Dichloropropane	ND	0.10	0.50	-	-	-
2,2-Dichloropropane	ND	0.10	0.50	-	-	-
1,1-Dichloropropene	ND	0.060	0.50	-	-	-

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181097
Date Analyzed:	7/8/19	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181097

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.090	0.50	-	-	-
trans-1,3-Dichloropropene	ND	0.070	0.50	-	-	-
Diisopropyl ether (DIPE)	ND	0.070	0.50	-	-	-
Ethylbenzene	ND	0.050	0.50	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.070	0.50	-	-	-
Freon 113	ND	0.066	0.50	-	-	-
Hexachlorobutadiene	ND	0.085	0.50	-	-	-
Hexachloroethane	ND	0.060	0.50	-	-	-
2-Hexanone	ND	0.41	1.0	-	-	-
Isopropylbenzene	ND	0.070	0.50	-	-	-
4-Isopropyl toluene	ND	0.050	0.50	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.10	0.50	-	-	-
Methylene chloride	ND	1.2	2.0	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.24	0.50	-	-	-
Naphthalene	ND	0.45	1.0	-	-	-
n-Propyl benzene	ND	0.060	0.50	-	-	-
Styrene	ND	0.59	2.0	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.070	0.50	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.11	0.50	-	-	-
Tetrachloroethene	ND	0.082	0.50	-	-	-
Toluene	ND	0.25	0.50	-	-	-
1,2,3-Trichlorobenzene	ND	0.25	0.50	-	-	-
1,2,4-Trichlorobenzene	ND	0.086	0.50	-	-	-
1,1,1-Trichloroethane	ND	0.050	0.50	-	-	-
1,1,2-Trichloroethane	ND	0.18	0.50	-	-	-
Trichloroethene	ND	0.060	0.50	-	-	-
Trichlorofluoromethane	ND	0.047	0.50	-	-	-
1,2,3-Trichloropropane	ND	0.14	0.50	-	-	-
1,2,4-Trimethylbenzene	ND	0.065	0.50	-	-	-
1,3,5-Trimethylbenzene	ND	0.070	0.50	-	-	-
Vinyl Chloride	ND	0.070	0.50	-	-	-
m,p-Xylene	ND	0.11	0.50	-	-	-
o-Xylene	ND	0.060	0.50	-	-	-

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181097
Date Analyzed:	7/8/19	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181097

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	23			25	92	82-142
Toluene-d8	26			25	104	85-137
4-BFB	1.8			2.5	73	66-144

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181097
Date Analyzed:	7/8/19	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181097

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	31	30	40	79	75	46-128	4.35	20
tert-Amyl methyl ether (TAME)	3.1	2.9	4	78	72	65-118	7.54	20
Benzene	3.7	3.5	4	93	87	71-120	6.92	20
Bromobenzene	3.5	3.2	4	87	79	67-121	9.68	20
Bromochloromethane	3.6	3.3	4	90	84	71-127	7.87	20
Bromodichloromethane	3.0	2.8	4	76	71	67-120	7.51	20
Bromoform	2.7	2.5	4	67	64	59-121	5.24	20
Bromomethane	4.4	4.1	4	111	102	44-175	8.53	20
2-Butanone (MEK)	12	11	16	76	72	50-121	6.17	20
t-Butyl alcohol (TBA)	12	10	16	72	65	47-123	9.70	20
n-Butyl benzene	4.1	3.7	4	103	94	71-128	9.58	20
sec-Butyl benzene	3.5	3.5	4	88	87	75-123	0.769	20
tert-Butyl benzene	3.0	3.0	4	75	75	70-121	0	20
Carbon Disulfide	3.6	3.4	4	91	84	75-121	7.43	20
Carbon Tetrachloride	3.3	3.1	4	83	76	73-117	7.67	20
Chlorobenzene	3.6	3.3	4	90	83	73-119	7.10	20
Chloroethane	4.5	4.1	4	114	103	60-144	9.70	20
Chloroform	3.4	3.1	4	84	78	72-120	7.68	20
Chloromethane	4.3	4.0	4	107	99	28-145	7.76	20
2-Chlorotoluene	3.6	3.2	4	89	81	76-121	9.73	20
4-Chlorotoluene	3.4	3.2	4	85	81	72-119	5.51	20
Dibromochloromethane	2.9	2.7	4	72	67	66-122	7.04	20
1,2-Dibromo-3-chloropropane	1.4	1.3	2	72	67	50-123	8.46	20
1,2-Dibromoethane (EDB)	1.6	1.5	2	81	76	68-117	5.85	20
Dibromomethane	3.4	3.2	4	84	79	67-121	5.86	20
1,2-Dichlorobenzene	3.8	3.5	4	94	87	70-121	8.18	20
1,3-Dichlorobenzene	3.8	3.5	4	96	87	69-125	10.3	20
1,4-Dichlorobenzene	3.7	3.4	4	92	85	67-123	8.10	20
Dichlorodifluoromethane	2.9	2.7	4	73	66	19-147	9.02	20
1,1-Dichloroethane	3.5	3.3	4	88	82	72-121	7.52	20
1,2-Dichloroethane (1,2-DCA)	3.1	2.9	4	77	71	64-120	7.97	20
1,1-Dichloroethene	3.7	3.4	4	93	86	76-123	7.94	20
cis-1,2-Dichloroethene	3.6	3.3	4	90	83	71-124	8.38	20
trans-1,2-Dichloroethene	3.6	3.3	4	91	84	74-124	8.48	20
1,2-Dichloropropane	3.5	3.3	4	88	82	70-120	7.08	20
1,3-Dichloropropane	3.3	3.1	4	83	78	66-119	6.62	20
2,2-Dichloropropane	3.6	3.3	4	91	82	67-126	9.42	20
1,1-Dichloropropene	3.5	3.2	4	88	81	73-120	7.91	20

(Cont.)

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181097
Date Analyzed:	7/8/19	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181097

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.3	3.1	4	82	77	69-121	7.53	20
trans-1,3-Dichloropropene	3.2	3.0	4	81	75	70-121	7.15	20
Diisopropyl ether (DIPE)	3.3	3.1	4	84	77	68-123	7.86	20
Ethylbenzene	3.3	3.0	4	82	75	75-116	8.66	20
Ethyl tert-butyl ether (ETBE)	3.2	3.0	4	81	75	67-120	7.49	20
Freon 113	3.5	3.3	4	88	82	75-117	7.42	20
Hexachlorobutadiene	3.3	3.1	4	82	77	66-127	6.67	20
Hexachloroethane	2.9	2.7	4	72	67, F2	69-127	7.88	20
2-Hexanone	2.6	2.5	4	66	61	50-116	7.00	20
Isopropylbenzene	3.4	3.1	4	85	78	70-127	8.19	20
4-Isopropyl toluene	3.7	3.5	4	91	87	71-124	5.42	20
Methyl-t-butyl ether (MTBE)	3.2	3.0	4	80	74	64-121	8.04	20
Methylene chloride	3.0	2.7	4	74	67	66-115	10.4	20
4-Methyl-2-pentanone (MIBK)	2.7	2.6	4	68	65	50-119	4.72	20
Naphthalene	3.7	3.4	4	92	84	63-121	9.31	20
n-Propyl benzene	3.3	3.1	4	83	78	74-122	6.22	20
Styrene	3.1	2.9	4	77	73	69-118	4.52	20
1,1,1,2-Tetrachloroethane	3.0	2.8	4	75	70, F2	71-120	7.00	20
1,1,2,2-Tetrachloroethane	3.3	3.0	4	83	75	58-123	10.2	20
Tetrachloroethene	3.2	3.0	4	80	75	72-118	6.96	20
Toluene	3.4	3.2	4	85	79	73-111	7.83	20
1,2,3-Trichlorobenzene	3.5	3.2	4	88	81	63-125	8.05	20
1,2,4-Trichlorobenzene	3.6	3.2	4	89	80	66-128	10.9	20
1,1,1-Trichloroethane	3.3	3.1	4	83	77	72-118	7.45	20
1,1,2-Trichloroethane	3.3	3.1	4	83	77	66-118	7.17	20
Trichloroethene	3.5	3.3	4	88	82	71-121	7.22	20
Trichlorofluoromethane	3.4	3.1	4	84	78	59-125	7.56	20
1,2,3-Trichloropropane	1.8	1.6	2	90	80	62-120	11.5	20
1,2,4-Trimethylbenzene	3.8	3.4	4	95	85	73-120	11.2	20
1,3,5-Trimethylbenzene	3.7	3.4	4	93	85	67-123	9.36	20
Vinyl Chloride	2.1	1.9	2	105	97	60-138	7.91	20
m,p-Xylene	6.4	6.0	8	80	75	74-118	5.75	20
o-Xylene	3.0	2.9	4	76	72, F2	73-119	5.93	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181097
Date Analyzed:	7/8/19	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181097

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	24	24	25	94	94	82-142	0	20
Toluene-d8	25	25	25	101	102	85-137	0.487	20
4-BFB	2.0	1.9	2.5	79	77	66-144	3.48	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181079
Date Analyzed:	7/9/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181079

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	0.25	0.25	-	-	-
Surrogate Recovery						
Dibromofluoromethane	0.12			0.12	93	70-130
Benzene-D6	0.13			0.10	128	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(g) (C6-C12)	0.90	0.92	1	90	92	67-117	2.77	20
Surrogate Recovery								
Dibromofluoromethane	0.12	0.12	0.12	94	94	87-127	0	20
Benzene-D6	0.12	0.12	0.10	122	124	67-131	1.25	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/8/19	**BatchID:**	181097
Date Analyzed:	7/8/19	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181097

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	11	50	-	-	-
Surrogate Recovery						
Dibromofluoromethane	24			25	96	82-142

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(g) (C6-C12)	190	180	200	94	88	70-130	7.05	20
Surrogate Recovery								
Dibromofluoromethane	24	22	25	96	88	82-142	8.04	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/10/19 - 7/11/19	**BatchID:**	181236
Date Analyzed:	7/10/19 - 7/11/19	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181236

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	23	50	-	-	-
MTBE	ND	0.36	5.0	-	-	-
Benzene	ND	0.070	0.50	-	-	-
Toluene	ND	0.14	0.50	-	-	-
Ethylbenzene	ND	0.070	0.50	-	-	-
m,p-Xylene	0.12,J	0.10	1.0	-	-	-
o-Xylene	0.054,J	0.040	0.50	-	-	-
Surrogate Recovery						
aaa-TFT	8.8			10	88	74-117

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	59	58	60	98	96	78-116	2.24	20
MTBE	9.4	9.1	10	94	91	72-122	3.17	20
Benzene	9.6	9.0	10	96	90	81-123	5.99	20
Toluene	9.8	9.3	10	98	93	83-129	5.56	20
Ethylbenzene	9.8	9.3	10	98	93	88-126	4.63	20
m,p-Xylene	20	19	20	98	93	80-120	5.57	20
o-Xylene	9.6	9.1	10	96	91	80-120	5.48	20
Surrogate Recovery								
aaa-TFT	8.8	8.6	10	88	86	74-117	1.55	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/5/19	**BatchID:**	181029
Date Analyzed:	7/9/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1, ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181029 1907265-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Cadmium	ND	0.058	0.25	-	-	-
Chromium	ND	0.092	0.50	-	-	-
Lead	ND	0.094	0.50	-	-	-
Nickel	ND	0.072	0.50	-	-	-
Zinc	ND	1.4	5.0	-	-	-
Surrogate Recovery						
Terbium	600			500	121	70-130

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/5/19	**BatchID:**	181029
Date Analyzed:	7/9/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1, ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181029 1907265-001AMS/MSD

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Cadmium	53	50	50	106	101	75-125	4.67	20
Chromium	54	51	50	107	103	75-125	4.08	20
Lead	53	51	50	105	101	75-125	3.76	20
Nickel	54	52	50	107	104	75-125	3.24	20
Zinc	540	520	500	107	104	75-125	3.39	20
Surrogate Recovery								
Terbium	580	580	500	117	116	70-130	0.275	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Cadmium	1	50	50	50	ND	100	100	75-125	0	20
Chromium	1	360	390	50	360.3	4,F13	54,F13	75-125	6.59	20
Lead	1	54	55	50	4.029	99	101	75-125	1.74	20
Nickel	1	510	590	50	590	0,F13	0,F13	75-125	NA	20
Zinc	1	540	540	500	56.43	96	98	75-125	1.11	20
Surrogate Recovery										
Terbium	1	530	530	500		106	106	70-130	0	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Cadmium	ND<1.2	ND	-	-
Chromium	410	360.3	13.8	20
Lead	4.2	4.029	4.24	-
Nickel	600	586.5	2.30	20
Zinc	56	56.43	0.762	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/5/19	**BatchID:**	181034
Date Analyzed:	7/11/19	**Extraction Method:**	SW3550B
Instrument:	GC6B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-181034

