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Phase II Environmental Site Assessment

Prepared for
Microsoft Corporation

07USW
350 West Trimble Road
San Jose, California

Project No. 127712
Revision 1
2/10/2021

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prepared by

Burns & McDonnell Engineering Company, Inc.
Los Angeles, California

EXECUTIVE SUMMARY

This Executive Summary Does Not Fully Summarize Findings and Opinions Findings and Opinions Are Related Through the Full Report Only

Burns & McDonnell Engineering Company, Inc. (Burns & McDonnell) was retained by Microsoft Corporation (Microsoft), to conduct a Phase II Environmental Site Assessment (ESA) of the property located at 350 West Trimble Road, San Jose, Santa Clara County, California 95131 (the Property or the Site). The Property is located in Section 26, Township 6S, Range 1W as shown on the 2012 Milpitas, San Jose West, California U.S. Geological Survey (USGS) topographic map. A Property vicinity map showing the Property and the surrounding area is provided in Figure 1.

The Phase II ESA was conducted to investigate *Recognized Environmental Conditions* identified by Burns & McDonnell during the completion of a Phase I ESA for the Site. The Phase I ESA report was finalized on December 14, 2020 and found no indication of former industrial or waste disposal activities on the Site. Based on the information obtained during the Phase I ESA, Burns & McDonnell identified the following four (4) offsite *Recognized Environmental Conditions*:

- The Orchard Parkway Phase II CPS-SLIC site is adjacent and located north-northeast of the Property. The site is listed as "Open – Verification Monitoring" as of 2017. Site history indicates that lead, arsenic, and organochlorine pesticides were reported and thought to be associated to previous agricultural land use. As this site is located adjacent to the Property and the parcels were at one point shared agricultural land, it is assumed that similar fertilizer, pesticide, and herbicide use was present on the Property. The suspected use of arsenical pesticides on the Property is considered a *Recognized Environmental Condition.*
- Agilent Technologies, Inc. is located adjacent to the Property. The site is listed as a former diesel spill from a leaking underground storage tank reported in 2000 with a completed, case closure in 2003. There were also several spills detected that entered storm drains – one chemical spill of water with 0.1% sodium hypochlorite and one water spill with pH 6.0 from a broken ozone treatment pipe in 1994. The site is also listed as "Inactive – Needs Evaluation" on the ENVIROSTOR database, but the database provides no additional information. Due to the proximity to the Property and former environmental releases, this site is considered a *Recognized Environmental Condition.*
- The Hewlett Packard Microwave Semiconductor facility is located adjacent to the Property to the north. Details about the site indicate that the site does not qualify for the National Priority List based on existing information. The site is also listed as a Non-Generator/No Longer Regulated

facility under Avago Technologies US Inc. Historically, the site was listed as a Large Quantity Generator under the name Avago Technologies Wireless in 1990, 1994, 1996, 1999, 2000, 2002, 2004, and 2005 and waste included spent halogenated solvents, ignitable waste, corrosive waste, reactive waste, arsenic, chromium, lead, mercury, silver, nonhalogenated solvents, spent cyanide plating, plating bath residues, spent stripping and cleaning bath solutions, cyanides, cyclohexanone, and hydrofluoric acid or hydrogen fluoride. The facility received notices of violation in 1994, 1995, 2000, and 2005, and compliance evaluation inspections reported a return to compliance within the same year. The presence of these chemicals on adjacent land may have resulted in impacts to groundwater, thus considering this site a *Recognized Environmental Condition*.

- Lumileds LLC is located adjacent to and north of the Property. The site name on the ENVIROSTOR database is also listed as Agilent Technologies, both listed with a status of "Inactive – Needs Evaluation". The site is listed as a RCRA LQG and has an active NPDES permit since 2015 for waste discharge. The site is listed as an industrial storm water facility and has received several violations from the Santa Clara County Environmental Health department for hazardous materials storage, testing and inspections, but have returned to compliance within two months of each violation. The facility is listed as a large quantity hazardous waste generator, that treats hazardous waste on site. Hazardous wastes include, but are not limited to, arsenic, cadmium, chromium, lead, mercury, selenium, and other plating related wastes. Based on proximity and the various compliance issues, including hazardous material spills, reported by the Santa Clara County Environmental Health department , this site is considered a *Recognized Environmental Condition*.

The above issues identified in the Phase I ESA report were investigated during the Phase II ESA through the advancement of soil borings as described in the following paragraphs. Boring locations are illustrated on Figure 2.

- Five borings (SP-1 through SP-5) were advanced to investigate the impacts of historical use of arsenical pesticides on adjacent lands; documented spills, including a diesel underground storage tank and 0.1% sodium hypochlorite, on adjacent land; a Large Quantity Generator with wastes including halogenated solvents, chromium, cyclohexane, cyanides, and arsenic on adjacent land; and an adjacent Large Quantity Generator that treats hazardous waste onsite and has received several violations. The soil and groundwater samples from these locations were analyzed for total petroleum hydrocarbons (TPH) as diesel range organics (DRO), TPH as oil range organics

(ORO), TPH as gasoline range organics (GRO), volatile organic compounds (VOCs), and metals at four (4) depths up to 20 feet below ground surface (bgs) and pesticides at the surface.

- Three borings (SP-6 through SP-8) were advanced to investigate the impacts of historical use of arsenical pesticides on adjacent lands. The soil samples from these locations were analyzed for pesticides.

Phase II sampling confirmed the presence of arsenic in soil on the property and the presence of metals in groundwater on the property. Phase II sampling did not find evidence of contamination from the documented spills of diesel fuel and 0.1% sodium hypochlorite. Phase II sampling did not reveal the presence of additional contaminants beyond arsenic in soil and metals in groundwater.

Of all the chemicals analyzed in soil, only arsenic had concentrations exceeding the San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for direct exposure human health, residential and commercial/industrial, shallow soil exposure. The soil arsenic detections range from not detected to 9.2 milligrams per kilogram (mg/kg) at SP-2 at a depth of 10 feet bgs (SP2-D10). Soil background studies conducted regionally indicate that these concentrations are within background levels. One Bay Area study (Duverge, 2011) reported background arsenic levels at three sites in San Jose within Holocene alluvium—similar to the subject property—with arsenic concentrations ranging from not detected to 11 mg/kg. This concentration was also the same value as the upper-bound estimate of background arsenic in the Bay Area as a whole. Another study in the northern part of Santa Clara Valley (Scott, 1991) found that background arsenic levels ranged from not detected to 10 mg/kg at depths up to 33 feet, comparable to the depth range of the samples collected for this property. Thus, the arsenic detections from site soils are considered to be within background levels for the area and do not need further investigation.

Of the chemicals analyzed in the five groundwater samples, ten (10) metals exceeded California maximum contaminant limits (MCLs) for groundwater or the risk-based groundwater ESLs. Antimony only had one exceedance and beryllium had two exceedances out of the five samples and the concentrations are near their respective MCL/ESL, which means the point exceedances are not reflective of the groundwater as a whole. The other metals, namely arsenic, chromium, cobalt, lead, nickel, thallium, vanadium, and mercury, had four or five exceedances each, reporting limits exceeding their MCL/ESL, and/or concentrations substantially higher than the MCL/ESL. The Phase II groundwater samples were grab samples collected from open soil borings, and the concentrations of metals may be biased high due to the presence of suspended soil in the groundwater samples. The metals detected in the laboratory analyses may have been a component of the suspended soil particles rather than dissolved in

the groundwater. This perspective is supported by the detections of the same metals in groundwater as in soil, with the exception of thallium.

A review of available documents for adjacent offsite properties, including the *Recognized Environmental Conditions* described above, that either were or are under regulatory oversight did not reveal data for concentrations of metals in groundwater. These sites were regulated for petroleum hydrocarbon (underground storage tanks) or chlorinated hydrocarbon (e.g., TCE, PCE) releases only, and metals were not identified as constituents of concern. Thus, groundwater monitoring data, where available, did not include metals analysis.

Groundwater is expected to flow generally southwest towards the Guadalupe River. Adjacent lands with industrial activity were identified primarily to the north and northeast of the site, which may be upgradient because the Guadalupe River does meander from west of the site toward the north. However, without supporting subsurface data, onsite groundwater flow directions are uncertain. With no onsite potential sources being identified in the Phase I investigation, boring locations were positioned at the northern perimeter of the site (Figure 2) to identify whether offsite groundwater contaminants were migrating onto the site. However, there was little difference in detections and exceedances between the perimeter groundwater data (SP-1, SP-2, SP-3, SP-4) and the onsite groundwater data (SP-5). Two of the *Recognized Environmental Conditions* had plating operations on adjacent land, which may be a potential source of metals in groundwater

Additionally, as documented in the Site Due Diligence (SDD) report (Burns & McDonnell et al., 2021), potable water use (for tap water) at the site comes from the San Jose Municipal Water System (SJMWS), which is owned and operated by the City of San Jose. The site is located in the North San Jose service area, which supplies a blend of imported surface water and deep groundwater from two offsite permitted wells. This source can serve the tap water needs of the site, but other sources are given in the SDD to meet the datacenter's cooling water needs. Given these conditions, workers and other site users of future developments would be using tap water supplied from SJMWS, which would be subject to meeting drinking water quality requirements, and would not be exposed to onsite groundwater. Should onsite groundwater be extracted to meet the cooling water needs, it would most likely be chemically treated to address scaling, corrosion and biofouling concerns, and standard occupational health protocols (e.g., personal protective equipment) would be expected to protect workers and visitors from cooling water exposures. Finally, future construction workers involved in property redevelopment could encounter shallow groundwater, but if they are suitably trained (e.g., OSHA hazardous materials training) and equipped (e.g., personal protective equipment), exposures could be mitigated.

To summarize:

- The Phase I Environmental Site Assessment did not identify industrial or hazardous materials activities on the Site. Onsite agricultural use with pesticides applications was identified.
- The Phase I identified four (4) *Recognized Environmental Conditions* at offsite, adjacent lands. A Phase II Environmental Site Assessment was conducted to evaluate the potential impact from these sites. Based on the results of the Phase II sampling, two of the four *Recognized Environmental Conditions* are still applicable – the Hewlett Packard Microwave Semiconductor and Lumileds LLC facilities, as described below:
    - Of all the chemicals analyzed in the soil samples, only arsenic was present at concentrations exceeding risk-based screening levels, but these detections were found to be within regional background levels and not indicative of site activities.
    - An offsite, adjacent plating facility may be contributing to the ten (10) metals in groundwater exceeding their respective screening levels, but onsite data seem to indicate the metals may be related to natural concentrations in onsite soils and not dissolved in groundwater.
- Given the planned use of the site, future commercial/industrial workers at the site likely will not be exposed to onsite, untreated groundwater. Future construction workers involved in site redevelopment activities should be protected with required training (e.g., OSHA HAZWOPER certified), protocols and equipment (e.g., personal protective equipment).

For these reasons, no further evaluation of this site is recommended. Should future site conditions or development plans change, this conclusion may need to be revisited.

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LIST OF ABBREVIATIONS

Abbreviation	Term/Phrase/Name
bgs	Below ground surface
Burns & McDonnell	Burns & McDonnell Engineering Company, Inc.
Cascade	Cascade Drilling L.P.
CPS-SLIC	Cleanup Program Sites, formerly known as Spills, Leaks, Investigations, and Cleanups
CPT	Cone Penetration Test
DRO	Diesel Range Organics
ELAP	Environmental Laboratory Accreditation Program
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
ESL	Environmental Screening Level
GPRS	Ground Penetrating Radar Systems, LLC
GRO	Gasoline Range Organics
LCS	Laboratory Control Sample
LQG	Large Quantity Generator
MCL	Maximum contaminant level
MDL	Method Detection Limit
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
Microsoft	Microsoft Corporation
MS	Matrix Spike
MSD	Matrix Spike Duplicate

Abbreviation	Term/Phrase/Name
MTBE	Methyl tert-butyl ether
NPDES	National Pollutant Discharge Elimination System
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCE	Tetrachloroethylene
PG&E	Pacific Gas and Electric Company
PQL	Practical Quantitation Limit
QA/QC	Quality assurance and quality control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
RWQCB	San Francisco Bay Regional Water Quality Control Board
S&HP	Safety & Health Plan
SDD	Site Due Diligence
SJMWS	San Jose Municipal Water System
SWRCB	California State Water Resources Control Board
TCE	Trichloroethylene
Terracon	Terracon Consultants, Inc.
TPH	Total Petroleum Hydrocarbons
USA	Underground Service Alert
USGS	U.S. Geological Survey
VOC	Volatile organic compounds

1.0 INTRODUCTION

At the request of Microsoft Corporation (Microsoft), Burns & McDonnell Engineering Company, Inc. (Burns & McDonnell) conducted a Phase II Environmental Site Assessment (ESA) of property located at 350 West Trimble Road in San Jose, Santa Clara County, California 95131 (the Property or the Site). The Property is approximately 22 acres. The Property is part of a larger parcel (APN: 101-02-014) that contains two buildings located at 350 and 370 West Trimble Road. While the Property shares the same address as this northern portion of the parcel, this investigation only addresses the southern half of the parcel, which is currently a vacant, undeveloped lot. Prior to 1982, the Property had been used for agricultural purposes since the 1930s. The U.S. Geological Survey (USGS) topographic map showing the Property location and the surrounding area is in Figure 1.

The focus of the ESA was to investigate the *Recognized Environmental Conditions* identified by Burns & McDonnell as part of the Phase I ESA dated December 14, 2020.

1.1 Objectives

The Phase II ESA was conducted to investigate *Recognized Environmental Conditions* identified by Burns & McDonnell during the completion of a Phase I ESA for the Site. The Phase I ESA report was finalized on December 14, 2020 and found no indication of former industrial or waste disposal activities on the Site. Based on the information, obtained during the Phase I ESA, Burns & McDonnell identified the following four (4) offsite *Recognized Environmental Conditions*:

- The Orchard Parkway Phase II CPS-SLIC site is adjacent and located north-northeast of the Property. The site is listed as "Open – Verification Monitoring" as of 2017. Site history indicates that lead, arsenic, and organochlorine pesticides were reported and thought to be associated to previous agricultural land use. As this site is located adjacent to the Property and the parcels were at one point shared agricultural land, it is assumed that similar fertilizer, pesticide, and herbicide use was present on the Property. The suspected use of arsenical pesticides on the Property is considered a *Recognized Environmental Condition*.
- Agilent Technologies, Inc. is located adjacent to the Property. The site is listed as a former diesel spill from a leaking underground storage tank reported in 2000 with a completed, case closure in 2003. There were also several spills detected that entered storm drains – one chemical spill of water with 0.1% sodium hypochlorite and one water spill with pH 6.0 from a broken ozone treatment pipe in 1994. The site is also listed as "Inactive – Needs Evaluation" on the ENVIROSTOR database, but the database provides no additional information. Due to the

proximity to the Property and former environmental releases, this site is considered a *Recognized Environmental Condition*.

- The Hewlett Packard Microwave Semiconductor facility is located adjacent to the Property to the north. Details about the site indicate that the site does not qualify for the National Priority List based on existing information. The site is also listed as a Non-Generator/No Longer Regulated facility under Avago Technologies US Inc. Historically, the site was listed as a Large Quantity Generator under the name Avago Technologies Wireless in 1990, 1994, 1996, 1999, 2000, 2002, 2004, and 2005 and waste included spent halogenated solvents, ignitable waste, corrosive waste, reactive waste, arsenic, chromium, lead, mercury, silver, nonhalogenated solvents, spent cyanide plating, plating bath residues, spent stripping and cleaning bath solutions, cyanides, cyclohexanone, and hydrofluoric acid or hydrogen fluoride. The facility received notices of violation in 1994, 1995, 2000, and 2005, and compliance evaluation inspections reported a return to compliance within the same year. The presence of these chemicals on adjacent land may have resulted in impacts to groundwater, thus considering this site a *Recognized Environmental Condition*.
- Lumileds LLC is located adjacent to and north of the Property. The site name on the ENVIROSTOR database is also listed as Agilent Technologies, both listed with a status of "Inactive – Needs Evaluation". The site is listed as a RCRA LQG and has an active NPDES permit since 2015 for waste discharge. The site is listed as an industrial storm water facility and has received several violations from the Santa Clara County Environmental Health department for hazardous materials storage, testing and inspections, but have returned to compliance within two months of each violation. The facility is listed as a large quantity hazardous waste generator, that treats hazardous waste on site. Hazardous wastes include, but are not limited to, arsenic, cadmium, chromium, lead, mercury, selenium, and other plating related wastes. Based on proximity and the various compliance issues, including hazardous material spills, reported by the Santa Clara County Environmental Health department , this site is considered a *Recognized Environmental Condition*.

The above issues identified in the Phase I ESA report were investigated during the Phase II ESA through the advancement of soil borings as described in the following paragraphs. Boring locations are illustrated on Figure 2.

- Five borings (SP-1 through SP-5) were advanced to investigate the impacts of historical use of arsenical pesticides on adjacent lands; documented spills, including a diesel underground storage tank and 0.1% sodium hypochlorite, on adjacent land; a Large Quantity Generator with wastes

including halogenated solvents, chromium, cyclohexane, cyanides, and arsenic on adjacent land; and an adjacent Large Quantity Generator that treats hazardous waste onsite and has received several violations. The soil and groundwater samples from these locations were analyzed for total petroleum hydrocarbons (TPH) as diesel range organics (DRO), TPH as oil range organics (ORO), TPH as gasoline range organics (GRO), volatile organic compounds (VOCs), and metals at four (4) depths up to 20 feet below ground surface (bgs) and pesticides at the surface.

- Three borings (SP-6 through SP-8) were advanced to investigate the impacts of historical use of arsenical pesticides on adjacent lands. The soil samples from these locations were analyzed for pesticides.

1.2 Scope of Work

The Phase II investigation was conducted in November 2020 and included the following scope of work:

- Contacted Underground Service Alert (USA) of Northern California to complete public locates and Ground Penetrating Radar Systems, LLC (GPRS) to complete private locates to identify and mark underground utilities.
- Coordinated with the property owner and subcontractors.
- Advanced five (5) borings using a GeoProbe® drill rig operated by Cascade Drilling L.P. (Cascade), a California C-57 licensed drilling contractor, to a maximum depth of approximately 20 feet bgs.
    - Hand augered down to 5 ft bgs for utility clearance prior to drilling with a Geoprobe rig.
    - Collected sample at approximately 2 feet bgs for pesticide analysis.
    - Collected samples at approximately 5, 10, 15, and 20 feet bgs for VOCs, TPH, and metals analyses.
    - Groundwater was encountered at an average of 15 feet bgs; groundwater grab samples were collected.
- Three (3) additional locations were hand augured to approximately 2 feet bgs and sampled for pesticides.
- Logged soil conditions in the field according to defined characteristics (e.g., stratigraphy, texture, structure, color) and sampled representative locations and depths, adhering to quality assurance and quality control (QA/QC) procedures to minimize the potential for cross contamination. Also noted any visual or olfactory evidence of contamination, if present.

- Submitted representative soil samples under chain-of-custody procedures to Asset Laboratories of Cerritos, California, an offsite laboratory accredited by the California Department of Public Health, Environmental Laboratory Accreditation Program (ELAP), for analysis.
- Prepared this report summarizing the methodology and results of the program.

1.3 Report Structure

The Phase II ESA report is structured to present the details of this investigation in the following order:

- Section 2 provides the Site description and background information
- Section 3 outlines the Phase II ESA methodology
- Sections 4 and 5 documents the site setting and results and findings of the field investigation
- Section 6 provides the conclusions

2.0 SITE DESCRIPTION AND BACKGROUND

2.1 Site Location

The Property is located at 350 West Trimble Road in San Jose, Santa Clara County, California 95131. The Property consists of approximately 22 acres of land. It is bounded by Trimble Road to the north, Orchard Parkway to the east, Component Drive and an office building and parking lot to the south, and the Guadalupe River directly adjacent to the west. The northern part of the parcel is partially developed with as an industrial park, with two buildings and parking, but the Property is vacant, undeveloped land. The USGS topographic map showing the Property location and the surrounding area is in Figure 1.

2.2 Background

A Phase I ESA was completed by Burns & McDonnell to identify *Recognized Environmental Conditions* associated with the current and historical usage of the Property and adjoining land, nearby off-site sources of potential impact, and the potential environmental impact on the Property from surrounding conditions or activities. The Property is currently vacant land. According to the City of San Jose Land Use Zoning, the Property is zoned as Planned Development (Industrial Park Base District). The current legal title holder of the Property, LBA RVI-Company I LP (alternatively LBA Realty), acquired the Property in 2017. The Site is fully covered with grass and weeds that have been recently mowed. There are trees present in the northwest perimeter abutting the Lumileds LLC southern parking area and on the west center perimeter.

The only structures on the Site are electrical towers supporting overhead power lines that are part of the PG&E easement. There is a metal pipe/fitting of unknown use located in the northeast corner of the Site. A property fence is present on Orchard Dr. between the Site and the adjacent property to the southwest and along the western perimeter. No other fencing is present. There are no stormwater or sanitary sewer catch basins or inlets on the Site. Additionally, there is a subsurface jet fuel line present at the southwest corner of the Site.

A review of aerial photographs, owner interview, etc. found that there was no evidence of any historic building structures on the property, and it appeared to be solely for agricultural purposes until 1974. In 1982, the Hewlett Packard Microwave Semiconductor facility was developed on the adjacent land north of the Property. The subject Property remained undeveloped, as it is today.

The Phase I ESA identified four *Recognized Environmental Conditions* in connection with the Property as described in Section 1.1.

Additional background information is available in the Site Due Diligence (SDD) report (Burns & McDonnell et al., 2021).

3.0 METHODOLOGY

The Phase II ESA field work was completed by Burns & McDonnell on November 11 and 12, 2020. Each of the field program elements are described in detail in the following sections.

3.1 Regulatory Standards

The San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs; RWQCB, 2019) were selected to assess the soil and groundwater analytical results obtained during the investigations at the subject Property. Per the RWQCB, the ESLs provide conservative screening levels, intended to help expedite the identification and evaluation of potential environmental concerns at contaminated sites. If soil or groundwater ESLs were not available, the United States Environmental Protection Agency (EPA) Regional Screening Levels (RSLs; EPA, 2020) were selected.