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	21			25	84	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	41	41	40	103	103	75-128	0	30
Surrogate Recovery								
C9	20	19	25	78	77	72-122	0.946	30

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907265
Date Prepared:	7/5/19	**BatchID:**	180999
Date Analyzed:	7/8/19	**Extraction Method:**	SW3510C
Instrument:	GC9b	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	403539001; Comstock Commons; Novato, CA	**Sample ID:**	MB/LCS/LCSD-180999

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	35	50	-	-	-
TPH-Motor Oil (C18-C36)	ND	140	250	-	-	-
Surrogate Recovery						
C9	570			625	91	68-127

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1400	1500	1000	144, F6	146, F6	86-142	1.26	20
Surrogate Recovery								
C9	610	590	625	97	94	68-127	3.11	20

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1907265 **ClientCode: NMO** **QuoteID: 192744**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Aubrey Cool
Ninyo & Moore
2020 Challenger Drive, Suite 103
Alameda, CA 94501
(510) 343-3000 FAX: (510) 633-5646

Email: acool@ninyoandmoore.com
cc/3rd Party:
PO:
Project: 403539001; Comstock Commons; Novato, CA

Bill to:
Accounts Payable
Ninyo & Moore
2020 Challenger Drive, Suite 103
Alameda, CA 94501
nmaccountspayable@ninyoandmoore.c

Requested TAT: 5 days;

Date Received: **07/05/2019**
Date Logged: **07/05/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1907265-001	B1-1	Soil	7/3/2019 13:10	☐	A		A			A	A					
1907265-002	B1-5	Soil	7/3/2019 13:25	☐	A		A			A	A					
1907265-003	B2-8	Soil	7/3/2019 09:10	☐	A		A			A	A					
1907265-004	B2-17.25	Soil	7/3/2019 10:00	☐	A		A			A	A					
1907265-005	B2-GW	Water	7/3/2019 09:55	☐		B		B	A			A				
1907265-006	B3-5	Soil	7/3/2019 12:10	☐	A		A			A	A					
1907265-007	B3-18	Soil	7/3/2019 12:30	☐	A		A			A	A					
1907265-008	B3-GW	Water	7/3/2019 11:00	☐		B		B	A			A				

Test Legend:

1	8260B_S	2	8260B_W	3	8260GAS_S	4	8260GAS_W
5	G-MBTEX_W	6	LUFTMS_6020_TTLC_S	7	TPH(DMO)_S	8	TPH(DMO)_W
9		10		11		12	

Project Manager: Jennifer Lagerbom **Prepared by: Nancy Palacios**

The following SampIDs: 001A, 002A, 003A, 004A, 006A, 007A contain testgroup Gas8260_S.; The following SampIDs: 005B, 008B contain testgroup Gas8260_W.; The following SampIDs: 005A, 008A contain testgroup Multi Range_W.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: NINYO & MOORE
Client Contact: Aubrey Cool
Contact's Email: acool@ninyoandmoore.com

Project: 403539001; Comstock Commons; Novato, CA
Comments:

Work Order: 1907265
QC Level: LEVEL 2
Date Logged: 7/5/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ■ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ■ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1907265-001A	B1-1	Soil	SW8015B (Diesel & Motor Oil)	1	8OZ GJ, Unpres	☐	7/3/2019 13:10	5 days		☐	
			SW6020 (LUFT)			☐		5 days		☐	
			TPH(g) & 8260 by P&T GCMS			☐		5 days		☐	
1907265-002A	B1-5	Soil	SW8015B (Diesel & Motor Oil)	1	8OZ GJ, Unpres	☐	7/3/2019 13:25	5 days		☐	
			SW6020 (LUFT)			☐		5 days		☐	
			TPH(g) & 8260 by P&T GCMS			☐		5 days		☐	
1907265-003A	B2-8	Soil	SW8015B (Diesel & Motor Oil)	1	8OZ GJ, Unpres	☐	7/3/2019 9:10	5 days		☐	
			SW6020 (LUFT)			☐		5 days		☐	
			TPH(g) & 8260 by P&T GCMS			☐		5 days		☐	
1907265-004A	B2-17.25	Soil	SW8015B (Diesel & Motor Oil)	1	8OZ GJ, Unpres	☐	7/3/2019 10:00	5 days		☐	
			SW6020 (LUFT)			☐		5 days		☐	
			TPH(g) & 8260 by P&T GCMS			☐		5 days		☐	
1907265-005A	B2-GW	Water	Multi-Range TPH	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	7/3/2019 9:55	5 days	Present	☐	
1907265-005B	B2-GW	Water	TPH(g) & 8260 by P&T GCMS	2	VOA w/ HCl	☐	7/3/2019 9:55	5 days	Present	☐	
1907265-006A	B3-5	Soil	SW8015B (Diesel & Motor Oil)	1	8OZ GJ, Unpres	☐	7/3/2019 12:10	5 days		☐	
			SW6020 (LUFT)			☐		5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: NINYO & MOORE
Client Contact: Aubrey Cool
Contact's Email: acool@ninyoandmoore.com

Project: 403539001; Comstock Commons; Novato, CA
Comments:

Work Order: 1907265
QC Level: LEVEL 2
Date Logged: 7/5/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ■ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ■ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1907265-006A	B3-5	Soil	TPH(g) & 8260 by P&T GCMS	1	8OZ GJ, Unpres	☐	7/3/2019 12:10	5 days		☐	
1907265-007A	B3-18	Soil	SW8015B (Diesel & Motor Oil)	1	8OZ GJ, Unpres	☐	7/3/2019 12:30	5 days		☐	
			SW6020 (LUFT)			☐		5 days		☐	
			TPH(g) & 8260 by P&T GCMS			☐		5 days		☐	
1907265-008A	B3-GW	Water	Multi-Range TPH	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	7/3/2019 11:00	5 days	Present	☐	
1907265-008B	B3-GW	Water	TPH(g) & 8260 by P&T GCMS	2	VOA w/ HCl	☐	7/3/2019 11:00	5 days	Present	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

MAI Work Order # 1907265

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote # 192744
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order # 9480
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: Aubrey Cool | Bill To:
Company: Ninyo & Moore
Email: acool@ninyoandmoore.com
Alt Email: aturman@ninyoandmoore.com | Tele: 510.343.3000 x 15202
Project Name: Comstock Commons | Project #: 403539001
Project Location: Novato, CA | PO #
Sampler Signature:

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA ~~5312 / 624 / 8260~~ 5035 TPH & (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	VOCs j 8260
B1- 1	7.3.19	1310	3	S			●							●				●			
B1- 5	7.3.19	1325	1	S			●							●	ok			●			X
B2- 8	7.3.19	910	3	S			●							●				●			
B2- 17.25	7.3.19	1000	3	S			●							●				●			
B2-GW	7.3.19	955	6	GW			●							●							
B3- 5	7.3.19	1210	3	S			●							●				●			
B3- 10	7.3.19	1230	3	S			●							●				●			
B3-GW	7.3.19	1100	6	GW			●							●							
~~B4-GW~~	~~7.3.19~~		~~6~~	~~GW~~			●							●							

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
[signature] / N. Ninyo & Moore CAP	7.5.19	1000	CAP Nancy Palacios.	7/5/19	1000
CAP	7/5/19	1900		7.5.19	1400

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 0.5 °C Initials

* COULD NOT SET UP ENCORES... CALLED & EMAIL CLIENT TO SEE IF OK TO RUN PAST HOLDTIME. ~~NO REPLY~~ * PER CLIENTS EMAIL RUN GAS & 8260 ON JARS. WET MP 7.8.19

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Sample Receipt Checklist

Client Name:	**Ninyo & Moore**	Date and Time Received	**7/5/2019 14:00**
Project:	**403539001; Comstock Commons; Novato, CA**	Date Logged:	**7/5/2019**
		Received by:	Nancy Palacios
WorkOrder №:	**1907265** Matrix: Soil/Water	Logged by:	Nancy Palacios
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☐	No	☑	
COC agrees with Quote?	Yes	☐	No	☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☐	No	☑	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
(Ice Type: WET ICE)					
Sample/Temp Blank temperature	Temp: 0.5°C				NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA ☑

Comments: Method SW8260B (VOCs) (Encore) was received past its 2-day holding time. Method SW8260B (TPH(g) (Encore)) was received past its 2-day holding time.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1907471

Report Created for: Ninyo & Moore

2020 Challenger Drive, Suite 103
Alameda, CA 94501

Project Contact: Aubrey Cool
Project P.O.:
Project: 403539001; Comstock Commons

Project Received: 07/10/2019

Analytical Report reviewed & approved for release on 07/17/2019 by:

Jennifer Lagerbom
Project Manager

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Glossary of Terms & Qualifier Definitions

Client: Ninyo & Moore
Project: 403539001; Comstock Commons
WorkOrder: 1907471

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Ninyo & Moore
Project: 403539001; Comstock Commons
WorkOrder: 1907471

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.

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Case Narrative

Client: Ninyo & Moore
Project: 403539001; Comstock Commons

Work Order: 1907471
July 17, 2019

TO-15 ANALYSIS

All summa canisters are EVACUATED 5 days after the reporting of the results. Please call or email if a longer retention time is required.

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	ASTM D 1946-90
Date Prepared:	7/11/19	**Analytical Method:**	ASTM D 1946-90
Project:	403539001; Comstock Commons	**Unit:**	%

Atmospheric Gases

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-1	**1907471-001A**	**SoilGas**	**07/08/2019 08:28**	**GC26 0711190226.D**	**181337**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.32	**26.62**	**HK**

Analytes	Result	RL	DF	Date Analyzed
Oxygen	**7.9**	0.40	1	07/11/2019 19:16

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-4	**1907471-002A**	**SoilGas**	**07/08/2019 09:29**	**GC26 0711190228.D**	**181337**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.81	**25.59**	**HK**

Analytes	Result	RL	DF	Date Analyzed
Oxygen	**12**	0.40	1	07/11/2019 19:38

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-3	**1907471-003A**	**SoilGas**	**07/08/2019 08:59**	**GC26 0711190230.D**	**181337**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.12	**28.22**	**HK**

Analytes	Result	RL	DF	Date Analyzed
Oxygen	**15**	0.40	1	07/11/2019 19:59

(Cont.)

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	ASTM D 1946-90
Date Prepared:	7/11/19	**Analytical Method:**	ASTM D 1946-90
Project:	403539001; Comstock Commons	**Unit:**	%

Atmospheric Gases

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-5	**1907471-004A**	**SoilGas**	**07/08/2019 10:31**	**GC26 0711190232.D**	**181337**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.19	**24.40**	**HK**

Analytes	Result	RL	DF	Date Analyzed
Oxygen	**13**	0.40	1	07/11/2019 20:20

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	ASTM D 1946-90
Date Prepared:	7/11/19	**Analytical Method:**	ASTM D 1946-90
Project:	403539001; Comstock Commons	**Unit:**	%

Helium

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-1	**1907471-001A**	**SoilGas**	**07/08/2019 08:28**	**GC26 0711190118.D**	**181747**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.32	**26.62**	**HK**

Analytes	Result	RL	DF	Date Analyzed
Helium	**0.20**	0.050	1	07/11/2019 12:42

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-4	**1907471-002A**	**SoilGas**	**07/08/2019 09:29**	**GC26 0711190120.D**	**181747**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.81	**25.59**	**HK**

Analytes	Result	RL	DF	Date Analyzed
Helium	ND	0.050	1	07/11/2019 12:55

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-3	**1907471-003A**	**SoilGas**	**07/08/2019 08:59**	**GC26 0711190102.D**	**181747**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.12	**28.22**	**HK**

Analytes	Result	RL	DF	Date Analyzed
Helium	ND	0.050	1	07/11/2019 13:09

(Cont.)