For soil, the residential and commercial/industrial ESLs for Direct Exposure Human Health Risk Levels were selected. Values are available for both cancer risk and non-cancer hazard endpoints, and the lower of the two was selected. For chemicals with no ESLs, the residential and industrial soil RSLs based on a target cancer risk of 10^{-6} and target hazard quotient of 1, were selected.

For groundwater, the ESLs for Direct Exposure Human Health Risk Levels were selected. Values are available for maximum contaminant level (MCL) as the priority, tapwater cancer risk, and tapwater non-cancer risk. MCLs were selected and updated with current California MCLs (State Water Resources Control Board [SWRCB], 2020). If an MCL was not available, the lower of the tapwater cancer risk and tapwater non-cancer hazard was selected. If tapwater ESLs also were not available, then the EPA tapwater RSLs were selected.

3.2 Health and Safety

Burns & McDonnell held daily tailgate safety meetings which covered potential hazards, recommendations for personal protective equipment, a route to the nearest hospital, appropriate emergency contacts, and safety protocols – prior to field tasks commencing, and as conditions or scope of work changed.

3.3 Subsurface Utility Clearance

Prior to drilling, Burns & McDonnell notified USA of Northern California and additionally subcontracted GPRS to perform a subsurface survey at the drilling locations for the presence of subsurface utilities and obstructions. Utility clearance activities, including the ticket number, utilities notified, and the names of persons granting utility clearance were documented.

Although subsurface utilities are present at the Site and in the vicinity of the borings, subsurface utilities were not encountered during the investigation.

3.4 Direct-Push Drilling Activities

Cascade, a California C-57 licensed drilling contractor, performed drilling activities. Cascade advanced five (5) borings to a total depth of 20 feet bgs on November 12, 2020 under the oversight of a Burns & McDonnell environmental scientist.

At each boring location, the top 5 feet were advanced with a hand auger prior to drilling to the planned maximum depth of 20 feet bgs with a GeoProbe® drill rig operated by Cascade. Soil samples were collected for observation and geologic logging. Appendix C contains copies of the boring logs.

Cascade performed boring backfilling with native soil.

3.5 Soil Sampling

Burns & McDonnell collected soil samples from eight (8) soil borings on November 12, 2020. Five (5) direct-push borings were advanced to characterize TPH, VOCs, metals, and pesticides at specific onsite locations chosen based on the *Recognized Environmental Conditions* that had potentially impacted the soil, and three (3) additional soil samples were collected via hand augur borings at a depth of 1 to 2 feet bgs to characterize pesticides that may have been in use across the entire Site. Soil samples in the five (5) drilled borings were collected at depth of approximately 2, 5, 10, 15, and 20 feet bgs. Soil samples were collected in laboratory-supplied containers, uniquely labeled, and placed in an insulated ice-filled cooler pending transfer to the analytical laboratory under Chain-of-Custody documentation. The soil sample locations are shown on Figure 2; analytical results are discussed in Section 5.0 below.

Asset Laboratories of Cerritos, California, an offsite laboratory accredited by the California Department of Public Health ELAP, provided soil analytical services. Appendix A contains copies of the laboratory analytical reports.

Soil samples were analyzed for the following:

- TPH-GRO, -DRO, and -ORO using EPA Method 8015B;
- VOCs including fuel oxygenates using EPA Method 8260B;
- Organochlorine pesticides using EPA Method 8081A;
- Total mercury using EPA Method 7471A; and
- Total metals using EPA Method 6010B.

3.6 Groundwater Sampling

Prior to backfilling the five (5) direct-push borings, grab groundwater samples were collected. Grab groundwater samples were collected using a peristaltic pump with dedicated, disposable tubing. Groundwater samples were collected in laboratory-supplied containers, uniquely labeled, and placed on ice an insulated cooler pending transfer to the analytical laboratory under Chain-of-Custody documentation.

Grab groundwater samples were analyzed for the following:

- TPH-GRO, -DRO, and -ORO using EPA Method 8015B;
- VOCs including fuel oxygenates using EPA Method 8260B;
- Total mercury using EPA Method 7470A; and
- Total metals using EPA Method 6010B.

3.7 Quality Assurance and Quality Control

Burns & McDonnell implemented QA/QC procedures to collect accurate, precise, and representative samples. Field personnel cleaned reusable drilling and sampling equipment prior to use to reduce the potential for cross contamination. Cascade decontaminated bits, casing, sample barrels, rods, and other downhole implements used during drilling prior to use at each boring location.

4.0 SITE SETTING

According to the 2012 USGS Milpitas, San Jose West, California quadrangle topographic map (refer to Figure 1), the Property lies at approximately 20 feet above mean sea level and the topography of the area of the Property is relatively flat with one small hill on the northern section of the Property. The surface elevation of the Property varies from approximately 20 to 37 feet. Surface water drainage for the Property area is generally southwest towards the Guadalupe River.

4.1 Geology

Based on information gathered for the SDD report through review of publicly available geologic and topographic maps and geotechnical investigation by Terracon Consultants, Inc. (Terracon), geologic maps indicate subsurface conditions consist of Holocene-age alluvial gravel, sand, and clay, and include alluvial fan and levee deposits. Subgrade soils encountered during field exploration generally consisted of 15 feet to 30 feet of lean to fat clay, with variable amounts of sand underlain by approximately 5 feet to 20 feet of sand with variable amounts of clay. The sand was followed by lean to fat clay to the maximum depth explored of 100½ feet bgs with a 15 foot to 25-foot thick layer of sand encountered at a depth of approximately 45 feet bgs (Burns & McDonnell et al., 2020; Terracon, 2020).

The Site is located within a liquefaction hazard zone and is mapped as being in an area with very high liquefaction susceptibility. The liquefaction evaluation conducted for the site indicates up to 2 inch of settlement could occur across the site due to liquefaction. The soil layers most susceptible to liquefaction were encountered between depths of approximately 10 feet to 35 feet bgs surface and approximately 46 feet to 60 feet bgs (Burns & McDonnell et al., 2020; Terracon, 2020).

The soil observed in the upper 20 feet during the Phase II ESA soil boring activities was generally consistent with this Site understanding. Boring logs are presented in Appendix C.

4.2 Hydrogeology

During Terracon's geotechnical investigation at the Site, groundwater was encountered at a depth of 5 feet to 25 feet bgs in site borings and 4 feet to 10 feet bgs in site Cone Penetration Test (CPT) borings at the time they were advanced (Terracon, 2020).

Based on the topography of the Property and surrounding area, groundwater is expected to flow generally southwest towards the Guadalupe River. Adjacent lands with industrial activity were identified primarily to the north and northeast of the site, which may be upgradient because the Guadalupe River does

meander from west of the site toward the north. However, without supporting subsurface data, onsite groundwater flow directions are uncertain.

5.0 RESULTS AND DISCUSSION

The analytical results are presented in Tables 1 through 7 with the findings summarized below. The laboratory analytical reports are presented in Appendix A. A photo log is presented in Appendix B.

5.1 Soil Analytical Results

For the purpose of assessment, soil analytical results were compared to RWQCB ESLs as described in Section 3.1. The soil samples did not exceed RWQCB ESLs, with the following exception:

- Arsenic was detected in 13 of 20 samples ranging from 0.55 J[1] milligrams per kilogram (mg/kg) to 9.2 mg/kg in SP-5 at a depth of 5 feet bgs (SP5-D5) and SP2-D10, respectively, all exceeding the RWQCB industrial ESL of 0.31 mg/kg.

The laboratory detection limit for the soil arsenic data, 0.54 mg/kg, was greater than industrial ESL, indicating that arsenic may be present in these samples at levels greater than the ESL but could not be quantified. However, because of the arsenic detections greater than the ESL, the overall site management approach is not affected by this unknown.

5.2 Groundwater Analytical Results

For the purpose of assessment, groundwater analytical results were compared to RWQCB ESLs, which prioritize California MCLs (see Section 3.1 for further discussion). The groundwater samples did not exceed RWQCB ESLs, with the following exception:

- Antimony was detected in 1 of 5 samples at 0.0073 J milligrams per liter (mg/L) in SP1, exceeding the MCL/ESL of 0.006 mg/L.
- Arsenic was detected in all 5 samples ranging from 0.014 mg/L to 0.025 mg/L in SP4 and SP1, respectively, exceeding the MCL/ESL of 0.01 mg/L.
- Beryllium was detected above the MCL/ESL of 0.004 mg/L in 2 of 5 samples ranging from 0.0043 mg/L to 0.0065 mg/L in SP1 and SP4, respectively.
- Chromium was detected above the MCL/ESL of 0.05 mg/L in 4 of 5 samples ranging from 0.051 mg/L to 0.11 mg/L in SP1 and SP5, respectively.
- Cobalt was detected in all 5 samples ranging from 0.038 mg/L to 0.11 mg/L in SP4 and SP1, respectively, exceeding the MCL/ESL of 0.006 mg/L.

[1] Estimated value, but still usable. Compound below the Practical Quantitation Limit (PQL) but above the Method Detection Limit (MDL)

- Lead was detected above the MCL/ESL of 0.015 mg/L in 4 of 5 samples ranging from 0.017 mg/L to 0.042 mg/L in SP5 and SP4, respectively.
- Nickel was detected above the MCL/ESL of 0.1 mg/L in 4 of 5 samples ranging from 0.13 mg/L to 0.21 mg/L in SP4 and SP1, respectively.
- Thallium was detected in 4 of 5 samples ranging from 0.0080 J mg/L to 0.012 J mg/L in SP2 and SP4, respectively exceeding the MCL/ESL of 0.002 mg/L.
- Vanadium was detected in all 5 samples ranging from 0.067 mg/L to 0.39 mg/L in SP1 and SP4, respectively, exceeding the MCL/ESL of 0.05 mg/L.
- Mercury was detected in 3 of 5 samples ranging from 0.15 J mg/L to 0.17 J mg/L in SP1 and SP3, respectively, exceeding the MCL/ESL of 0.002 mg/L.

The laboratory detection limits for the groundwater thallium (0.006 mg/L) and mercury (0.13 mg/L) data were greater than their industrial ESLs (0.002 mg/L and 0.002 mg/L, respectively), indicating that they may be present in these samples at levels greater than their respective ESL but could not be quantified. However, because of the other thallium and mercury detections greater than the ESL, the overall site management approach is not affected by this unknown.

5.3 Quality Assurance and Quality Control

Burns & McDonnell has reviewed the laboratory QA/QC data. Asset Laboratories performed evaluation and validation of the data, determining the overall quality of the analytical results was acceptable. Data were evaluated and data qualifiers were applied when required, for accuracy, precision, and representativeness for each type of analysis (see Appendix A).

Asset Laboratories made the following comments regarding the analyses:

- EPA 8081A (Organochlorine pesticides): Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery and Relative Percent Difference (RPD) criteria possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.
- EPA 6010B (Total metals): MS and MSD are outside recovery criteria on some analytes possibly due to matrix interference. The associated LCS recovery was acceptable.

EPA 8260B (VOCs): RPD for MS/MSD is outside criteria on analyte Methyl tert-butyl ether (MTBE); however, the analytical batch was validated by the LCS.

Based on the QA/QC results, Burns & McDonnell has determined that the data collected from the assessment are acceptable for use.

6.0 CONCLUSIONS

Based on the results of the Phase II ESA investigation of the *Recognized Environmental Concerns* identified in the Phase I ESA, sampling confirmed the presence of arsenic in soil on the property and the presence of metals in groundwater on the property. Phase II sampling did not find evidence of contamination from the documented spills of diesel fuel and 0.1% sodium hypochlorite. Phase II sampling did not reveal the presence of additional contaminants beyond arsenic in soil and metals in groundwater.

Of all the chemicals analyzed in soil, only arsenic had concentrations exceeding the San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for direct exposure human health, residential and commercial/industrial, shallow soil exposure. The soil arsenic detections range from not detected to 9.2 milligrams per kilogram (mg/kg) at SP-2 at a depth of 10 feet bgs (SP2-D10). Soil background studies conducted regionally indicate that these concentrations are within background levels. One Bay Area study (Duverge, 2011) reported background arsenic levels at three sites in San Jose within Holocene alluvium—similar to the subject property—with arsenic concentrations ranging from not detected to 11 mg/kg. This concentration was also the same value as the upper-bound estimate of background arsenic in the Bay Area as a whole. Another study in the northern part of Santa Clara Valley (Scott, 1991) found that background arsenic levels ranged from not detected to 10 mg/kg at depths up to 33 feet, comparable to the depth range of the samples collected for this property. Thus, the arsenic detections from site soils are considered to be within background levels for the area and do not need further investigation.

Of the chemicals analyzed in the five groundwater samples, ten (10) metals exceeded California maximum contaminant limits (MCLs) for groundwater or the risk-based groundwater ESLs. Antimony only had one exceedance and beryllium had two exceedances out of the five samples and the concentrations are near their respective MCL/ESL, which means the point exceedances are not reflective of the groundwater as a whole. The other metals, namely arsenic, chromium, cobalt, lead, nickel, thallium, vanadium, and mercury, had four or five exceedances each, reporting limits exceeding their MCL/ESL, and/or concentrations substantially higher than the MCL/ESL. The Phase II groundwater samples were grab samples collected from open soil borings, and the concentrations of metals may be biased high due to the presence of suspended soil in the groundwater samples. The metals detected in the laboratory analyses may have been a component of the suspended soil particles rather than dissolved in the groundwater. This perspective is supported by the detections of the same metals in groundwater as in soil, with the exception of thallium.

A review of available documents for adjacent offsite properties, including the *Recognized Environmental Conditions* described above, that either were or are under regulatory oversight did not reveal data for concentrations of metals in groundwater. These sites were regulated for petroleum hydrocarbon (underground storage tanks) or chlorinated hydrocarbon (e.g., TCE, PCE) releases only, and metals were not identified as constituents of concern. Thus, groundwater monitoring data, where available, did not include metals analysis.

Groundwater is expected to flow generally southwest towards the Guadalupe River. Adjacent lands with industrial activity were identified primarily to the north and northeast of the site, which may be upgradient because the Guadalupe River does meander from west of the site toward the north. However, without supporting subsurface data, onsite groundwater flow directions are uncertain. With no onsite potential sources being identified in the Phase I investigation, boring locations were positioned at the northern perimeter of the site (Figure 2) to identify whether offsite groundwater contaminants were migrating onto the site. However, there was little difference in detections and exceedances between the perimeter groundwater data (SP-1, SP-2, SP-3, SP-4) and the onsite groundwater data (SP-5). Two of the *Recognized Environmental Conditions* had plating operations on adjacent land, which may be a potential source of metals in groundwater

Additionally, as documented in the Site Due Diligence (SDD) report (Burns & McDonnell et al., 2021), potable water use (for tap water) at the site comes from the San Jose Municipal Water System (SJMWS), which is owned and operated by the City of San Jose. The site is located in the North San Jose service area, which supplies a blend of imported surface water and deep groundwater from two offsite permitted wells. This source can serve the tap water needs of the site, but other sources are given in the SDD to meet the datacenter's cooling water needs. Given these conditions, workers and other site users of future developments would be using tap water supplied from SJMWS, which would be subject to meeting drinking water quality requirements, and would not be exposed to onsite groundwater. Should onsite groundwater be extracted to meet the cooling water needs, it would most likely be chemically treated to address scaling, corrosion and biofouling concerns, and standard occupational health protocols (e.g., personal protective equipment) would be expected to protect workers and visitors from cooling water exposures. Finally, future construction workers involved in property redevelopment could encounter shallow groundwater, but if they are suitably trained (e.g., OSHA hazardous materials training) and equipped (e.g., personal protective equipment), exposures could be mitigated.

To summarize:

- The Phase I Environmental Site Assessment did not identify industrial or hazardous materials activities on the Site. Onsite agricultural use with pesticides applications was identified.
- The Phase I identified four (4) *Recognized Environmental Conditions* at offsite, adjacent lands. A Phase II Environmental Site Assessment was conducted to evaluate the potential impact from these sites. Based on the results of the Phase II sampling, two of the four *Recognized Environmental Conditions* are still applicable – the Hewlett Packard Microwave Semiconductor and Lumileds LLC facilities, as described below:
    - Of all the chemicals analyzed in the soil samples, only arsenic was present at concentrations exceeding risk-based screening levels, but these detections were found to be within regional background levels and not indicative of site activities.
    - An offsite, adjacent plating facility may be contributing to the ten (10) metals in groundwater exceeding their respective screening levels, but onsite data seem to indicate the metals may be related to natural concentrations in onsite soils and not dissolved in groundwater.
- Given the planned use of the site, future commercial/industrial workers at the site likely will not be exposed to onsite, untreated groundwater. Future construction workers involved in site redevelopment activities should be protected with required training (e.g., OSHA HAZWOPER certified), protocols and equipment (e.g., personal protective equipment).

For these reasons, no further evaluation of this site is recommended. Should future site conditions or development plans change, this conclusion may need to be revisited.

7.0 STATEMENT OF LIMITATIONS

This report is an instrument of service prepared by Burns & McDonnell for the exclusive use of Microsoft. In order to create a report on which Microsoft could rely, Burns & McDonnell worked closely with Microsoft in the development of the scope of service upon which all subsequent tasks have been based. No party other than Microsoft is permitted by Burns & McDonnell to rely on this instrument of Burns & McDonnell's service.

8.0 REFERENCES

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TABLES

TABLE 1
Soil Analytical Summary: VOCs
2020 Phase II Sampling Event
07USW Site, Santa Clara County, California

Sample ID	Lab Number	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1,2-Trichlorotrifluoroethane (Freon 113)	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane
Residential ESL[(a)]		**2,000**	**1,700,000**	**610**	**1,200**	**--**	**3,600**	**83,000**	**--**	**63,000[(1)]**	**23**	**24,000**	**300,000[(1)]**	**4.4**	**36**	**1,800,000**	**470**	**1,000**	**270,000[(1)]**	**--**	**1,600,000[(1)]**
Industrial ESL[(b)]		**8,900**	**7,300,000**	**2,700**	**5,100**	**--**	**16,000**	**350,000**	**--**	**930,000[(1)]**	**110**	**110,000**	**1,800,000[(1)]**	**59**	**160**	**9,400,000**	**2,100**	**4,400**	**1,500,000[(1)]**	**--**	**23,000,000[(1)]**
SP1-D5	N043035-002B	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	**1.8 J**	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP1-D10	N043035-003B	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP1-D15	N043035-004B	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP1-D20	N043035-005A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP2-D5	N043035-007A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP2-D10	N043035-008A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP2-D15	N043035-009A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP2-D20	N043035-010A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP3-D5	N043035-012A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP3-D10	N043035-013A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP3-D15	N043035-014A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP3-D20	N043035-015A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP4-D5	N043035-017A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP4-D10	N043035-018A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP4-D15	N043035-019A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP4-D20	N043035-020A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP5-D5	N043035-022A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP5-D10	N043035-023A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP5-D15	N043035-024A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26
SP5-D20	N043035-025A	<0.52	<0.40	<0.23	<0.46	<0.55	<0.44	<0.32	<0.32	<0.20	<0.47	<0.19	<0.12	<0.68	<0.37	<0.16	<0.32	<0.30	<0.55	<0.17	<0.26

Notes:

(a) San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for Residential: Shallow Soil Exposure, Table S-1, 2019 (Rev. 2)

(b) RWQCB ESLs for Commercial/Industrial: Shallow Soil Exposure, Table S-1, 2019 (Rev. 2)

(1) RWQCB ESL not defined. For comparison use EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) November 2020

-- RWQCB ESL and EPA RSL not defined

Samples collected November 12, 2020

All results in micrograms per kilogram (µg/Kg), using EPA Method 8260B

SP1-D5 Boring Location SP-1 Boring Location SP-1 at a depth of approximately 5 feet below ground surface

< Compound was not detected above the indicated laboratory Method Detection Limit (MDL)

J Estimated. Compound below the Practical Quantitation Limit (PQL) but above the MDL

Bold Value above laboratory reporting limit

Value exceeds the Residential ESLs for their respective constituent

Value exceeds the Industrial ESLs for their respective constituent

TABLE 1
Soil Analytical Summary: VOCs
2020 Phase II Sampling Event
07USW Site, Santa Clara County, California

Sample ID	Lab Number	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Chlorotoluene	4-Isopropyltoluene	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane (Freon 12)	Ethylbenzene
Residential ESL[a]		**2,600**	**--**	**1,600,000[1]**	**--**	**330**	**290,000[1]**	**290**	**18,000**	**6,900**	**620**	**270,000**	**14,000,000**	**320**	**110,000**	**19,000**	**570**	**8,300**	**24,000[1]**	**87,000[1]**	**5,900**
Industrial ESL[b]		**12,000**	**--**	**23,000,000[1]**	**--**	**1,400**	**1,800,000[1]**	**1,300**	**80,000**	**30,000**	**2,700**	**1,300,000**	**59,000,000**	**1,400**	**470,000**	**85,000**	**2,500**	**39,000**	**99,000[1]**	**370,000[1]**	**26,000**
SP1-D5	N043035-002B	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	**1.0 J**	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP1-D10	N043035-003B	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP1-D15	N043035-004B	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP1-D20	N043035-005A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP2-D5	N043035-007A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP2-D10	N043035-008A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP2-D15	N043035-009A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP2-D20	N043035-010A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP3-D5	N043035-012A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP3-D10	N043035-013A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP3-D15	N043035-014A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP3-D20	N043035-015A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP4-D5	N043035-017A	<0.16	<0.39	<0.17	<0.16	0.72 J	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP4-D10	N043035-018A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP4-D15	N043035-019A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP4-D20	N043035-020A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP5-D5	N043035-022A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP5-D10	N043035-023A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP5-D15	N043035-024A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22
SP5-D20	N043035-025A	<0.16	<0.39	<0.17	<0.16	<0.21	<0.20	<0.41	<0.46	<0.90	<0.64	<0.22	<1.7	<0.79	<0.46	<0.21	<0.32	<0.44	<0.27	<0.77	<0.22

Notes:

(a) San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for Residential: Shallow Soil Exposure, Table S-1, 2019 (Rev. 2)

(b) RWQCB ESLs for Commercial/Industrial: Shallow Soil Exposure, Table S-1, 2019 (Rev. 2)

(1) RWQCB ESL not defined. For comparison use EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) November 2020

-- RWQCB ESL and EPA RSL not defined

Samples collected November 12, 2020

All results in micrograms per kilogram (µg/Kg), using EPA Method 8260B

SP1-D5 Boring Location SP-1 at a depth of approximately 5 feet below ground surface