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	ASTM D 1946-90
Date Prepared:	7/11/19	**Analytical Method:**	ASTM D 1946-90
Project:	403539001; Comstock Commons	**Unit:**	%

Helium

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-5	**1907471-004A**	**SoilGas**	**07/08/2019 10:31**	**GC26 0711190104.D**	**181747**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.19	**24.40**	**HK**

Analytes	Result	RL	DF	Date Analyzed
Helium	ND	0.050	1	07/11/2019 13:24

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	ASTM D 1946-90
Date Prepared:	7/12/19	**Analytical Method:**	ASTM D 1946-90
Project:	403539001; Comstock Commons	**Unit:**	%

Light Gases

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-1	**1907471-001A**	**SoilGas**	**07/08/2019 08:28**	**GC26 0712190607.D**	**181463**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.32	**26.62**	**HK**

Analytes	Result	RL	DF	Date Analyzed
Methane	ND	0.00020	1	07/12/2019 08:46

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-4	**1907471-002A**	**SoilGas**	**07/08/2019 09:29**	**GC26 0712190609.D**	**181463**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.81	**25.59**	**HK**

Analytes	Result	RL	DF	Date Analyzed
Methane	**0.00028**	0.00020	1	07/12/2019 09:07

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-3	**1907471-003A**	**SoilGas**	**07/08/2019 08:59**	**GC26 0712190611.D**	**181463**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.12	**28.22**	**HK**

Analytes	Result	RL	DF	Date Analyzed
Methane	ND	0.00020	1	07/12/2019 09:28

(Cont.)

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	ASTM D 1946-90
Date Prepared:	7/12/19	**Analytical Method:**	ASTM D 1946-90
Project:	403539001; Comstock Commons	**Unit:**	%

Light Gases

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-5	**1907471-004A**	**SoilGas**	**07/08/2019 10:31**	**GC26 0712190613.D**	**181463**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.19	**24.40**	**HK**

Analytes	Result	RL	DF	Date Analyzed
Methane	ND	0.00020	1	07/12/2019 09:49

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	TO15
Date Prepared:	7/12/19	**Analytical Method:**	TO15
Project:	403539001; Comstock Commons	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-1	1907471-001A	SoilGas	07/08/2019 08:28	GC29 07101948.D	181542

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.32	26.62	HK

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	07/12/2019 18:42
Acrolein	ND	5.8	1	07/12/2019 18:42
Acrylonitrile	ND	1.1	1	07/12/2019 18:42
tert-Amyl methyl ether (TAME)	ND	2.1	1	07/12/2019 18:42
Benzene	ND	1.6	1	07/12/2019 18:42
Benzyl chloride	ND	2.6	1	07/12/2019 18:42
Bromodichloromethane	ND	3.5	1	07/12/2019 18:42
Bromoform	ND	5.2	1	07/12/2019 18:42
Bromomethane	ND	2.0	1	07/12/2019 18:42
1,3-Butadiene	ND	1.1	1	07/12/2019 18:42
2-Butanone (MEK)	ND	75	1	07/12/2019 18:42
t-Butyl alcohol (TBA)	ND	31	1	07/12/2019 18:42
Carbon Disulfide	**3.5**	1.6	1	07/12/2019 18:42
Carbon Tetrachloride	ND	3.2	1	07/12/2019 18:42
Chlorobenzene	ND	2.4	1	07/12/2019 18:42
Chloroethane	ND	1.3	1	07/12/2019 18:42
Chloroform	**7.1**	2.4	1	07/12/2019 18:42
Chloromethane	ND	1.0	1	07/12/2019 18:42
Cyclohexane	ND	18	1	07/12/2019 18:42
Dibromochloromethane	ND	4.4	1	07/12/2019 18:42
1,2-Dibromo-3-chloropropane	ND	0.12	1	07/12/2019 18:42
1,2-Dibromoethane (EDB)	ND	3.9	1	07/12/2019 18:42
1,2-Dichlorobenzene	ND	3.0	1	07/12/2019 18:42
1,3-Dichlorobenzene	ND	3.0	1	07/12/2019 18:42
1,4-Dichlorobenzene	ND	3.0	1	07/12/2019 18:42
Dichlorodifluoromethane	ND	2.5	1	07/12/2019 18:42
1,1-Dichloroethane	ND	2.0	1	07/12/2019 18:42
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	07/12/2019 18:42
1,1-Dichloroethene	ND	2.0	1	07/12/2019 18:42
cis-1,2-Dichloroethene	ND	2.0	1	07/12/2019 18:42
trans-1,2-Dichloroethene	ND	2.0	1	07/12/2019 18:42
1,2-Dichloropropane	ND	2.4	1	07/12/2019 18:42
cis-1,3-Dichloropropene	ND	2.3	1	07/12/2019 18:42
trans-1,3-Dichloropropene	ND	2.3	1	07/12/2019 18:42

(Cont.)

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	TO15
Date Prepared:	7/12/19	**Analytical Method:**	TO15
Project:	403539001; Comstock Commons	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-1	**1907471-001A**	**SoilGas**	**07/08/2019 08:28**	**GC29 07101948.D**	**181542**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.32	**26.62**	**HK**

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	07/12/2019 18:42
Diisopropyl ether (DIPE)	ND	2.1	1	07/12/2019 18:42
1,4-Dioxane	ND	1.8	1	07/12/2019 18:42
Ethanol	ND	96	1	07/12/2019 18:42
Ethyl acetate	ND	1.8	1	07/12/2019 18:42
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	07/12/2019 18:42
Ethylbenzene	ND	2.2	1	07/12/2019 18:42
4-Ethyltoluene	ND	2.5	1	07/12/2019 18:42
Freon 113	ND	3.9	1	07/12/2019 18:42
Heptane	ND	21	1	07/12/2019 18:42
Hexachlorobutadiene	ND	5.4	1	07/12/2019 18:42
Hexane	ND	18	1	07/12/2019 18:42
2-Hexanone	ND	2.1	1	07/12/2019 18:42
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	07/12/2019 18:42
Methyl-t-butyl ether (MTBE)	ND	1.8	1	07/12/2019 18:42
Methylene chloride	ND	8.8	1	07/12/2019 18:42
Methyl methacrylate	ND	2.1	1	07/12/2019 18:42
Naphthalene	ND	5.3	1	07/12/2019 18:42
Styrene	ND	2.2	1	07/12/2019 18:42
1,1,1,2-Tetrachloroethane	ND	3.5	1	07/12/2019 18:42
1,1,2,2-Tetrachloroethane	ND	3.5	1	07/12/2019 18:42
Tetrachloroethene	ND	3.4	1	07/12/2019 18:42
Tetrahydrofuran	**3.4**	3.0	1	07/12/2019 18:42
Toluene	**21**	1.9	1	07/12/2019 18:42
1,2,4-Trichlorobenzene	ND	3.8	1	07/12/2019 18:42
1,1,1-Trichloroethane	ND	2.8	1	07/12/2019 18:42
1,1,2-Trichloroethane	ND	2.8	1	07/12/2019 18:42
Trichloroethene	ND	2.8	1	07/12/2019 18:42
Trichlorofluoromethane	ND	2.8	1	07/12/2019 18:42
1,2,4-Trimethylbenzene	**5.7**	2.5	1	07/12/2019 18:42
1,3,5-Trimethylbenzene	ND	2.5	1	07/12/2019 18:42
Vinyl Acetate	ND	18	1	07/12/2019 18:42
Vinyl Chloride	ND	1.3	1	07/12/2019 18:42
m,p-Xylene	**6.0**	4.4	1	07/12/2019 18:42

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	TO15
Date Prepared:	7/12/19	**Analytical Method:**	TO15
Project:	403539001; Comstock Commons	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-1	**1907471-001A**	**SoilGas**	**07/08/2019 08:28**	**GC29 07101948.D**	**181542**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.32	**26.62**	**HK**

Analytes	Result	RL	DF	Date Analyzed
o-Xylene	**2.4**	2.2	1	07/12/2019 18:42
Xylenes, Total	**8.4**	2.2	1	07/12/2019 18:42
1,3-Dichloropropene, Total	ND	2.3	1	07/12/2019 18:42

Surrogates	REC (%)	Limits	
1,2-DCA-d4	95	70-130	07/12/2019 18:42
Toluene-d8	102	70-130	07/12/2019 18:42
4-BFB	96	70-130	07/12/2019 18:42

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	TO15
Date Prepared:	7/12/19	**Analytical Method:**	TO15
Project:	403539001; Comstock Commons	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-4	**1907471-002A**	**SoilGas**	**07/08/2019 09:29**	**GC29 07101949.D**	**181542**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.81	**25.59**	**HK**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	07/12/2019 19:27
Acrolein	ND	5.8	1	07/12/2019 19:27
Acrylonitrile	ND	1.1	1	07/12/2019 19:27
tert-Amyl methyl ether (TAME)	ND	2.1	1	07/12/2019 19:27
Benzene	ND	1.6	1	07/12/2019 19:27
Benzyl chloride	ND	2.6	1	07/12/2019 19:27
Bromodichloromethane	ND	3.5	1	07/12/2019 19:27
Bromoform	ND	5.2	1	07/12/2019 19:27
Bromomethane	ND	2.0	1	07/12/2019 19:27
1,3-Butadiene	ND	1.1	1	07/12/2019 19:27
2-Butanone (MEK)	ND	75	1	07/12/2019 19:27
t-Butyl alcohol (TBA)	ND	31	1	07/12/2019 19:27
Carbon Disulfide	**5.9**	1.6	1	07/12/2019 19:27
Carbon Tetrachloride	ND	3.2	1	07/12/2019 19:27
Chlorobenzene	ND	2.4	1	07/12/2019 19:27
Chloroethane	ND	1.3	1	07/12/2019 19:27
Chloroform	**64**	2.4	1	07/12/2019 19:27
Chloromethane	ND	1.0	1	07/12/2019 19:27
Cyclohexane	ND	18	1	07/12/2019 19:27
Dibromochloromethane	ND	4.4	1	07/12/2019 19:27
1,2-Dibromo-3-chloropropane	ND	0.12	1	07/12/2019 19:27
1,2-Dibromoethane (EDB)	ND	3.9	1	07/12/2019 19:27
1,2-Dichlorobenzene	ND	3.0	1	07/12/2019 19:27
1,3-Dichlorobenzene	ND	3.0	1	07/12/2019 19:27
1,4-Dichlorobenzene	ND	3.0	1	07/12/2019 19:27
Dichlorodifluoromethane	ND	2.5	1	07/12/2019 19:27
1,1-Dichloroethane	ND	2.0	1	07/12/2019 19:27
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	07/12/2019 19:27
1,1-Dichloroethene	ND	2.0	1	07/12/2019 19:27
cis-1,2-Dichloroethene	ND	2.0	1	07/12/2019 19:27
trans-1,2-Dichloroethene	ND	2.0	1	07/12/2019 19:27
1,2-Dichloropropane	ND	2.4	1	07/12/2019 19:27
cis-1,3-Dichloropropene	ND	2.3	1	07/12/2019 19:27
trans-1,3-Dichloropropene	ND	2.3	1	07/12/2019 19:27

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	TO15
Date Prepared:	7/12/19	**Analytical Method:**	TO15
Project:	403539001; Comstock Commons	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-4	**1907471-002A**	**SoilGas**	**07/08/2019 09:29**	**GC29 07101949.D**	**181542**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.81	**25.59**	**HK**