< Compound was not detected above the indicated laboratory Method Detection Limit (MDL)

J Estimated. Compound below the Practical Quantitation Limit (PQL) but above the MDL

Bold Value above laboratory reporting limit

Value exceeds the Residential ESLs for their respective constituent

Value exceeds the Industrial ESLs for their respective constituent

TABLE 1
Soil Analytical Summary: VOCs
2020 Phase II Sampling Event
07USW Site, Santa Clara County, California

Sample ID	Lab Number	Hexachlorobutadiene	Isopropylbenzene	m,p-Xylene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	N-Butylbenzene	N-Propylbenzene	o-Xylene	p-Chlorotoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Trichlorofluoromethane (Freon 11)	Vinyl chloride
	Residential ESL[a]	**1,200**	**--**	**580,000**	**27,000,000**	**47,000**	**1,900**	**3,800**	**3,900,000[1]**	**--**	**580,000**	**1,600,000[1]**	**7,800,000[1]**	**5,700,000**	**7,800,000[1]**	**590**	**1,100,000**	**130,000**	**950**	**23,000,000[1]**	**8.3**
	Industrial ESL[b]	**5,300**	**--**	**2,500,000**	**200,000,000**	**210,000**	**25,000**	**17,000**	**58,000,000[1]**	**--**	**2,500,000**	**23,000,000[1]**	**120,000,000[1]**	**33,000,000**	**120,000,000[1]**	**2,700**	**5,300,000**	**600,000**	**6,100**	**350,000,000[1]**	**150**
SP1-D5	N043035-002B	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	**0.90 J**	<0.54	<0.51	<0.57	<0.38
SP1-D10	N043035-003B	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	**0.71 J**	<0.54	<0.51	<0.57	<0.38
SP1-D15	N043035-004B	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	**0.71 J**	<0.54	<0.51	<0.57	<0.38
SP1-D20	N043035-005A	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	**0.69 J**	<0.54	<0.51	<0.57	<0.38
SP2-D5	N043035-007A	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38
SP2-D10	N043035-008A	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38
SP2-D15	N043035-009A	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38
SP2-D20	N043035-010A	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38
SP3-D5	N043035-012A	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38
SP3-D10	N043035-013A	<0.59	<0.19	<0.45	<9.3	<0.86	**3.8 J**	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38
SP3-D15	N043035-014A	<0.59	<0.19	<0.45	<9.3	<0.86	**3.8 J**	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38
SP3-D20	N043035-015A	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38
SP4-D5	N043035-017A	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	**0.84 J**	<0.54	<0.51	<0.57	<0.38
SP4-D10	N043035-018A	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38
SP4-D15	N043035-019A	<0.59	<0.19	<0.45	<9.3	<0.86	**3.8 J**	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38
SP4-D20	N043035-020A	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38
SP5-D5	N043035-022A	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38
SP5-D10	N043035-023A	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38
SP5-D15	N043035-024A	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38
SP5-D20	N043035-025A	<0.59	<0.19	<0.45	<9.3	<0.86	<3.6	<0.38	<0.19	<0.20	<0.17	<0.14	<0.17	<1.2	<0.20	<0.50	<0.29	<0.54	<0.51	<0.57	<0.38

Notes:

(a) San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for Residential: Shallow Soil Exposure, Table S-1, 2019 (Rev. 2)

(b) RWQCB ESLs for Commercial/Industrial: Shallow Soil Exposure, Table S-1, 2019 (Rev. 2)

(1) RWQCB ESL not defined. For comparison use EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) November 2020

-- RWQCB ESL and EPA RSL not defined

Samples collected November 12, 2020

All results in micrograms per kilogram (µg/Kg), using EPA Method 8260B

SP1-D5 Boring Location SP-1 at a depth of approximately 5 feet below ground surface

< Compound was not detected above the indicated laboratory Method Detection Limit (MDL)

J Estimated. Compound below the Practical Quantitation Limit (PQL) but above the MDL

Bold Value above laboratory reporting limit

Value exceeds the Residential ESLs for their respective constituent

Value exceeds the Industrial ESLs for their respective constituent

TABLE 2
Soil Analytical Summary: Metals
2020 Phase II Sampling Event
07USW Site, Santa Clara County, California

Sample ID	Lab Number	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
	Residential ESL[(a)]	11	0.067	15,000	16	78	120,000[(1)]	23	3,100	80	390	820	390	390	0.78	390	23,000	13
	Industrial ESL[(b)]	160	0.31	220,000	230	1,100	1,800,000[(1)]	350	47,000	320	5,800	11,000	5,800	5,800	12	5,800	350,000	190
SP1-D5	N043035-002A	**0.44 J**	**3.9**	**200**	**0.31 J**	**0.86 J**	**62**	**17**	**34**	**8.6**	<0.3	**91**	<0.6	<0.62	<0.35	**40**	**61**	**1.0**
SP1-D10	N043035-003A	**0.65 J**	**3.2**	**230**	<0.22	**0.89 J**	**68**	**17**	**31**	**7.3**	<0.3	**92**	<0.6	<0.62	<0.35	**50**	**58**	**1.0**
SP1-D15	N043035-004A	<0.33	<0.54	**76**	<0.22	**0.57 J**	**40**	**12**	**19**	**4.0**	<0.3	**57**	<0.6	<0.62	<0.35	**29**	**35**	**0.064 J**
SP1-D20	N043035-005A	<0.33	**0.67 J**	**110**	<0.22	**0.50 J**	**39**	**9.8**	**20**	**3.6**	<0.3	**52**	<0.6	<0.62	<0.35	**34**	**35**	**0.044 J**
SP2-D5	N043035-007A	<0.33	**0.93 J**	**160**	<0.22	**0.78 J**	**53**	**14**	**28**	**5.3**	<0.3	**67**	<0.6	<0.62	<0.35	**38**	**51**	**0.090 J**
SP2-D10	N043035-008A	**0.65 J**	**9.2**	**160**	<0.22	**0.89 J**	**80**	**19**	**37**	**13**	<0.3	**150**	<0.6	<0.62	<0.35	**45**	**58**	**1.4**
SP2-D15	N043035-009A	<0.33	**3.2**	**210**	<0.22	**0.66 J**	**51**	**14**	**21**	**3.5**	<0.3	**81**	<0.6	<0.62	<0.35	**50**	**34**	**0.13**
SP2-D20	N043035-010A	<0.33	**6.9**	**77**	<0.22	**0.78 J**	**63**	**17**	**32**	**4.9**	<0.3	**88**	<0.6	<0.62	<0.35	**51**	**51**	**0.14**
SP3-D5	N043035-012A	<0.33	**2.8**	**170**	<0.22	**0.61 J**	**47**	**13**	**19**	**2.9**	<0.3	**66**	<0.6	<0.62	<0.35	**49**	**32**	**0.062 J**
SP3-D10	N043035-013A	<0.33	<0.54	**110**	<0.22	**0.72 J**	**52**	**15**	**24**	**3.7**	<0.3	**69**	<0.6	<0.62	<0.35	**47**	**38**	**0.071 J**
SP3-D15	N043035-014A	<0.33	**7.4**	**150**	<0.22	**0.86 J**	**69**	**20**	**37**	**6.7**	<0.3	**100**	<0.6	<0.62	<0.35	**45**	**60**	**0.17**
SP3-D20	N043035-015A	<0.33	<0.54	**45**	<0.22	**0.39 J**	**29**	**7.2**	**12**	**2.6**	<0.3	**31**	<0.6	<0.62	<0.35	**27**	**24**	**0.049 J**
SP4-D5	N043035-017A	<0.33	**2.4**	**180**	<0.22	**0.69 J**	**54**	**13**	**22**	**3.3**	<0.3	**69**	<0.6	<0.62	<0.35	**54**	**38**	**0.070 J**
SP4-D10	N043035-018A	<0.33	<0.54	**71**	<0.22	**0.61 J**	**48**	**16**	**24**	**3.5**	<0.3	**64**	<0.6	<0.62	<0.35	**44**	**31**	**0.081 J**
SP4-D15	N043035-019A	<0.33	**0.61 J**	**120**	<0.22	**0.68 J**	**53**	**15**	**30**	**5.7**	<0.3	**77**	<0.6	<0.62	<0.35	**43**	**52**	**0.087 J**
SP4-D20	N043035-020A	<0.33	<0.54	**65**	<0.22	**0.45 J**	**26**	**7.5**	**15**	**3.3**	<0.3	**32**	<0.6	<0.62	<0.35	**27**	**25**	**0.48**
SP5-D5	N043035-022A	<0.33	**0.55 J**	**180**	<0.22	**0.73 J**	**51**	**13**	**26**	**5.0**	<0.3	**62**	<0.6	<0.62	<0.35	**46**	**48**	**0.080 J**
SP5-D10	N043035-023A	<0.33	<0.54	**67**	<0.22	**0.40 J**	**31**	**8.9**	**12**	**3.0**	<0.3	**36**	<0.6	<0.62	<0.35	**29**	**25**	**0.033 J**
SP5-D15	N043035-024A	<0.33	**4.2**	**260**	<0.22	**0.97 J**	**78**	**20**	**38**	**5.8**	<0.3	**120**	<0.6	<0.62	<0.35	**58**	**57**	**0.13**
SP5-D20	N043035-025A	<0.33	<0.54	**78**	<0.22	**0.42 J**	**38**	**9.5**	**17**	**4.0**	<0.3	**50**	<0.6	<0.62	<0.35	**33**	**29**	**0.057 J**

Notes:

(a) San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for Residential: Shallow Soil Exposure, Table S-1, 2019 (Rev. 2)

(b) RWQCB ESLs for Commercial/Industrial: Shallow Soil Exposure, Table S-1, 2019 (Rev. 2)

(1) RWQCB ESL for Chromium III was selected because no historic use of Chromium VI on Property

Samples collected November 12, 2020

All results in milligrams per kilogram (mg/Kg), using EPA Method 6010B and 7471A for Mercury

SP1-D5 Boring Location SP-1 at a depth of approximately 5 feet below ground surface

< Compound was not detected above the indicated laboratory Method Detection Limit (MDL)

J Estimated. Compound below the Practical Quantitation Limit (PQL) but above the MDL

Bold Value above laboratory reporting limit

Value exceeds the Residential ESLs for their respective constituent

Value exceeds the Industrial ESLs for their respective constituent

TABLE 3
Soil Analytical Summary: TPH
2020 Phase II Sampling Event
07USW Site, Santa Clara County, California