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	07/12/2019 19:27
Diisopropyl ether (DIPE)	ND	2.1	1	07/12/2019 19:27
1,4-Dioxane	ND	1.8	1	07/12/2019 19:27
Ethanol	ND	96	1	07/12/2019 19:27
Ethyl acetate	ND	1.8	1	07/12/2019 19:27
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	07/12/2019 19:27
Ethylbenzene	**3.7**	2.2	1	07/12/2019 19:27
4-Ethyltoluene	**4.6**	2.5	1	07/12/2019 19:27
Freon 113	ND	3.9	1	07/12/2019 19:27
Heptane	ND	21	1	07/12/2019 19:27
Hexachlorobutadiene	ND	5.4	1	07/12/2019 19:27
Hexane	ND	18	1	07/12/2019 19:27
2-Hexanone	ND	2.1	1	07/12/2019 19:27
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	07/12/2019 19:27
Methyl-t-butyl ether (MTBE)	ND	1.8	1	07/12/2019 19:27
Methylene chloride	ND	8.8	1	07/12/2019 19:27
Methyl methacrylate	ND	2.1	1	07/12/2019 19:27
Naphthalene	ND	5.3	1	07/12/2019 19:27
Styrene	ND	2.2	1	07/12/2019 19:27
1,1,1,2-Tetrachloroethane	ND	3.5	1	07/12/2019 19:27
1,1,2,2-Tetrachloroethane	ND	3.5	1	07/12/2019 19:27
Tetrachloroethene	**6.1**	3.4	1	07/12/2019 19:27
Tetrahydrofuran	ND	3.0	1	07/12/2019 19:27
Toluene	**17**	1.9	1	07/12/2019 19:27
1,2,4-Trichlorobenzene	ND	3.8	1	07/12/2019 19:27
1,1,1-Trichloroethane	ND	2.8	1	07/12/2019 19:27
1,1,2-Trichloroethane	ND	2.8	1	07/12/2019 19:27
Trichloroethene	ND	2.8	1	07/12/2019 19:27
Trichlorofluoromethane	ND	2.8	1	07/12/2019 19:27
1,2,4-Trimethylbenzene	**19**	2.5	1	07/12/2019 19:27
1,3,5-Trimethylbenzene	ND	2.5	1	07/12/2019 19:27
Vinyl Acetate	ND	18	1	07/12/2019 19:27
Vinyl Chloride	ND	1.3	1	07/12/2019 19:27
m,p-Xylene	**21**	4.4	1	07/12/2019 19:27

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	TO15
Date Prepared:	7/12/19	**Analytical Method:**	TO15
Project:	403539001; Comstock Commons	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-4	**1907471-002A**	**SoilGas**	**07/08/2019 09:29**	**GC29 07101949.D**	**181542**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.81	**25.59**	**HK**

Analytes	Result	RL	DF	Date Analyzed
o-Xylene	**8.8**	2.2	1	07/12/2019 19:27
Xylenes, Total	**30**	2.2	1	07/12/2019 19:27
1,3-Dichloropropene, Total	ND	2.3	1	07/12/2019 19:27

Surrogates	REC (%)	Limits	
1,2-DCA-d4	95	70-130	07/12/2019 19:27
Toluene-d8	102	70-130	07/12/2019 19:27
4-BFB	96	70-130	07/12/2019 19:27

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	TO15
Date Prepared:	7/12/19	**Analytical Method:**	TO15
Project:	403539001; Comstock Commons	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-3	1907471-003A	SoilGas	07/08/2019 08:59	GC29 07101950.D	181542

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.12	28.22	HK

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	07/12/2019 20:12
Acrolein	ND	5.8	1	07/12/2019 20:12
Acrylonitrile	ND	1.1	1	07/12/2019 20:12
tert-Amyl methyl ether (TAME)	ND	2.1	1	07/12/2019 20:12
Benzene	ND	1.6	1	07/12/2019 20:12
Benzyl chloride	ND	2.6	1	07/12/2019 20:12
Bromodichloromethane	ND	3.5	1	07/12/2019 20:12
Bromoform	ND	5.2	1	07/12/2019 20:12
Bromomethane	ND	2.0	1	07/12/2019 20:12
1,3-Butadiene	ND	1.1	1	07/12/2019 20:12
2-Butanone (MEK)	ND	75	1	07/12/2019 20:12
t-Butyl alcohol (TBA)	ND	31	1	07/12/2019 20:12
Carbon Disulfide	**15**	1.6	1	07/12/2019 20:12
Carbon Tetrachloride	ND	3.2	1	07/12/2019 20:12
Chlorobenzene	ND	2.4	1	07/12/2019 20:12
Chloroethane	ND	1.3	1	07/12/2019 20:12
Chloroform	**34**	2.4	1	07/12/2019 20:12
Chloromethane	**2.4**	1.0	1	07/12/2019 20:12
Cyclohexane	ND	18	1	07/12/2019 20:12
Dibromochloromethane	ND	4.4	1	07/12/2019 20:12
1,2-Dibromo-3-chloropropane	ND	0.12	1	07/12/2019 20:12
1,2-Dibromoethane (EDB)	ND	3.9	1	07/12/2019 20:12
1,2-Dichlorobenzene	ND	3.0	1	07/12/2019 20:12
1,3-Dichlorobenzene	ND	3.0	1	07/12/2019 20:12
1,4-Dichlorobenzene	ND	3.0	1	07/12/2019 20:12
Dichlorodifluoromethane	ND	2.5	1	07/12/2019 20:12
1,1-Dichloroethane	ND	2.0	1	07/12/2019 20:12
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	07/12/2019 20:12
1,1-Dichloroethene	ND	2.0	1	07/12/2019 20:12
cis-1,2-Dichloroethene	ND	2.0	1	07/12/2019 20:12
trans-1,2-Dichloroethene	ND	2.0	1	07/12/2019 20:12
1,2-Dichloropropane	ND	2.4	1	07/12/2019 20:12
cis-1,3-Dichloropropene	ND	2.3	1	07/12/2019 20:12
trans-1,3-Dichloropropene	ND	2.3	1	07/12/2019 20:12

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	TO15
Date Prepared:	7/12/19	**Analytical Method:**	TO15
Project:	403539001; Comstock Commons	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-3	1907471-003A	SoilGas	07/08/2019 08:59	GC29 07101950.D	181542

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.12	28.22	HK

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	07/12/2019 20:12
Diisopropyl ether (DIPE)	ND	2.1	1	07/12/2019 20:12
1,4-Dioxane	ND	1.8	1	07/12/2019 20:12
Ethanol	ND	96	1	07/12/2019 20:12
Ethyl acetate	**2.1**	1.8	1	07/12/2019 20:12
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	07/12/2019 20:12
Ethylbenzene	**7.7**	2.2	1	07/12/2019 20:12
4-Ethyltoluene	**16**	2.5	1	07/12/2019 20:12
Freon 113	ND	3.9	1	07/12/2019 20:12
Heptane	ND	21	1	07/12/2019 20:12
Hexachlorobutadiene	ND	5.4	1	07/12/2019 20:12
Hexane	ND	18	1	07/12/2019 20:12
2-Hexanone	ND	2.1	1	07/12/2019 20:12
4-Methyl-2-pentanone (MIBK)	**2.5**	2.1	1	07/12/2019 20:12
Methyl-t-butyl ether (MTBE)	ND	1.8	1	07/12/2019 20:12
Methylene chloride	ND	8.8	1	07/12/2019 20:12
Methyl methacrylate	ND	2.1	1	07/12/2019 20:12
Naphthalene	ND	5.3	1	07/12/2019 20:12
Styrene	ND	2.2	1	07/12/2019 20:12
1,1,1,2-Tetrachloroethane	ND	3.5	1	07/12/2019 20:12
1,1,2,2-Tetrachloroethane	ND	3.5	1	07/12/2019 20:12
Tetrachloroethene	**4.5**	3.4	1	07/12/2019 20:12
Tetrahydrofuran	**7.0**	3.0	1	07/12/2019 20:12
Toluene	**25**	1.9	1	07/12/2019 20:12
1,2,4-Trichlorobenzene	ND	3.8	1	07/12/2019 20:12
1,1,1-Trichloroethane	ND	2.8	1	07/12/2019 20:12
1,1,2-Trichloroethane	ND	2.8	1	07/12/2019 20:12
Trichloroethene	ND	2.8	1	07/12/2019 20:12
Trichlorofluoromethane	ND	2.8	1	07/12/2019 20:12
1,2,4-Trimethylbenzene	**35**	2.5	1	07/12/2019 20:12
1,3,5-Trimethylbenzene	**20**	2.5	1	07/12/2019 20:12
Vinyl Acetate	ND	18	1	07/12/2019 20:12
Vinyl Chloride	ND	1.3	1	07/12/2019 20:12
m,p-Xylene	**56**	4.4	1	07/12/2019 20:12

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	TO15
Date Prepared:	7/12/19	**Analytical Method:**	TO15
Project:	403539001; Comstock Commons	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-3	**1907471-003A**	**SoilGas**	**07/08/2019 08:59**	**GC29 07101950.D**	**181542**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.12	**28.22**	**HK**

Analytes	Result	RL	DF	Date Analyzed
o-Xylene	**20**	2.2	1	07/12/2019 20:12
Xylenes, Total	**76**	2.2	1	07/12/2019 20:12
1,3-Dichloropropene, Total	ND	2.3	1	07/12/2019 20:12

Surrogates	REC (%)	Limits	
1,2-DCA-d4	93	70-130	07/12/2019 20:12
Toluene-d8	102	70-130	07/12/2019 20:12
4-BFB	98	70-130	07/12/2019 20:12

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	TO15
Date Prepared:	7/12/19	**Analytical Method:**	TO15
Project:	403539001; Comstock Commons	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-5	**1907471-004A**	**SoilGas**	**07/08/2019 10:31**	**GC29 07101947.D**	**181542**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.19	**24.40**	**HK**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	07/12/2019 17:57
Acrolein	ND	5.8	1	07/12/2019 17:57
Acrylonitrile	ND	1.1	1	07/12/2019 17:57
tert-Amyl methyl ether (TAME)	ND	2.1	1	07/12/2019 17:57
Benzene	ND	1.6	1	07/12/2019 17:57
Benzyl chloride	ND	2.6	1	07/12/2019 17:57
Bromodichloromethane	ND	3.5	1	07/12/2019 17:57
Bromoform	ND	5.2	1	07/12/2019 17:57
Bromomethane	ND	2.0	1	07/12/2019 17:57
1,3-Butadiene	ND	1.1	1	07/12/2019 17:57
2-Butanone (MEK)	ND	75	1	07/12/2019 17:57
t-Butyl alcohol (TBA)	ND	31	1	07/12/2019 17:57
Carbon Disulfide	**4.2**	1.6	1	07/12/2019 17:57
Carbon Tetrachloride	ND	3.2	1	07/12/2019 17:57
Chlorobenzene	ND	2.4	1	07/12/2019 17:57
Chloroethane	ND	1.3	1	07/12/2019 17:57
Chloroform	**8.9**	2.4	1	07/12/2019 17:57
Chloromethane	ND	1.0	1	07/12/2019 17:57
Cyclohexane	ND	18	1	07/12/2019 17:57
Dibromochloromethane	ND	4.4	1	07/12/2019 17:57
1,2-Dibromo-3-chloropropane	ND	0.12	1	07/12/2019 17:57
1,2-Dibromoethane (EDB)	ND	3.9	1	07/12/2019 17:57
1,2-Dichlorobenzene	ND	3.0	1	07/12/2019 17:57
1,3-Dichlorobenzene	ND	3.0	1	07/12/2019 17:57
1,4-Dichlorobenzene	ND	3.0	1	07/12/2019 17:57
Dichlorodifluoromethane	ND	2.5	1	07/12/2019 17:57
1,1-Dichloroethane	ND	2.0	1	07/12/2019 17:57
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	07/12/2019 17:57
1,1-Dichloroethene	ND	2.0	1	07/12/2019 17:57
cis-1,2-Dichloroethene	ND	2.0	1	07/12/2019 17:57
trans-1,2-Dichloroethene	ND	2.0	1	07/12/2019 17:57
1,2-Dichloropropane	ND	2.4	1	07/12/2019 17:57
cis-1,3-Dichloropropene	ND	2.3	1	07/12/2019 17:57
trans-1,3-Dichloropropene	ND	2.3	1	07/12/2019 17:57

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"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Received:	7/10/19 15:20	**Extraction Method:**	TO15
Date Prepared:	7/12/19	**Analytical Method:**	TO15
Project:	403539001; Comstock Commons	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-5	**1907471-004A**	**SoilGas**	**07/08/2019 10:31**	**GC29 07101947.D**	**181542**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.19	**24.40**	**HK**