Sample ID	Lab Number	DRO	ORO	GRO
Residential ESL[a]		260	12,000	430
Industrial ESL[b]		1,200	180,000	2,000
SP1-D5	N043035-002A	**15**	**16**	<0.24
SP1-D10	N043035-003A	**4.2 J**	**5.6 J**	<0.24
SP1-D15	N043035-004A	**4.0 J**	**5.6 J**	<0.24
SP1-D20	N043035-005A	**4.3 J**	**5.7 J**	<0.24
SP2-D5	N043035-007A	**4.2 J**	**5.3 J**	<0.24
SP2-D10	N043035-008A	**7.7 J**	**8.3 J**	<0.24
SP2-D15	N043035-009A	**6.8 J**	**7.2 J**	<0.24
SP2-D20	N043035-010A	**5.3 J**	**6.1 J**	<0.24
SP3-D5	N043035-012A	**5.3 J**	**5.8 J**	<0.24
SP3-D10	N043035-013A	**7.0 J**	**7.2 J**	<0.24
SP3-D15	N043035-014A	**4.1 J**	**4.7 J**	<0.24
SP3-D20	N043035-015A	**4.2 J**	**5.7 J**	<0.24
SP4-D5	N043035-017A	**3.4 J**	**4.6 J**	<0.24
SP4-D10	N043035-018A	**3.6 J**	**4.4 J**	<0.24
SP4-D15	N043035-019A	**4.6 J**	**5.3 J**	<0.24
SP4-D20	N043035-020A	**4.7 J**	**5.7 J**	<0.24
SP5-D5	N043035-022A	**4.1 J**	**6.1 J**	<0.24
SP5-D10	N043035-023A	**4.3 J**	**5.8 J**	<0.24
SP5-D15	N043035-024A	**3.8 J**	**5.6 J**	<0.24
SP5-D20	N043035-025A	<2.9	**4.2 J**	<0.24

Notes:

(a) San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for Residential: Shallow Soil Exposure, Table S-1, 2019 (Rev. 2)

(b) RWQCB ESLs for Commercial/Industrial: Shallow Soil Exposure, Table S-1, 2019 (Rev. 2)

Samples collected November 12, 2020

All results in milligrams per kilogram (mg/Kg), using EPA Method 8015B

SP1-D5 Boring Location SP-1 at a depth of approximately 5 feet below ground surface

< Compound was not detected above the indicated laboratory Method Detection Limit (MDL)

J Estimated. Compound below the Practical Quantitation Limit (PQL) but above the MDL

Bold Value above laboratory reporting limit

Value exceeds the Residential ESLs for their respective constituent

Value exceeds the Industrial ESLs for their respective constituent

DRO Total Petroleum Hydrocarbons (TPH) as Diesel Range Organics

ORO TPH as Oil Range Organics

GRO TPH as Gasoline Range Organics

TABLE 4

Soil Analytical Summary: Pesticides

2020 Phase II Sampling Event

07USW Site, Santa Clara County, California

Sample ID	Lab Number	4,4-DDD	4,4-DDE	4,4-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II
Residential ESL[a]		**2,700**	**1,800**	**1,900**	**35**	**86[1]**	**480**	**300[1]**	**--**	**37**	**420,000**	**420,000**
Industrial ESL[b]		**12,000**	**8,300**	**8,500**	**150**	**360[1]**	**2,200**	**1,300[1]**	**--**	**160**	**5,800,000**	**5,800,000**
SP1-D2	N043035-001A	**46**	**190**	**64**	<0.28	<0.44	<0.52	<0.35	<0.45	**2.8**	<0.30	<0.61
SP2-D2	N043035-006A	**95**	**390**	**120**	<0.28	<0.43	<0.52	<0.34	<0.45	**5.2**	<0.30	<0.61
SP3-D2	N043035-011A	**71**	**620**	**260**	<0.28	<0.44	<0.52	<0.35	<0.45	**15**	<0.30	<0.61
SP4-D2	N043035-016A	**13**	**180**	**42**	<0.28	<0.44	<0.52	<0.35	<0.45	**3.3**	<0.30	<0.61
SP5-D2	N043035-021A	**12**	**100**	**33**	<0.28	<0.44	<0.52	<0.35	<0.45	**1.6 J**	<0.30	<0.61
SP6-D2	N043035-026A	**43**	**170**	**47**	<0.28	<0.43	<0.52	<0.34	<0.45	**2.3**	<0.30	<0.61
SP7-D2	N043035-027A	**42**	**310**	**140**	<0.28	<0.44	<0.52	<0.35	<0.45	**11**	<0.30	<0.61
SP8-D2	N043035-028A	**21**	**520**	**200**	<0.28	<0.43	<0.52	<0.34	<0.45	**11**	<0.30	<0.61

Notes:

(a) San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for Residential: Shallow Soil Exposure, Table S-1, 2019 (Rev. 2)

(b) RWQCB ESLs for Commercial/Industrial: Shallow Soil Exposure, Table S-1, 2019 (Rev. 2)

(1) RWQCB ESL not defined. For comparison use EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) November 2020

-- RWQCB ESL and EPA RSL not defined

Samples collected November 12, 2020

All results in micrograms per kilogram (µg/Kg), using EPA Method 8081A

SP1-D5 Boring Location SP-1 at a depth of approximately 5 feet below ground surface

< Compound was not detected above the indicated laboratory Method Detection Limit (MDL)

J Estimated. Compound below the Practical Quantitation Limit (PQL) but above the MDL

Bold Value above laboratory reporting limit

Value exceeds the Residential ESLs for their respective constituent

Value exceeds the Industrial ESLs for their respective constituent

TABLE 4

Soil Analytical Summary: Pesticides

2020 Phase II Sampling Event

07USW Site, Santa Clara County, California

Sample ID	Lab Number	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC	gamma-Chlordane	Heptachlor	Heptachlor Epoxide	Methoxychlor	Technical Chlordane	Toxaphene
Residential ESL[a]		**380,000[1]**	**21,000**	**--**	**--**	**550**	**480**	**120**	**62**	**350,000**	**480**	**510**
Industrial ESL[b]		**4,900,000[1]**	**290,000**	**--**	**--**	**2,500**	**2,200**	**530**	**280**	**4,800,000**	**2,200**	**2,200**
SP1-D2	N043035-001A	<0.49	<1.0	<0.91	<0.59	<0.24	<0.28	<0.61	<0.28	<2.8	<2.4	<15
SP2-D2	N043035-006A	<0.48	<1.0	<0.90	<0.58	<0.23	<0.27	<0.60	<0.27	<2.8	<2.3	<14
SP3-D2	N043035-011A	<0.49	<1.0	<0.90	<0.58	<0.24	<0.28	<0.60	<0.27	<2.8	<2.4	<15
SP4-D2	N043035-016A	<0.49	<1.0	<0.90	<0.58	<0.24	<0.28	<0.60	<0.27	<2.8	<2.4	<15
SP5-D2	N043035-021A	<0.49	<1.0	<0.90	<0.58	<0.24	<0.28	<0.60	<0.27	<2.8	<2.4	<15
SP6-D2	N043035-026A	<0.48	<1.0	<0.90	<0.58	<0.23	<0.27	<0.60	<0.27	<2.8	<2.3	<14
SP7-D2	N043035-027A	<0.49	<1.0	<0.91	<0.59	<0.24	<0.28	<0.60	<0.28	<2.8	<2.4	<15
SP8-D2	N043035-028A	**0.48**	<1.0	<0.90	<0.58	<0.24	<0.27	<0.60	<0.27	<2.8	<2.4	<14

Notes:

(a) San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for Residential: Shallow Soil Exposure, Table S-1, 2019 (Rev. 2)

(b) RWQCB ESLs for Commercial/Industrial: Shallow Soil Exposure, Table S-1, 2019 (Rev. 2)

(1) RWQCB ESL not defined. For comparison use EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) November 2020

-- RWQCB ESL and EPA RSL not defined

Samples collected November 12, 2020

All results in micrograms per kilogram (µg/Kg), using EPA Method 8081A

SP1-D5 Boring Location SP-1 at a depth of approximately 5 feet below ground surface

< Compound was not detected above the indicated laboratory Method Detection Limit (MDL)

J Estimated. Compound below the Practical Quantitation Limit (PQL) but above the MDL

Bold Value above laboratory reporting limit

Value exceeds the Residential ESLs for their respective constituent

Value exceeds the Industrial ESLs for their respective constituent

TABLE 5
Groundwater Analytical Summary: VOCs
2020 Phase II Sampling Event
07USW Site, Santa Clara County, California

Sample ID	Lab Number	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1,2-Trichlorotrifluoroethane (Freon 113)	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane
	CA MCL[(a)]	**0.57**	**200**	**1**	**5**	**1,200**	**5**	**6**	**5**	**7[(1)]**	**0.005**	**5**	**56[(1)]**	**0.2**	**0.05**	**600**	**0.5**	**5**	**60[(1)]**	**600**	**370[(1)]**
SP1	N043035-029A	<0.25	<0.20	<0.11	<0.23	<0.28	<0.22	<0.17	<0.16	<0.37	<0.23	<0.10	<0.060	<0.32	<0.19	<0.089	<0.16	<0.16	<0.051	<0.081	<0.13
SP2	N043035-030A	<0.25	<0.20	<0.11	<0.23	<0.28	<0.22	<0.17	<0.16	<0.37	<0.23	<0.10	<0.060	<0.32	<0.19	<0.089	<0.16	<0.16	<0.051	<0.081	<0.13
SP3	N043035-031A	<0.25	<0.20	<0.11	<0.23	<0.28	<0.22	<0.17	<0.16	<0.37	<0.23	<0.10	<0.060	<0.32	<0.19	<0.089	<0.16	<0.16	<0.051	<0.081	<0.13
SP4	N043035-032A	<0.25	<0.20	<0.11	<0.23	<0.28	<0.22	<0.17	<0.16	<0.37	<0.23	<0.10	<0.060	<0.32	<0.19	<0.089	<0.16	<0.16	<0.051	<0.081	<0.13
SP5	N043035-033A	<0.25	<0.20	<0.11	<0.23	<0.28	<0.22	<0.17	<0.16	<0.37	<0.23	<0.10	<0.060	<0.32	<0.19	<0.089	<0.16	<0.16	<0.051	<0.081	<0.13

Notes:

(a) San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for Direct Exposure Human Health, Table GW-1, 2019 (Rev. 2). Typically this is the California Maximum Contaminant Level (MCL). Cross check California MCL table updated August 21, 2020.

(1) RWQCB ESL not defined. For comparison use EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) November 2020

-- RWQCB ESL and EPA RSL not defined

Samples collected November 12, 2020

All results in micrograms per liter (µg/L), using EPA Method 8260B

< Compound was not detected above the indicated laboratory Method Detection Limit (MDL)

J Estimated. Compound below the Practical Quantitation Limit (PQL) but above the MDL

Bold Value above laboratory reporting limit

Value exceeds the RWQCB ESLs for their respective constituent

TABLE 5
Groundwater Analytical Summary: VOCs
2020 Phase II Sampling Event
07USW Site, Santa Clara County, California

DRAFT

Sample ID	Lab Number	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Chlorotoluene	4-Isopropyltoluene	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane (Freon 12)	Ethylbenzene
	CA MCL[(a)]	**5**	**--**	**240[(1)]**	**--**	**1**	**62[(1)]**	**80**	**80**	**7.5**	**0.5**	**0.5**	**21,000**	**80**	**190**	**6**	**0.5**	**80**	**8.3[(1)]**	**200[(1)]**	**300**
SP1	N043035-029A	<0.08	<0.22	<0.09	<0.085	<0.11	<0.093	<0.20	<0.23	<0.38	<0.33	<0.11	<0.69	<0.38	<0.23	<0.11	<0.16	<0.23	<0.13	<0.16	<0.11
SP2	N043035-030A	<0.08	<0.22	<0.09	<0.085	<0.11	<0.093	<0.20	<0.23	<0.38	<0.33	<0.11	<0.69	<0.38	<0.23	<0.11	<0.16	<0.23	<0.13	<0.16	<0.11
SP3	N043035-031A	<0.08	<0.22	<0.09	<0.085	<0.11	<0.093	<0.20	<0.23	<0.38	<0.33	<0.11	<0.69	<0.38	<0.23	<0.11	<0.16	<0.23	<0.13	<0.16	<0.11
SP4	N043035-032A	<0.08	<0.22	<0.09	<0.085	<0.11	<0.093	<0.20	<0.23	<0.38	<0.33	<0.11	<0.69	<0.38	<0.23	<0.11	<0.16	<0.23	<0.13	<0.16	<0.11
SP5	N043035-033A	<0.08	<0.22	<0.09	<0.085	<0.11	<0.093	<0.20	<0.23	<0.38	<0.33	<0.11	<0.69	<0.38	<0.23	<0.11	<0.16	<0.23	<0.13	<0.16	<0.11

Notes:

(a) San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for Direct Exposure Human Health, Table GW-1, 2019 (Rev. 2). Typically this is the California Maximum Contaminant Level (MCL). Cross check California MCL table updated August 21, 2020.

(1) RWQCB ESL not defined. For comparison use EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) November 2020

-- RWQCB ESL and EPA RSL not defined

Samples collected November 12, 2020

All results in micrograms per liter (µg/L), using EPA Method 8260B

< Compound was not detected above the indicated laboratory Method Detection Limit (MDL)

J Estimated. Compound below the Practical Quantitation Limit (PQL) but above the MDL

Bold Value above laboratory reporting limit

Value exceeds the RWQCB ESLs for their respective constituent

TABLE 5
Groundwater Analytical Summary: VOCs
2020 Phase II Sampling Event
07USW Site, Santa Clara County, California

Sample ID	Lab Number	Hexachlorobutadiene	Isopropylbenzene	m,p-Xylene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	N-Butylbenzene	N-Propylbenzene	o-Xylene	p-Chlorotoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Trichlorofluoromethane (Freon 11)	Vinyl chloride
	CA MCL[a]	**0.14**	**--**	**1,750**	**5,600**	**13**	**5**	**0.17**	**1,000[1]**	**--**	**1,750**	**250[1]**	**2,000[1]**	**10**	**690[1]**	**5**	**150**	**10**	**5**	**150**	**0.5**
SP1	N043035-029A	<0.30	<0.092	<0.23	<4.7	<0.44	<1.2	<0.41	<0.093	<0.10	<0.087	<0.065	<0.076	<0.41	<0.10	<0.25	<0.13	<0.27	<0.26	<0.23	<0.19
SP2	N043035-030A	<0.30	<0.092	<0.23	<4.7	<0.44	**1.3 J**	<0.41	<0.093	<0.10	<0.087	<0.065	<0.076	<0.41	<0.10	<0.25	<0.13	<0.27	<0.26	<0.23	<0.19
SP3	N043035-031A	<0.30	<0.092	<0.23	<4.7	<0.44	<1.2	<0.41	<0.093	<0.10	<0.087	<0.065	<0.076	<0.41	<0.10	<0.25	<0.13	<0.27	<0.26	<0.23	<0.19
SP4	N043035-032A	<0.30	<0.092	<0.23	<4.7	<0.44	<1.2	<0.41	<0.093	<0.10	<0.087	<0.065	<0.076	<0.41	<0.10	<0.25	<0.13	<0.27	<0.26	<0.23	<0.19
SP5	N043035-033A	<0.30	<0.092	<0.23	<4.7	<0.44	<1.2	<0.41	<0.093	<0.10	<0.087	<0.065	<0.076	<0.41	<0.10	<0.25	<0.13	<0.27	<0.26	<0.23	<0.19

Notes:

(a) San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for Direct Exposure Human Health, Table GW-1, 2019 (Rev. 2). Typically this is the California Maximum Contaminant Level (MCL). Cross check California MCL table updated August 21, 2020.

(1) RWQCB ESL not defined. For comparison use EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) November 2020

-- RWQCB ESL and EPA RSL not defined

Samples collected November 12, 2020

All results in micrograms per liter (µg/L), using EPA Method 8260B

< Compound was not detected above the indicated laboratory Method Detection Limit (MDL)

J Estimated. Compound below the Practical Quantitation Limit (PQL) but above the MDL

Bold Value above laboratory reporting limit

Value exceeds the RWQCB ESLs for their respective constituent

TABLE 6
Groundwater Analytical Summary: Metals
2020 Phase II Sampling Event
07USW Site, Santa Clara County, California

Sample ID	Lab Number	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
	CA MCL[a]	0.006	0.01	1	0.004	0.005	0.05	0.006	1.3	0.015	0.1	0.1	0.05	0.1	0.002	0.05	5	0.002
SP1	N043035-029C	**0.0073 J**	**0.025**	**0.50**	**0.0043**	**0.0032**	**0.051**	**0.11**	**0.15**	**0.023**	<0.0026	**0.21**	**0.015**	<0.0024	<0.006	**0.067**	**0.16**	**0.15 J**
SP2	N043035-030C	<0.0045	**0.022**	**0.22**	**0.0024 J**	**0.0018 J**	**0.073**	**0.044**	**0.16**	**0.029**	<0.0026	**0.14**	<0.0085	<0.0024	**0.0080 J**	**0.14**	**0.12**	**0.16 J**
SP3	N043035-031C	<0.0045	**0.016**	**0.20**	**0.0017 J**	**0.0011 J**	**0.030**	**0.040**	**0.089**	**0.011**	<0.0026	**0.087**	**0.0086 J**	<0.0024	**0.0084 J**	**0.080**	**0.076**	**0.17 J**
SP4	N043035-032C	<0.0045	**0.014**	**0.36**	**0.0065**	**0.0049**	**0.085**	**0.038**	**0.26**	**0.042**	<0.0026	**0.13**	**0.0087 J**	<0.0024	**0.012 J**	**0.39**	**0.18**	<0.13
SP5	N043035-033C	<0.0045	**0.017**	**0.43**	**0.0039**	**0.0029 J**	**0.11**	**0.053**	**0.27**	**0.017**	<0.0026	**0.14**	<0.0085	<0.0024	**0.0086 J**	**0.16**	**0.13**	<0.13

Notes:

(a) San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for Direct Exposure Human Health, Table GW-1, 2019 (Rev. 2).
Typically this is the California Maximum Contaminant Level (MCL). Cross check California MCL table updated August 21, 2020.

Samples collected November 12, 2020

All results in milligrams per liter (mg/L), using EPA Method 6010B and EPA Method 7470A for Mercury

< Compound was not detected above the indicated laboratory Method Detection Limit (MDL)

J Estimated. Compound below the Practical Quantitation Limit (PQL) but above the MDL

Bold Value above laboratory reporting limit

Value exceeds the RWQCB ESLs for their respective constituent

TABLE 7
Groundwater Analytical Summary: TPH
2020 Phase II Sampling Event
07USW Site, Santa Clara County, California

Sample ID	Lab Number	DRO	ORO	GRO
	CA MCL[a]	0.2	0.8[1]	0.76
SP1	N043035-029B	**0.038 J**	**0.041 J**	**0.030 J**
SP2	N043035-030B	**0.035 J**	<0.04	**0.027 J**
SP3	N043035-031B	**0.032 J**	<0.04	**0.023 J**
SP4	N043035-032B	**0.048 J**	**0.055 J**	**0.025 J**
SP5	N043035-033B	**0.055 J**	**0.046 J**	**0.045 J**

Notes:

(a) San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for Direct Exposure Human Health, Table GW-1, 2019 (Rev. 2). Typically this is the California Maximum Contaminant Level (MCL). Cross check California MCL table updated August 21, 2020.

(1) RWQCB ESL not defined. For comparison use EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) November 2020 for Total Petroleum Hydrocarbons (Aromatic High)

Samples collected November 12, 2020

All results in milligrams per liter (mg/L), using EPA Method 8015B

< Compound was not detected above the indicated laboratory Method Detection Limit (MDL)

J Estimated. Compound below the Practical Quantitation Limit (PQL) but above the MDL

Bold Value above laboratory reporting limit

Value exceeds the RWQCB ESLs for their respective constituent

DRO Total Petroleum Hydrocarbons (TPH) as Diesel Range Organics

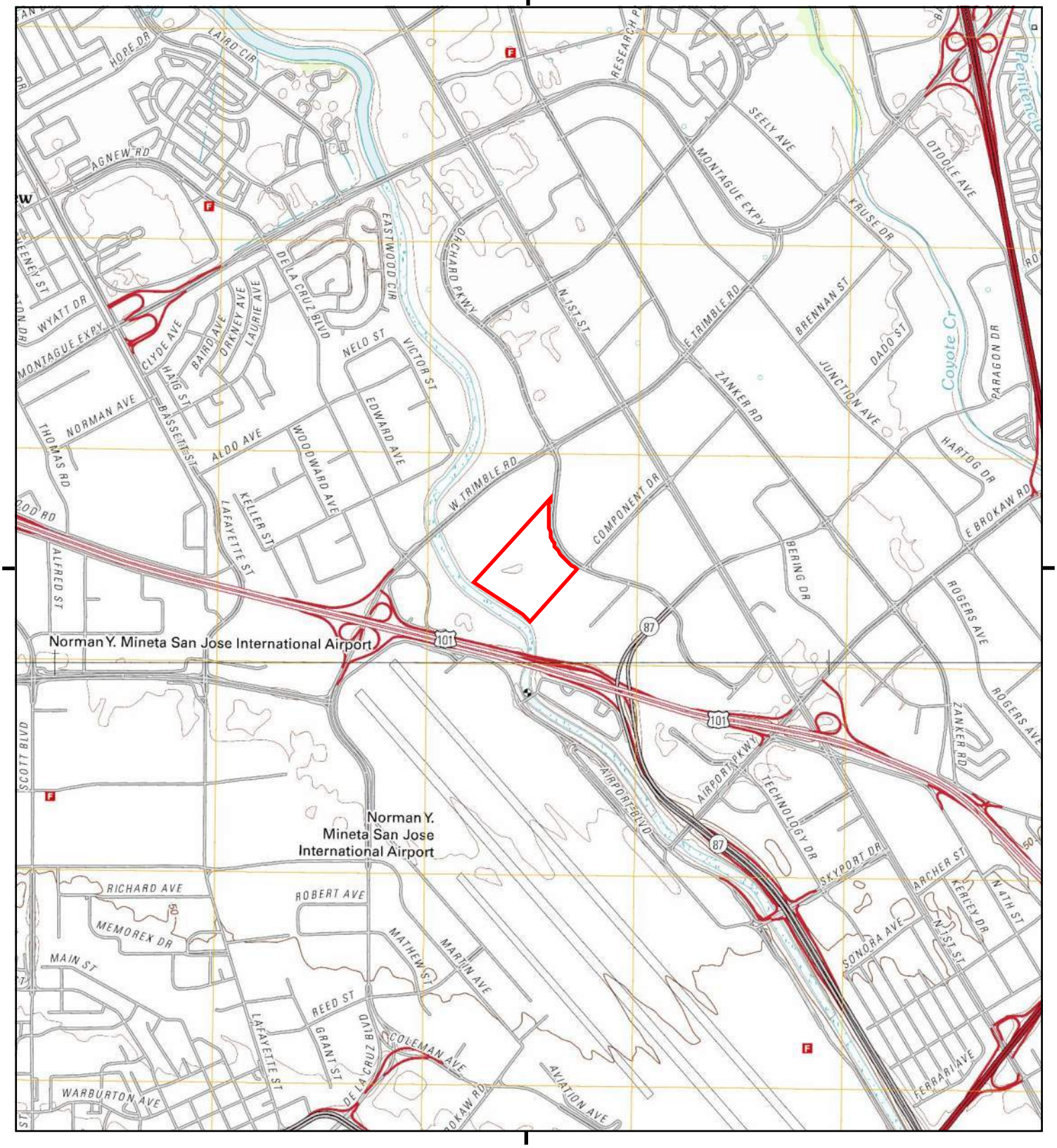
ORO TPH as Oil Range Organics

GRO TPH as Gasoline Range Organics

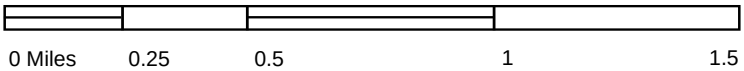
FIGURES

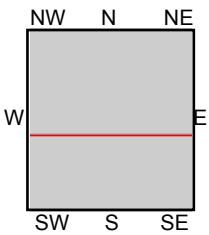
Property Vicinity Map / Historical Topo Map

2012



This report includes information from the following map sheet(s).