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	07/12/2019 17:57
Diisopropyl ether (DIPE)	ND	2.1	1	07/12/2019 17:57
1,4-Dioxane	ND	1.8	1	07/12/2019 17:57
Ethanol	ND	96	1	07/12/2019 17:57
Ethyl acetate	ND	1.8	1	07/12/2019 17:57
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	07/12/2019 17:57
Ethylbenzene	ND	2.2	1	07/12/2019 17:57
4-Ethyltoluene	ND	2.5	1	07/12/2019 17:57
Freon 113	ND	3.9	1	07/12/2019 17:57
Heptane	ND	21	1	07/12/2019 17:57
Hexachlorobutadiene	ND	5.4	1	07/12/2019 17:57
Hexane	**32**	18	1	07/12/2019 17:57
2-Hexanone	ND	2.1	1	07/12/2019 17:57
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	07/12/2019 17:57
Methyl-t-butyl ether (MTBE)	ND	1.8	1	07/12/2019 17:57
Methylene chloride	ND	8.8	1	07/12/2019 17:57
Methyl methacrylate	ND	2.1	1	07/12/2019 17:57
Naphthalene	ND	5.3	1	07/12/2019 17:57
Styrene	ND	2.2	1	07/12/2019 17:57
1,1,1,2-Tetrachloroethane	ND	3.5	1	07/12/2019 17:57
1,1,2,2-Tetrachloroethane	ND	3.5	1	07/12/2019 17:57
Tetrachloroethene	ND	3.4	1	07/12/2019 17:57
Tetrahydrofuran	ND	3.0	1	07/12/2019 17:57
Toluene	**25**	1.9	1	07/12/2019 17:57
1,2,4-Trichlorobenzene	ND	3.8	1	07/12/2019 17:57
1,1,1-Trichloroethane	ND	2.8	1	07/12/2019 17:57
1,1,2-Trichloroethane	ND	2.8	1	07/12/2019 17:57
Trichloroethene	ND	2.8	1	07/12/2019 17:57
Trichlorofluoromethane	ND	2.8	1	07/12/2019 17:57
1,2,4-Trimethylbenzene	ND	2.5	1	07/12/2019 17:57
1,3,5-Trimethylbenzene	ND	2.5	1	07/12/2019 17:57
Vinyl Acetate	ND	18	1	07/12/2019 17:57
Vinyl Chloride	ND	1.3	1	07/12/2019 17:57
m,p-Xylene	ND	4.4	1	07/12/2019 17:57

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Date Received:	7/10/19 15:20	**Extraction Method:**	TO15
Date Prepared:	7/12/19	**Analytical Method:**	TO15
Project:	403539001; Comstock Commons	**Unit:**	µg/m³

Volatile Organic Compounds

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-5	**1907471-004A**	**SoilGas**	**07/08/2019 10:31**	**GC29 07101947.D**	**181542**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.19	**24.40**	**HK**

Analytes	Result	RL	DF	Date Analyzed
o-Xylene	ND	2.2	1	07/12/2019 17:57
Xylenes, Total	ND	2.2	1	07/12/2019 17:57
1,3-Dichloropropene, Total	ND	2.3	1	07/12/2019 17:57

Surrogates	REC (%)	Limits	
1,2-DCA-d4	94	70-130	07/12/2019 17:57
Toluene-d8	103	70-130	07/12/2019 17:57
4-BFB	100	70-130	07/12/2019 17:57

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Prepared:	7/11/19	**BatchID:**	181337
Date Analyzed:	7/11/19	**Extraction Method:**	ASTM D 1946-90
Instrument:	GC26	**Analytical Method:**	ASTM D 1946-90
Matrix:	SoilGas	**Unit:**	%
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181337

QC Summary Report for ASTM D1946-90

Analyte	MB Result	MDL	RL			
Oxygen	ND	0.014	0.20	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Oxygen	1.8	1.7	2.1	83	83	70-130	0	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Prepared:	7/11/19	**BatchID:**	181747
Date Analyzed:	7/11/19	**Extraction Method:**	ASTM D 1946-90
Instrument:	GC26	**Analytical Method:**	ASTM D 1946-90
Matrix:	Soilgas	**Unit:**	%
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181747

QC Summary Report for ASTM D1946-90

Analyte	MB Result	MDL	RL			
Helium	ND	0.025	0.025	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Helium	0.088	0.087	0.10	88	87	60-140	1.10	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Prepared:	7/12/19	**BatchID:**	181463
Date Analyzed:	7/12/19	**Extraction Method:**	ASTM D 1946-90
Instrument:	GC26	**Analytical Method:**	ASTM D 1946-90
Matrix:	SoilGas	**Unit:**	%
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181463

QC Summary Report for ASTM D1946-90

Analyte	MB Result	MDL	RL			
Carbon Dioxide	0.00089,J	0.000085	0.0020	-	-	-
Methane	ND	0.000030	0.00010	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	0.011	0.011	0.010	110	113	70-130	2.77	20
Methane	0.0081	0.0081	0.010	81	81	70-130	0	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Prepared:	7/12/19	**BatchID:**	181542
Date Analyzed:	7/12/19	**Extraction Method:**	TO15
Instrument:	GC29	**Analytical Method:**	TO15
Matrix:	SoilGas	**Unit:**	µg/m³
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181542

QC Summary Report for TO15

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	2.6	30	-	-	-
Acrolein	ND	0.28	2.9	-	-	-
Acrylonitrile	ND	0.14	0.55	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.55	1.0	-	-	-
Benzene	ND	0.16	0.80	-	-	-
Benzyl chloride	ND	0.15	1.3	-	-	-
Bromodichloromethane	ND	0.0095	1.8	-	-	-
Bromoform	ND	0.43	2.6	-	-	-
Bromomethane	ND	0.40	1.0	-	-	-
1,3-Butadiene	ND	0.12	0.55	-	-	-
2-Butanone (MEK)	ND	2.6	38	-	-	-
t-Butyl alcohol (TBA)	ND	14	16	-	-	-
Carbon Disulfide	ND	0.11	0.80	-	-	-
Carbon Tetrachloride	ND	0.0065	1.6	-	-	-
Chlorobenzene	ND	0.16	1.2	-	-	-
Chloroethane	ND	0.24	0.65	-	-	-
Chloroform	ND	0.0095	1.2	-	-	-
Chloromethane	ND	0.065	0.50	-	-	-
Cyclohexane	ND	0.35	9.0	-	-	-
Dibromochloromethane	ND	0.012	2.2	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.018	0.060	-	-	-
1,2-Dibromoethane (EDB)	ND	0.26	2.0	-	-	-
1,2-Dichlorobenzene	ND	0.25	1.5	-	-	-
1,3-Dichlorobenzene	ND	0.25	1.5	-	-	-
1,4-Dichlorobenzene	ND	0.20	1.5	-	-	-
Dichlorodifluoromethane	ND	0.12	1.2	-	-	-
1,1-Dichloroethane	ND	0.36	1.0	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.080	1.0	-	-	-
1,1-Dichloroethene	ND	0.19	1.0	-	-	-
cis-1,2-Dichloroethene	ND	0.15	1.0	-	-	-
trans-1,2-Dichloroethene	ND	0.15	1.0	-	-	-
1,2-Dichloropropane	ND	0.0085	1.2	-	-	-
cis-1,3-Dichloropropene	ND	0.011	1.2	-	-	-
trans-1,3-Dichloropropene	ND	0.23	1.2	-	-	-
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	1.8	1.8	-	-	-
Diisopropyl ether (DIPE)	ND	0.085	1.0	-	-	-
1,4-Dioxane	ND	0.15	0.90	-	-	-
Ethanol	ND	2.9	48	-	-	-

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Date Analyzed:	7/12/19	**Extraction Method:**	TO15
Instrument:	GC29	**Analytical Method:**	TO15
Matrix:	SoilGas	**Unit:**	µg/m³
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181542

QC Summary Report for TO15

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Ethyl acetate	ND	0.11	0.90	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.34	1.0	-	-	-
Ethylbenzene	ND	0.13	1.1	-	-	-
4-Ethyltoluene	ND	0.090	1.2	-	-	-
Freon 113	ND	0.30	2.0	-	-	-
Heptane	ND	0.075	10	-	-	-
Hexachlorobutadiene	ND	0.19	2.7	-	-	-
Hexane	ND	0.12	9.0	-	-	-
2-Hexanone	ND	0.21	1.0	-	-	-
Isopropyl Alcohol	ND	2.9	25	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.10	1.0	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.21	0.90	-	-	-
Methylene chloride	ND	0.34	4.4	-	-	-
Methyl methacrylate	ND	0.10	1.0	-	-	-
Naphthalene	ND	0.30	2.6	-	-	-
Styrene	ND	0.11	1.1	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0050	1.8	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.016	1.8	-	-	-
Tetrachloroethene	ND	0.0095	1.7	-	-	-
Tetrahydrofuran	ND	0.080	1.5	-	-	-
Toluene	ND	0.12	0.95	-	-	-
1,2,4-Trichlorobenzene	ND	0.25	1.9	-	-	-
1,1,1-Trichloroethane	ND	0.25	1.4	-	-	-
1,1,2-Trichloroethane	ND	0.0070	1.4	-	-	-
Trichloroethene	ND	0.014	1.4	-	-	-
Trichlorofluoromethane	ND	0.21	1.4	-	-	-
1,2,4-Trimethylbenzene	ND	1.2	1.2	-	-	-
1,3,5-Trimethylbenzene	ND	0.15	1.2	-	-	-
Vinyl Acetate	ND	0.30	9.0	-	-	-
Vinyl Chloride	ND	0.090	0.65	-	-	-
m,p-Xylene	ND	0.13	2.2	-	-	-
o-Xylene	ND	0.090	1.1	-	-	-
Surrogate Recovery						
1,2-DCA-d4	480			500	96	70-130
Toluene-d8	510			500	102	70-130
4-BFB	480			500	95	70-130

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Date Analyzed:	7/12/19	**Extraction Method:**	TO15
Instrument:	GC29	**Analytical Method:**	TO15
Matrix:	SoilGas	**Unit:**	µg/m³
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181542

QC Summary Report for TO15

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	4.8	4.8	6	80	79	60-140	0.733	30
Acrolein	4.8	4.7	5.8	82	81	60-140	1.47	30
Acrylonitrile	4.8	4.9	5.5	88	89	60-140	1.49	30
tert-Amyl methyl ether (TAME)	9.2	8.3	10.5	88	79	60-140	10.1	30
Benzene	7.4	7.4	8	92	92	60-140	0	30
Benzyl chloride	9.7	9.7	13.3	73	73	60-140	0	30
Bromodichloromethane	15	15	17.5	88	86	60-140	1.84	30
Bromoform	23	22	26.3	87	85	60-140	2.48	30
Bromomethane	7.6	8.5	9.8	77	87	60-140	12.1	30
1,3-Butadiene	6.9	6.9	5.5	125	126	60-140	0.684	30
2-Butanone (MEK)	6.6	6.5	7.5	87	87	60-140	0	30
t-Butyl alcohol (TBA)	6.3	6.1	7.8	80	78	60-140	2.82	30
Carbon Disulfide	7.3	7.3	8	91	91	60-140	0	30
Carbon Tetrachloride	14	14	16	89	89	60-140	0	30
Chlorobenzene	11	11	11.8	90	90	60-140	0	30
Chloroethane	6.3	6.4	6.8	92	94	60-140	1.96	30
Chloroform	10	10	12.3	85	85	60-140	0	30
Chloromethane	4.2	4.1	5.3	79	77	60-140	1.94	30
Cyclohexane	8.0	8.0	8.8	91	91	60-140	0	30
Dibromochloromethane	19	19	21.8	87	87	60-140	0	30
1,2-Dibromo-3-chloropropane	23	22	24.5	92	92	60-140	0	30
1,2-Dibromoethane (EDB)	17	17	19.5	89	88	60-140	0.407	30
1,2-Dichlorobenzene	14	13	15.3	88	87	60-140	2.06	30
1,3-Dichlorobenzene	14	14	15.3	92	92	60-140	0	30
1,4-Dichlorobenzene	13	13	15.3	83	83	60-140	0	30
Dichlorodifluoromethane	9.6	9.2	12.5	77	74	60-140	4.62	30
1,1-Dichloroethane	9.1	9.1	10.3	89	88	60-140	0.581	30
1,2-Dichloroethane (1,2-DCA)	8.6	8.6	10.3	83	84	60-140	0.345	30
1,1-Dichloroethene	8.3	8.2	10	83	82	60-140	0.645	30
cis-1,2-Dichloroethene	8.9	9.2	10	89	92	60-140	3.32	30
trans-1,2-Dichloroethene	8.5	8.5	10	85	85	60-140	0	30
1,2-Dichloropropane	10	10	11.8	86	86	60-140	0	30
cis-1,3-Dichloropropene	9.5	9.5	11.5	83	83	60-140	0	30
trans-1,3-Dichloropropene	9.2	9.1	11.5	80	80	60-140	0	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane	14	13	17.8	76	76	60-140	0	30
Diisopropyl ether (DIPE)	9.0	8.9	10.5	85	85	60-140	0	30
1,4-Dioxane	8.6	8.6	9.3	93	93	60-140	0	30
Ethanol	3.9	4.0	4.8	81	82	60-140	2.26	30

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907471
Date Prepared:	7/12/19	**BatchID:**	181542
Date Analyzed:	7/12/19	**Extraction Method:**	TO15
Instrument:	GC29	**Analytical Method:**	TO15
Matrix:	SoilGas	**Unit:**	µg/m³
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181542

QC Summary Report for TO15

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Ethyl acetate	8.2	8.2	9.3	88	88	60-140	0	30
Ethyl tert-butyl ether (ETBE)	8.9	8.9	10.5	85	85	60-140	0	30
Ethylbenzene	9.3	9.4	11	85	85	60-140	0	30
4-Ethyltoluene	11	11	12.5	89	88	60-140	0.0937	30
Freon 113	17	17	19.5	89	90	60-140	0.465	30
Heptane	8.6	8.5	10.5	82	81	60-140	0.579	30
Hexachlorobutadiene	23	22	27	84	83	60-140	1.23	30
Hexane	8.0	8.0	9	89	88	60-140	0.0994	30
2-Hexanone	10	10	10.5	96	96	60-140	0	30
Isopropyl Alcohol	5.2	5.2	6.3	82	83	60-140	0.0481	30
4-Methyl-2-pentanone (MIBK)	9.1	9.0	10.5	86	86	60-140	0	30
Methyl-t-butyl ether (MTBE)	7.9	7.9	9.3	84	84	60-140	0	30
Methylene chloride	8.5	7.6	8.8	97	86	60-140	11.7	30
Methyl methacrylate	8.7	8.7	10.4	83	84	60-140	0.664	30
Naphthalene	13	11	13.25	99	87	60-140	13.9	30
Styrene	8.7	8.7	10.8	81	81	60-140	0	30
1,1,1,2-Tetrachloroethane	15	15	17.5	86	85	60-140	0.141	30
1,1,2,2-Tetrachloroethane	16	16	17.5	90	90	60-140	0	30
Tetrachloroethene	15	15	17.2	90	89	60-140	0.715	30
Tetrahydrofuran	6.2	6.2	7.5	83	82	60-140	0.720	30
Toluene	8.2	8.1	9.5	86	86	60-140	0	30
1,2,4-Trichlorobenzene	17	17	18.8	93	91	60-140	2.10	30
1,1,1-Trichloroethane	12	12	13.8	85	84	60-140	1.59	30
1,1,2-Trichloroethane	12	12	13.8	84	84	60-140	0	30
Trichloroethene	12	12	13.8	85	85	60-140	0	30
Trichlorofluoromethane	13	13	14.3	89	89	60-140	0	30
1,2,4-Trimethylbenzene	11	11	12.5	89	88	60-140	1.15	30
1,3,5-Trimethylbenzene	11	11	12.5	91	91	60-140	0	30
Vinyl Acetate	7.1	7.0	9	79	78	60-140	1.49	30
Vinyl Chloride	8.6	8.2	6.5	133	127	60-140	4.75	30
m,p-Xylene	19	19	22	86	86	60-140	0	30
o-Xylene	9.5	9.5	11	86	86	60-140	0	30
Surrogate Recovery								
1,2-DCA-d4	480	480	500	96	95	70-130	0.691	30
Toluene-d8	510	500	500	101	100	70-130	1.04	30
4-BFB	490	480	500	97	97	70-130	0	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1907471 **ClientCode: NMO** **QuoteID: 192744**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Aubrey Cool
Ninyo & Moore
2020 Challenger Drive, Suite 103
Alameda, CA 94501
(510) 343-3000 FAX: (510) 633-5646

Email: acool@ninyoandmoore.com
cc/3rd Party:
PO:
Project: 403539001; Comstock Commons

Bill to:
Accounts Payable
Ninyo & Moore
2020 Challenger Drive, Suite 103
Alameda, CA 94501
nmaccountspayable@ninyoandmoore.c

Requested TAT: 5 days;

Date Received: **07/10/2019**
Date Logged: **07/10/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1907471-001	B-1	SoilGas	7/8/2019 08:28	☐	A	A	A	A								
1907471-002	B-4	SoilGas	7/8/2019 09:29	☐	A	A	A	A								
1907471-003	B-3	SoilGas	7/8/2019 08:59	☐	A	A	A	A								
1907471-004	B-5	SoilGas	7/8/2019 10:31	☐	A	A	A	A								

Test Legend:

1	ATMOSPHERICGAS_SG(%)	2	HELIUM_LC_SOILGAS(%)	3	LG_SUMMA_SOILGAS(%)	4	TO15_Scan-SIM_SOIL(UG/M3) [N]
5		6		7		8	
9		10		11		12	

Project Manager: Jennifer Lagerbom

Prepared by: Julia Danielsson

The following SampIDs: 001A, 002A, 003A, 004A contain testgroup TO15He_O2_CO2_Ch4_SG.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: NINYO & MOORE
Client Contact: Aubrey Cool
Contact's Email: acool@ninyoandmoore.com

Project: 403539001; Comstock Commons
Comments:

Work Order: 1907471
QC Level: LEVEL 2
Date Logged: 7/10/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1907471-001A	B-1	SoilGas	TO15 w/ Helium, O2, CO2 and Methane	1	1L Summa	☐	7/8/2019 8:28	5 days		☐	
1907471-002A	B-4	SoilGas	TO15 w/ Helium, O2, CO2 and Methane	1	1L Summa	☐	7/8/2019 9:29	5 days		☐	
1907471-003A	B-3	SoilGas	TO15 w/ Helium, O2, CO2 and Methane	1	1L Summa	☐	7/8/2019 8:59	5 days		☐	
1907471-004A	B-5	SoilGas	TO15 w/ Helium, O2, CO2 and Methane	1	1L Summa	☐	7/8/2019 10:31	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

Summa COC

MAI Work Order # 190747

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CHAIN OF CUSTODY RECORD

Turn Around Time:	1 Day Rush		2 Day Rush		3 Day Rush		STD	✓	Quote #				
J-Flag / MDL		ESL							Bottle Order #				
Delivery Format:	PDF		GeoTracker EDF		EDD				Detect Summary				

Report To: Aubrey Coul Bill To:
Company: Ninyo & Moore
Email: acoul@ninyoandmoore.com
Alt Email: aturman@ninyoandmoore.com Tele: 510.343.3006
Project Name: comstock commons Project#: 403539001
Project Location: 200 San Marin Drive PO #
Sampler Signature: [signature]

SAMPLE ID Location / Field Point	Sampling Start Date	Sampling Start Time	End Time	Canister SN#	Sample Kit / Manifold #	VOCs TO-15 (µg/m³) - See Notes	VOCs TO-17 (µg/m³) - See Notes	8010 by TO-15 (µg/m³)	TPH(g) (µg/m³)	TPH(ss) (µg/m³)	LEED: (inc. 4PCH, Formaldehyde, CO, Total VOCs)	Fixed Gas (CO_2, Methane, Ethane, Ethylene, Acetylene, Propane, CO) %	Fixed Gas (O_2, N_2) %	APH: Aliphatic and/or Aromatic (circle one) µg/m³			Matrix: Soilgas	Matrix: Indoor Air	Matrix:	Canister Pressure / Vacuum: Initial	Canister Pressure / Vacuum: Final
SV-1	7.8.19	816	828	0881-2509	316845	✓						✓	✓				✓			-29.5	-4.0
SV-4		922	929	1874-1294	316-1320	✓						✓	✓				✓			-30	-3.5
SV-3		852	859	0895-2523	316-768	✓						✓	✓				✓			-26.5	-0.5
SV-5		953	1031	7531-879	316-1364	✓						✓	✓				✓			-28.5	-5.0

Helium Shroud SN#

Leak Check Default is IPA

✓ Helium Leak Check %

IPA, Norflorane, 1,1-difluroethane µg/m3

Other (Specify)

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time	Comments / Instructions
Asha Turman Ninyo & Moore	7.8.19	1330	CAP	7/10/19	1330	
CAP	7/10/19	1520	[signature]	7/10/19	1520	

Client will be charged $56 for each unused Summa canister.

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Sample Receipt Checklist

Client Name:	**Ninyo & Moore**	Date and Time Received	**7/10/2019 15:20**
Project:	**403539001; Comstock Commons**	Date Logged:	**7/10/2019**
		Received by:	Julia Danielsson
WorkOrder №:	**1907471** Matrix: SoilGas	Logged by:	Julia Danielsson
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	NA	☐
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☐	No	☑		
Sample/Temp Blank temperature	Temp:				NA	☑
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1907816

Report Created for: Ninyo & Moore

2020 Challenger Drive, Suite 103
Alameda, CA 94501

Project Contact: Aubrey Cool
Project P.O.:
Project: 403539001; Comstock Commons

Project Received: 07/17/2019

Analytical Report reviewed & approved for release on 07/24/2019 by:

Yen Cao
Project Manager

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Glossary of Terms & Qualifier Definitions

Client: Ninyo & Moore
Project: 403539001; Comstock Commons
WorkOrder: 1907816

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Ninyo & Moore
Project: 403539001; Comstock Commons
WorkOrder: 1907816

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
e2	Diesel range compounds are significant; no recognizable pattern.
e7	Oil range compounds are significant.

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.
F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Received:	7/17/19 13:57	**Extraction Method:**	SW5030B
Date Prepared:	7/17/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
D1	1907816-001A	Soil	07/17/2019 12:29	GC38 07191951.D	181765

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	07/20/2019 16:36
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/20/2019 16:36
Benzene	ND	0.0050	1	07/20/2019 16:36
Bromobenzene	ND	0.0050	1	07/20/2019 16:36
Bromochloromethane	ND	0.0050	1	07/20/2019 16:36
Bromodichloromethane	ND	0.0050	1	07/20/2019 16:36
Bromoform	ND	0.0050	1	07/20/2019 16:36
Bromomethane	ND	0.0050	1	07/20/2019 16:36
2-Butanone (MEK)	ND	0.050	1	07/20/2019 16:36
t-Butyl alcohol (TBA)	ND	0.050	1	07/20/2019 16:36
n-Butyl benzene	ND	0.0050	1	07/20/2019 16:36
sec-Butyl benzene	ND	0.0050	1	07/20/2019 16:36
tert-Butyl benzene	ND	0.0050	1	07/20/2019 16:36
Carbon Disulfide	ND	0.0050	1	07/20/2019 16:36
Carbon Tetrachloride	ND	0.0050	1	07/20/2019 16:36
Chlorobenzene	ND	0.0050	1	07/20/2019 16:36
Chloroethane	ND	0.0050	1	07/20/2019 16:36
Chloroform	ND	0.0050	1	07/20/2019 16:36
Chloromethane	ND	0.0050	1	07/20/2019 16:36
2-Chlorotoluene	ND	0.0050	1	07/20/2019 16:36
4-Chlorotoluene	ND	0.0050	1	07/20/2019 16:36
Dibromochloromethane	ND	0.0050	1	07/20/2019 16:36
1,2-Dibromo-3-chloropropane	ND	0.0050	1	07/20/2019 16:36
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/20/2019 16:36
Dibromomethane	ND	0.0050	1	07/20/2019 16:36
1,2-Dichlorobenzene	ND	0.0050	1	07/20/2019 16:36
1,3-Dichlorobenzene	ND	0.0050	1	07/20/2019 16:36
1,4-Dichlorobenzene	ND	0.0050	1	07/20/2019 16:36
Dichlorodifluoromethane	ND	0.0050	1	07/20/2019 16:36
1,1-Dichloroethane	ND	0.0050	1	07/20/2019 16:36
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/20/2019 16:36
1,1-Dichloroethene	ND	0.0050	1	07/20/2019 16:36
cis-1,2-Dichloroethene	ND	0.0050	1	07/20/2019 16:36
trans-1,2-Dichloroethene	ND	0.0050	1	07/20/2019 16:36
1,2-Dichloropropane	ND	0.0050	1	07/20/2019 16:36
1,3-Dichloropropane	ND	0.0050	1	07/20/2019 16:36
2,2-Dichloropropane	ND	0.0050	1	07/20/2019 16:36

(Cont.)

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Received:	7/17/19 13:57	**Extraction Method:**	SW5030B
Date Prepared:	7/17/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
D1	1907816-001A	Soil	07/17/2019 12:29	GC38 07191951.D	181765

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/20/2019 16:36
cis-1,3-Dichloropropene	ND	0.0050	1	07/20/2019 16:36
trans-1,3-Dichloropropene	ND	0.0050	1	07/20/2019 16:36
Diisopropyl ether (DIPE)	ND	0.0050	1	07/20/2019 16:36
Ethylbenzene	ND	0.0050	1	07/20/2019 16:36
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/20/2019 16:36
Freon 113	ND	0.0050	1	07/20/2019 16:36
Hexachlorobutadiene	ND	0.0050	1	07/20/2019 16:36
Hexachloroethane	ND	0.0050	1	07/20/2019 16:36
2-Hexanone	ND	0.0050	1	07/20/2019 16:36
Isopropylbenzene	ND	0.0050	1	07/20/2019 16:36
4-Isopropyl toluene	ND	0.0050	1	07/20/2019 16:36
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/20/2019 16:36
Methylene chloride	ND	0.020	1	07/20/2019 16:36
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/20/2019 16:36
Naphthalene	ND	0.0050	1	07/20/2019 16:36
n-Propyl benzene	ND	0.0050	1	07/20/2019 16:36
Styrene	ND	0.0050	1	07/20/2019 16:36
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/20/2019 16:36
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/20/2019 16:36
Tetrachloroethene	ND	0.0050	1	07/20/2019 16:36
Toluene	ND	0.0050	1	07/20/2019 16:36
1,2,3-Trichlorobenzene	ND	0.0050	1	07/20/2019 16:36
1,2,4-Trichlorobenzene	ND	0.0050	1	07/20/2019 16:36
1,1,1-Trichloroethane	ND	0.0050	1	07/20/2019 16:36
1,1,2-Trichloroethane	ND	0.0050	1	07/20/2019 16:36
Trichloroethene	ND	0.0050	1	07/20/2019 16:36
Trichlorofluoromethane	ND	0.0050	1	07/20/2019 16:36
1,2,3-Trichloropropane	ND	0.0050	1	07/20/2019 16:36
1,2,4-Trimethylbenzene	ND	0.0050	1	07/20/2019 16:36
1,3,5-Trimethylbenzene	ND	0.0050	1	07/20/2019 16:36
Vinyl Chloride	ND	0.0050	1	07/20/2019 16:36
m,p-Xylene	ND	0.0050	1	07/20/2019 16:36
o-Xylene	ND	0.0050	1	07/20/2019 16:36
Xylenes, Total	ND	0.0050	1	07/20/2019 16:36

(Cont.)

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Received:	7/17/19 13:57	**Extraction Method:**	SW5030B
Date Prepared:	7/17/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
D1	**1907816-001A**	**Soil**	**07/17/2019 12:29**	**GC38 07191951.D**	**181765**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	100	66-116		07/20/2019 16:36
Toluene-d8	100	86-110		07/20/2019 16:36
4-BFB	91	71-114		07/20/2019 16:36
Benzene-d6	95	62-122		07/20/2019 16:36
Ethylbenzene-d10	103	69-130		07/20/2019 16:36
1,2-DCB-d4	78	55-108		07/20/2019 16:36

Analyst(s): TK

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Received:	7/17/19 13:57	**Extraction Method:**	SW5030B
Date Prepared:	7/17/19	**Analytical Method:**	SW8260B
Project:	403539001; Comstock Commons	**Unit:**	mg/kg

TPH(g)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
D1	1907816-001A	Soil	07/17/2019 12:29	GC38 07191951.D	181765

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	0.25	1	07/20/2019 16:36

Surrogates	REC (%)	Limits	
Dibromofluoromethane	88	82-136	07/20/2019 16:36
Benzene-D6	113	55-122	07/20/2019 16:36

Analyst(s): TK

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Received:	7/17/19 13:57	**Extraction Method:**	SW3050B
Date Prepared:	7/17/19	**Analytical Method:**	SW6020
Project:	403539001; Comstock Commons	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
D1	1907816-001A	Soil	07/17/2019 12:29	ICP-MS1 055SMPL.D	181784

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	07/19/2019 15:23
Arsenic	**5.5**	0.50	1	07/19/2019 15:23
Barium	**160**	5.0	1	07/19/2019 15:23
Beryllium	**0.63**	0.50	1	07/19/2019 15:23
Cadmium	ND	0.25	1	07/19/2019 15:23
Chromium	**200**	0.50	1	07/19/2019 15:23
Cobalt	**28**	0.50	1	07/19/2019 15:23
Copper	**26**	0.50	1	07/19/2019 15:23
Lead	**9.4**	0.50	1	07/19/2019 15:23
Mercury	**0.067**	0.050	1	07/19/2019 15:23
Molybdenum	ND	0.50	1	07/19/2019 15:23
Nickel	**330**	0.50	1	07/19/2019 15:23
Selenium	ND	0.50	1	07/19/2019 15:23
Silver	ND	0.50	1	07/19/2019 15:23
Thallium	ND	0.50	1	07/19/2019 15:23
Vanadium	**54**	0.50	1	07/19/2019 15:23
Zinc	**53**	5.0	1	07/19/2019 15:23

Surrogates	REC (%)	Limits	
Terbium	105	70-130	07/19/2019 15:23

Analyst(s): MIG

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Received:	7/17/19 13:57	**Extraction Method:**	SW1311/SW3010
Date Prepared:	7/17/19	**Analytical Method:**	SW6020
Project:	403539001; Comstock Commons	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
D1	**1907816-001A**	**Soil**	**07/17/2019 12:29**	**ICP-MS1 071SMPL.D**	**181839**

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	07/19/2019 17:03

Analyst(s): MIG

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Received:	7/17/19 13:57	**Extraction Method:**	CA Title 22
Date Prepared:	7/17/19	**Analytical Method:**	SW6020
Project:	403539001; Comstock Commons	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
D1	**1907816-001A**	**Soil**	**07/17/2019 12:29**	**ICP-MS1 195SMPL.D**	**181841**

Analytes	Result	RL	DF	Date Analyzed
Chromium	**1.2**	0.10	1	07/20/2019 05:55
Nickel	**9.2**	0.10	1	07/20/2019 05:55

Analyst(s): ND

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Analytical Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Received:	7/17/19 13:57	**Extraction Method:**	SW3550B
Date Prepared:	7/17/19	**Analytical Method:**	SW8015B
Project:	403539001; Comstock Commons	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
D1	**1907816-001A**	**Soil**	**07/17/2019 12:29**	**GC11B 07191909.D**	**181785**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.8**	1.0	1	07/19/2019 18:36
TPH-Motor Oil (C18-C36)	**20**	5.0	1	07/19/2019 18:36

Surrogates	REC (%)	Limits	
C9	93	74-123	07/19/2019 18:36

Analyst(s): JIS Analytical Comments: e2,e7

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Prepared:	7/17/19	**BatchID:**	181765
Date Analyzed:	7/17/19 - 7/22/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181765

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.039	0.10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0010	0.0050	-	-	-
Benzene	ND	0.0016	0.0050	-	-	-
Bromobenzene	ND	0.0030	0.0050	-	-	-
Bromochloromethane	ND	0.0015	0.0050	-	-	-
Bromodichloromethane	ND	0.0012	0.0050	-	-	-
Bromoform	ND	0.0012	0.0050	-	-	-
Bromomethane	ND	0.0020	0.0050	-	-	-
2-Butanone (MEK)	ND	0.021	0.050	-	-	-
t-Butyl alcohol (TBA)	ND	0.0053	0.050	-	-	-
n-Butyl benzene	ND	0.0035	0.0050	-	-	-
sec-Butyl benzene	ND	0.0034	0.0050	-	-	-
tert-Butyl benzene	ND	0.0029	0.0050	-	-	-
Carbon Disulfide	ND	0.0036	0.0050	-	-	-
Carbon Tetrachloride	ND	0.0017	0.0050	-	-	-
Chlorobenzene	ND	0.0018	0.0050	-	-	-
Chloroethane	ND	0.0016	0.0050	-	-	-
Chloroform	ND	0.0016	0.0050	-	-	-
Chloromethane	ND	0.0017	0.0050	-	-	-
2-Chlorotoluene	ND	0.0022	0.0050	-	-	-
4-Chlorotoluene	ND	0.0024	0.0050	-	-	-
Dibromochloromethane	ND	0.0011	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0037	0.0050	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0013	0.0040	-	-	-
Dibromomethane	ND	0.0014	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0032	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.0011	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0017	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0014	0.0040	-	-	-
1,1-Dichloroethene	ND	0.0017	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0015	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0016	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0014	0.0050	-	-	-
1,3-Dichloropropane	ND	0.0016	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0013	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Prepared:	7/17/19	**BatchID:**	181765
Date Analyzed:	7/17/19 - 7/22/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181765

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0015	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.0014	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0014	0.0050	-	-	-
Ethylbenzene	ND	0.0025	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0013	0.0050	-	-	-
Freon 113	ND	0.0016	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0050	0.0050	-	-	-
Hexachloroethane	ND	0.0025	0.0050	-	-	-
2-Hexanone	ND	0.0022	0.0050	-	-	-
Isopropylbenzene	ND	0.0032	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0032	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0013	0.0050	-	-	-
Methylene chloride	ND	0.010	0.020	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.00080	0.0050	-	-	-
Naphthalene	ND	0.0044	0.0050	-	-	-
n-Propyl benzene	ND	0.0029	0.0050	-	-	-
Styrene	ND	0.0030	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0016	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0013	0.0050	-	-	-
Tetrachloroethene	ND	0.0023	0.0050	-	-	-
Toluene	ND	0.0024	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0030	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0029	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0018	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0019	0.0050	-	-	-
Trichloroethene	ND	0.0017	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0016	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.0019	0.0050	-	-	-
1,2,4-Trimethylbenzene	ND	0.0028	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0026	0.0050	-	-	-
Vinyl Chloride	ND	0.0015	0.0050	-	-	-
m,p-Xylene	ND	0.0040	0.0050	-	-	-
o-Xylene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Prepared:	7/17/19	**BatchID:**	181765
Date Analyzed:	7/17/19 - 7/22/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181765

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.10			0.12	82	66-112
Toluene-d8	0.11			0.12	86,F3	92-109
4-BFB	0.011			0.012	87	72-112
Benzene-d6	0.082			0.10	82	81-126
Ethylbenzene-d10	0.094			0.10	94	92-138
1,2-DCB-d4	0.071			0.10	71	68-108

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Prepared:	7/17/19	**BatchID:**	181765
Date Analyzed:	7/17/19 - 7/22/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181765

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.23	0.23	0.20	113	114	59-127	0.595	20
tert-Amyl methyl ether (TAME)	0.017	0.017	0.020	87	85	54-98	1.24	20
Benzene	0.019	0.018	0.020	94	91	71-115	3.07	20
Bromobenzene	0.019	0.019	0.020	95	95	69-120	0	20
Bromochloromethane	0.018	0.018	0.020	92	91	63-117	0.546	20
Bromodichloromethane	0.018	0.018	0.020	91	89	61-109	2.10	20
Bromoform	0.015	0.015	0.020	75	75	46-87	0	20
Bromomethane	0.014	0.013	0.020	68	67	22-195	0.877	20
2-Butanone (MEK)	0.087	0.089	0.080	109	111	53-124	1.20	20
t-Butyl alcohol (TBA)	0.081	0.080	0.080	101	100	29-142	1.19	20
n-Butyl benzene	0.026	0.026	0.020	132	132	102-169	0	20
sec-Butyl benzene	0.027	0.027	0.020	135	134	100-166	0.473	20
tert-Butyl benzene	0.025	0.025	0.020	124	125	91-153	1.10	20
Carbon Disulfide	0.019	0.018	0.020	93	88	60-125	5.34	20
Carbon Tetrachloride	0.019	0.019	0.020	97	94	69-124	3.10	20
Chlorobenzene	0.019	0.018	0.020	93	91	73-116	2.27	20
Chloroethane	0.018	0.016	0.020	89	81	47-140	9.52	20
Chloroform	0.020	0.019	0.020	98	95	69-118	2.32	20
Chloromethane	0.013	0.013	0.020	67	64	30-132	5.51	20
2-Chlorotoluene	0.021	0.021	0.020	103	103	75-147	0	20
4-Chlorotoluene	0.021	0.021	0.020	107	106	75-137	1.23	20
Dibromochloromethane	0.018	0.017	0.020	88	87	57-105	1.56	20
1,2-Dibromo-3-chloropropane	0.0093	0.0054	0.010	93	54	36-103	54.1,F2	20
1,2-Dibromoethane (EDB)	0.0091	0.0090	0.010	91	90	66-101	1.39	20
Dibromomethane	0.018	0.018	0.020	89	88	61-103	1.17	20
1,2-Dichlorobenzene	0.015	0.015	0.020	75	73	59-104	2.53	20
1,3-Dichlorobenzene	0.019	0.019	0.020	95	94	70-133	1.20	20
1,4-Dichlorobenzene	0.018	0.018	0.020	90	89	68-123	0.954	20
Dichlorodifluoromethane	0.0057	0.0053	0.020	29	26	13-107	8.51	20
1,1-Dichloroethane	0.019	0.019	0.020	97	94	69-118	3.19	20
1,2-Dichloroethane (1,2-DCA)	0.019	0.019	0.020	95	94	59-112	1.28	20
1,1-Dichloroethene	0.018	0.017	0.020	89	85	69-126	4.79	20
cis-1,2-Dichloroethene	0.020	0.019	0.020	98	94	69-116	3.99	20
trans-1,2-Dichloroethene	0.019	0.019	0.020	96	93	73-116	2.72	20
1,2-Dichloropropane	0.019	0.018	0.020	93	91	65-111	2.22	20
1,3-Dichloropropane	0.019	0.019	0.020	97	96	67-110	0.908	20
2,2-Dichloropropane	0.020	0.020	0.020	102	99	65-125	3.54	20
1,1-Dichloropropene	0.020	0.019	0.020	98	95	70-123	2.94	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Prepared:	7/17/19	**BatchID:**	181765
Date Analyzed:	7/17/19 - 7/22/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181765

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.020	0.019	0.020	99	97	68-126	2.09	20
trans-1,3-Dichloropropene	0.019	0.018	0.020	93	91	69-117	1.57	20
Diisopropyl ether (DIPE)	0.018	0.018	0.020	91	89	57-110	2.44	20
Ethylbenzene	0.021	0.021	0.020	107	105	80-128	1.90	20
Ethyl tert-butyl ether (ETBE)	0.018	0.017	0.020	88	86	54-106	2.50	20
Freon 113	0.016	0.016	0.020	82	79	60-108	4.10	20
Hexachlorobutadiene	0.020	0.017	0.020	100	85	67-182	15.8	20
Hexachloroethane	0.022	0.022	0.020	111	110	85-156	1.10	20
2-Hexanone	0.017	0.017	0.020	85	86	37-90	0.657	20
Isopropylbenzene	0.021	0.020	0.020	103	102	64-167	1.03	20
4-Isopropyl toluene	0.024	0.024	0.020	118	118	88-167	0	20
Methyl-t-butyl ether (MTBE)	0.018	0.018	0.020	92	91	60-102	1.07	20
Methylene chloride	0.019	0.018	0.020	94	91	71-117	3.46	20
4-Methyl-2-pentanone (MIBK)	0.016	0.016	0.020	79	79	48-90	0	20
Naphthalene	0.010	0.0099	0.020	51	50	29-65	3.26	20
n-Propyl benzene	0.025	0.025	0.020	125	125	88-161	0	20
Styrene	0.019	0.018	0.020	93	92	70-108	0.954	20
1,1,1,2-Tetrachloroethane	0.019	0.019	0.020	96	94	69-117	1.49	20
1,1,2,2-Tetrachloroethane	0.016	0.016	0.020	81	82	53-96	0.739	20
Tetrachloroethene	0.022	0.021	0.020	108	105	78-128	2.19	20
Toluene	0.021	0.020	0.020	103	101	78-121	1.43	20
1,2,3-Trichlorobenzene	0.012	0.011	0.020	58	57	35-80	2.76	20
1,2,4-Trichlorobenzene	0.013	0.013	0.020	64	63	46-101	3.08	20
1,1,1-Trichloroethane	0.019	0.019	0.020	97	93	69-121	3.33	20
1,1,2-Trichloroethane	0.020	0.018	0.020	98	89	64-104	10.5	20
Trichloroethene	0.020	0.019	0.020	99	95	73-118	3.97	20
Trichlorofluoromethane	0.017	0.017	0.020	87	84	31-119	4.35	20
1,2,3-Trichloropropane	0.0092	0.0095	0.010	92	95	65-107	2.72	20
1,2,4-Trimethylbenzene	0.023	0.023	0.020	116	117	80-147	0.966	20
1,3,5-Trimethylbenzene	0.024	0.024	0.020	120	121	83-156	0.747	20
Vinyl Chloride	0.0064	0.0062	0.010	64	62	40-125	3.78	20
m,p-Xylene	0.041	0.041	0.040	104	101	80-122	2.28	20
o-Xylene	0.020	0.020	0.020	102	100	79-116	1.54	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Prepared:	7/17/19	**BatchID:**	181765
Date Analyzed:	7/17/19 - 7/22/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181765

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.10	0.10	0.12	81	82	66-112	0.803	20
Toluene-d8	0.11	0.11	0.12	86, F3	86, F3	92-109	0	20
4-BFB	0.011	0.011	0.012	86	86	72-112	0	20
Benzene-d6	0.084	0.084	0.10	84	84	81-126	0	20
Ethylbenzene-d10	0.093	0.093	0.10	93	93	92-138	0	20
1,2-DCB-d4	0.073	0.072	0.10	73	72	68-108	0.559	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Prepared:	7/17/19	**BatchID:**	181765
Date Analyzed:	7/17/19 - 7/22/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181765

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	0.25	0.25	-	-	-
Surrogate Recovery						
Dibromofluoromethane	0.12			0.12	99	70-130
Benzene-D6	0.12			0.10	123	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(g) (C6-C12)	1.2	1.1	1	116	107	67-117	8.29	20
Surrogate Recovery								
Dibromofluoromethane	0.12	0.12	0.12	99	100	87-127	0.623	20
Benzene-D6	0.13	0.12	0.10	134, F3	123	67-131	9.14	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Prepared:	7/17/19	**BatchID:**	181784
Date Analyzed:	7/17/19 - 7/18/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181784

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.094	0.50	-	-	-
Arsenic	ND	0.14	0.50	-	-	-
Barium	ND	0.97	5.0	-	-	-
Beryllium	ND	0.072	0.50	-	-	-
Cadmium	ND	0.058	0.25	-	-	-
Chromium	ND	0.092	0.50	-	-	-
Cobalt	ND	0.056	0.50	-	-	-
Copper	ND	0.069	0.50	-	-	-
Lead	ND	0.094	0.50	-	-	-
Mercury	0.0055,J	0.0050	0.050	-	-	-
Molybdenum	ND	0.23	0.50	-	-	-
Nickel	ND	0.072	0.50	-	-	-
Selenium	ND	0.13	0.50	-	-	-
Silver	ND	0.055	0.50	-	-	-
Thallium	ND	0.10	0.50	-	-	-
Vanadium	ND	0.064	0.50	-	-	-
Zinc	ND	1.4	5.0	-	-	-
Surrogate Recovery						
Terbium	490			500	99	70-130

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Prepared:	7/17/19	**BatchID:**	181784
Date Analyzed:	7/17/19 - 7/18/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181784

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	48	49	50	97	99	75-125	1.70	20
Arsenic	49	49	50	98	99	75-125	1.12	20
Barium	490	490	500	98	98	75-125	0	20
Beryllium	49	50	50	97	100	75-125	2.56	20
Cadmium	47	48	50	94	95	75-125	0.823	20
Chromium	48	48	50	96	97	75-125	0.832	20
Cobalt	47	47	50	94	95	75-125	1.34	20
Copper	49	50	50	98	100	75-125	2.12	20
Lead	46	47	50	93	94	75-125	1.05	20
Mercury	1.2	1.2	1.25	98	100	75-125	1.21	20
Molybdenum	48	48	50	96	97	75-125	1.29	20
Nickel	49	50	50	98	101	75-125	2.19	20
Selenium	48	49	50	96	97	75-125	1.87	20
Silver	47	48	50	94	95	75-125	1.68	20
Thallium	46	47	50	93	94	75-125	1.14	20
Vanadium	48	48	50	96	97	75-125	1.43	20
Zinc	480	500	500	97	100	75-125	3.02	20
Surrogate Recovery								
Terbium	490	500	500	98	100	70-130	2.19	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Prepared:	7/17/19	**BatchID:**	181839
Date Analyzed:	7/18/19 - 7/19/19	**Extraction Method:**	SW1311/SW3010
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181839

QC Summary Report for Metals (TCLP)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	9.6	9.5	10	96	95	75-125	1.26	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Prepared:	7/17/19	**BatchID:**	181841
Date Analyzed:	7/19/19 - 7/20/19	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181841

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.10	0.10	-	-	-
Nickel	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	9.8	9.8	10	98	98	75-125	0	20
Nickel	9.6	9.7	10	96	97	75-125	0.269	20

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Quality Control Report

Client:	Ninyo & Moore	**WorkOrder:**	1907816
Date Prepared:	7/17/19	**BatchID:**	181785
Date Analyzed:	7/17/19 - 7/18/19	**Extraction Method:**	SW3550B
Instrument:	GC6B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	403539001; Comstock Commons	**Sample ID:**	MB/LCS/LCSD-181785

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	23			25	93	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	42	41	40	105	103	75-128	1.96	30
Surrogate Recovery								
C9	23	23	25	91	90	72-122	0.609	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1907816 **ClientCode: NMO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Aubrey Cool
Ninyo & Moore
2020 Challenger Drive, Suite 103
Alameda, CA 94501
(510) 343-3000 FAX: (510) 633-5646

Email: acool@ninyoandmoore.com
cc/3rd Party:
PO:
Project: 403539001; Comstock Commons

Bill to:
Accounts Payable
Ninyo & Moore
2020 Challenger Drive, Suite 103
Alameda, CA 94501
nmaccountspayable@ninyoandmoore.c

Requested TAT: 5 days;

Date Received: **07/17/2019**
Date Logged: **07/17/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1907816-001	D1	Soil	7/17/2019 12:29	☐	A	A	A	A	A	A						

Test Legend:

1	8260B_S	2	8260GAS_S	3	CAM17MS_TTLC_S	4	CRMS_TCLP_S
5	METALSMS_STLC_S	6	TPH(DMO)_S	7		8	
9		10		11		12	

Project Manager: Jennifer Lagerbom **Prepared by: Kena Ponce**

The following SampID: 001A contains testgroup Gas8260_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: NINYO & MOORE
Client Contact: Aubrey Cool
Contact's Email: acool@ninyoandmoore.com

Project: 403539001; Comstock Commons
Comments:

Work Order: 1907816
QC Level: 1229
Date Logged: 7/17/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1907816-001A	D1	Soil	SW8015B (Diesel & Motor Oil)	1	16OZ GJ, Unpres	☐	7/17/2019 12:29	5 days		☐	
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐		5 days*		☐	
			SW6020 (Chromium) (TCLP)			☐		5 days*		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
			TPH(g) & 8260 by P&T GCMS			☐		5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC MAI Work Order # 1907816

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush		2 Day Rush		3 Day Rush		STD	✓	Quote #	
J-Flag / MDL		ESL		Cleanup Approved				Bottle Order #	
Delivery Format:	PDF	✓	GeoTracker EDF		EDD		Write On (DW)		EQuIS

Report To:	Aubrey Cool	Bill To:	Aubrey Cool
Company:	Ninyo and Moore		
Email:	a Cool@ninyoandmoore.com		
Alt Email:		Tele:	510.343 3000
Project Name:	# Comstock Commons	Project #:	~~403320300T~~
Project Location:	200 San Marin	PO #	403539001
Sampler Signature:	[signature]		

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs) + TPHg	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	STLC Cr + Ni	TCLP Cr		
D1	07/17/19	1229	1	Soil	N/A		X							X			X				X	X		

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Ninyo & Moore	7/17/19	1:57	[signature]	7/17/19	1357

Comments / Instructions

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 2.0 °C Initials

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Sample Receipt Checklist

Client Name: **Ninyo & Moore**
Project: **403539001; Comstock Commons**

WorkOrder №: **1907816** Matrix: Soil
Carrier: Client Drop-In

Date and Time Received: **7/17/2019 13:57**
Date Logged: **7/17/2019**
Received by: Kena Ponce
Logged by: Kena Ponce

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

2020 Challenger Drive, Suite 103 | Alameda, California 94501 | p. 510.343.3000

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