TP, Milpitas, 2012, 7.5-minute
S, San Jose West, 2012, 7.5-minute

FIGURE 1

SITE NAME: 07USW
ADDRESS: 350 W TRIMBLE RD
San Jose, CA 95131
CLIENT: Burns & McDonnell Engineering

Path: Z:\Clients\GFS\MSJupiter\127712_BayAZ1\Studies\Geospatial\DataFiles\ArcDocs\BayAZ1 Sampling Map.mxd kgouvion 12/17/2020
Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Approximate Property Boundary
Sampling Points

NORTH

200 100 0 200
Scale in Feet

BURNS McDONNELL

FIGURE 2
Sampling Location Map
07USW Site
Microsoft Corporation
Santa Clara County, California

Source: ESRI; Microsoft Corporation; Burns & McDonnell

Issued: 12/17/2020

APPENDIX A - CERTIFIED ANALYTICAL REPORTS, CHAIN-OF-CUSTODY DOCUMENTATION

November 18, 2020

Crystal Chang
Burns & McDonnell
617 W 7th St #202
Los Angeles, CA 90017

TEL: (626) 817-7912
FAX: (714) 256-1764

Workorder No.: N043035

RE: San Jose 07USW, 127712

Attention: Crystal Chang

Enclosed are the results for sample(s) received on November 14, 2020 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Andrew Garaniel
Laboratory Director

CLIENT: Burns & McDonnell
Project: San Jose 07USW, 127712
Lab Order: N043035

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Analytical comments for EPA 8081A:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery and RPD criteria possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

Analytical comments for EPA 6010B:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria on some analytes possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

Analytical comments for EPA 8260B:

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria on analyte MTBE; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

CLIENT: Burns & McDonnell
Project: San Jose 07USW, 127712
Lab Order: N043035
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N043035-001A	SP1-D2	Soil	11/12/2020 8:45:00 AM	11/14/2020	11/18/2020
N043035-001B	SP1-D2	Soil	11/12/2020 8:45:00 AM	11/14/2020	11/18/2020
N043035-002A	SP1-D5	Soil	11/12/2020 8:50:00 AM	11/14/2020	11/18/2020
N043035-002B	SP1-D5	Soil	11/12/2020 8:50:00 AM	11/14/2020	11/18/2020
N043035-002C	SP1-D5	Soil	11/12/2020 8:50:00 AM	11/14/2020	11/18/2020
N043035-003A	SP1-D10	Soil	11/12/2020 8:55:00 AM	11/14/2020	11/18/2020
N043035-003B	SP1-D10	Soil	11/12/2020 8:55:00 AM	11/14/2020	11/18/2020
N043035-004A	SP1-D15	Soil	11/12/2020 9:00:00 AM	11/14/2020	11/18/2020
N043035-004B	SP1-D15	Soil	11/12/2020 9:00:00 AM	11/14/2020	11/18/2020
N043035-005A	SP1-D20	Soil	11/12/2020 9:05:00 AM	11/14/2020	11/18/2020
N043035-006A	SP2-D2	Soil	11/12/2020 9:35:00 AM	11/14/2020	11/18/2020
N043035-007A	SP2-D5	Soil	11/12/2020 9:40:00 AM	11/14/2020	11/18/2020
N043035-008A	SP2-D10	Soil	11/12/2020 9:45:00 AM	11/14/2020	11/18/2020
N043035-009A	SP2-D15	Soil	11/12/2020 9:50:00 AM	11/14/2020	11/18/2020
N043035-010A	SP2-D20	Soil	11/12/2020 9:55:00 AM	11/14/2020	11/18/2020
N043035-011A	SP3-D2	Soil	11/12/2020 10:05:00 AM	11/14/2020	11/18/2020
N043035-012A	SP3-D5	Soil	11/12/2020 10:10:00 AM	11/14/2020	11/18/2020
N043035-013A	SP3-D10	Soil	11/12/2020 10:15:00 AM	11/14/2020	11/18/2020
N043035-014A	SP3-D15	Soil	11/12/2020 10:20:00 AM	11/14/2020	11/18/2020
N043035-015A	SP3-D20	Soil	11/12/2020 10:25:00 AM	11/14/2020	11/18/2020
N043035-016A	SP4-D2	Soil	11/12/2020 10:35:00 AM	11/14/2020	11/18/2020
N043035-017A	SP4-D5	Soil	11/12/2020 10:40:00 AM	11/14/2020	11/18/2020
N043035-018A	SP4-D10	Soil	11/12/2020 10:45:00 AM	11/14/2020	11/18/2020
N043035-019A	SP4-D15	Soil	11/12/2020 10:50:00 AM	11/14/2020	11/18/2020
N043035-020A	SP4-D20	Soil	11/12/2020 10:55:00 AM	11/14/2020	11/18/2020
N043035-021A	SP5-D2	Soil	11/12/2020 11:05:00 AM	11/14/2020	11/18/2020
N043035-022A	SP5-D5	Soil	11/12/2020 11:10:00 AM	11/14/2020	11/18/2020
N043035-023A	SP5-D10	Soil	11/12/2020 11:15:00 AM	11/14/2020	11/18/2020
N043035-024A	SP5-D15	Soil	11/12/2020 11:20:00 AM	11/14/2020	11/18/2020

CLIENT: Burns & McDonnell
Project: San Jose 07USW, 127712
Lab Order: N043035
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N043035-025A	SP5-D20	Soil	11/12/2020 11:25:00 AM	11/14/2020	11/18/2020
N043035-026A	SP6-D2	Soil	11/12/2020 11:50:00 AM	11/14/2020	11/18/2020
N043035-027A	SP7-D2	Soil	11/12/2020 11:30:00 AM	11/14/2020	11/18/2020
N043035-028A	SP8-D2	Soil	11/12/2020 11:40:00 PM	11/14/2020	11/18/2020
N043035-029A	SP1	Water	11/12/2020 2:00:00 PM	11/14/2020	11/18/2020
N043035-029B	SP1	Water	11/12/2020 2:00:00 PM	11/14/2020	11/18/2020
N043035-029C	SP1	Water	11/12/2020 2:00:00 PM	11/14/2020	11/18/2020
N043035-030A	SP2	Water	11/12/2020 2:30:00 PM	11/14/2020	11/18/2020
N043035-030B	SP2	Water	11/12/2020 2:30:00 PM	11/14/2020	11/18/2020
N043035-030C	SP2	Water	11/12/2020 2:30:00 PM	11/14/2020	11/18/2020
N043035-031A	SP3	Water	11/12/2020 3:00:00 PM	11/14/2020	11/18/2020
N043035-031B	SP3	Water	11/12/2020 3:00:00 PM	11/14/2020	11/18/2020
N043035-031C	SP3	Water	11/12/2020 3:00:00 PM	11/14/2020	11/18/2020
N043035-032A	SP4	Water	11/12/2020 3:30:00 PM	11/14/2020	11/18/2020
N043035-032B	SP4	Water	11/12/2020 3:30:00 PM	11/14/2020	11/18/2020
N043035-032C	SP4	Water	11/12/2020 3:30:00 PM	11/14/2020	11/18/2020
N043035-033A	SP5	Water	11/12/2020 4:00:00 PM	11/14/2020	11/18/2020
N043035-033B	SP5	Water	11/12/2020 4:00:00 PM	11/14/2020	11/18/2020
N043035-033C	SP5	Water	11/12/2020 4:00:00 PM	11/14/2020	11/18/2020

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-001

Client Sample ID: SP1-D2
Collection Date: 11/12/2020 8:45:00 AM
Matrix: SOIL

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3546 **EPA 8081A**

RunID: **NV00922-GC7_201116A** QC Batch: **83038** PrepDate: **11/16/2020** Analyst: **LLR**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
4,4´-DDD	46	0.68	2.0		µg/Kg	1	11/16/2020 09:29 PM
4,4´-DDE	190	1.8	10		µg/Kg	5	11/17/2020 09:44 PM
4,4´-DDT	64	0.44	2.0		µg/Kg	1	11/16/2020 09:29 PM
Aldrin	ND	0.28	1.0		µg/Kg	1	11/16/2020 09:29 PM
alpha-BHC	ND	0.44	1.0		µg/Kg	1	11/16/2020 09:29 PM
alpha-Chlordane	ND	0.52	1.0		µg/Kg	1	11/16/2020 09:29 PM
beta-BHC	ND	0.35	1.0		µg/Kg	1	11/16/2020 09:29 PM
Chlordane	ND	2.4	8.6		µg/Kg	1	11/16/2020 09:29 PM
delta-BHC	ND	0.45	1.0		µg/Kg	1	11/16/2020 09:29 PM
Dieldrin	2.8	0.44	2.0		µg/Kg	1	11/16/2020 09:29 PM
Endosulfan I	ND	0.30	1.0		µg/Kg	1	11/16/2020 09:29 PM
Endosulfan II	ND	0.61	2.0		µg/Kg	1	11/16/2020 09:29 PM
Endosulfan sulfate	ND	0.49	2.0		µg/Kg	1	11/16/2020 09:29 PM
Endrin	ND	1.0	2.0		µg/Kg	1	11/16/2020 09:29 PM
Endrin aldehyde	ND	0.91	2.0		µg/Kg	1	11/16/2020 09:29 PM
Endrin ketone	ND	0.59	2.0		µg/Kg	1	11/16/2020 09:29 PM
gamma-BHC	ND	0.24	1.0		µg/Kg	1	11/16/2020 09:29 PM
gamma-Chlordane	ND	0.28	1.0		µg/Kg	1	11/16/2020 09:29 PM
Heptachlor	ND	0.61	1.0		µg/Kg	1	11/16/2020 09:29 PM
Heptachlor epoxide	ND	0.28	1.0		µg/Kg	1	11/16/2020 09:29 PM
Methoxychlor	ND	2.8	8.6		µg/Kg	1	11/16/2020 09:29 PM
Toxaphene	ND	15	86		µg/Kg	1	11/16/2020 09:29 PM
Surr: Tetrachloro-m-xylene	60.8	0	32-100		%REC	1	11/16/2020 09:29 PM
Surr: Decachlorobiphenyl	66.2	0	26-104		%REC	1	11/16/2020 09:29 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-002

Client Sample ID: SP1-D5
Collection Date: 11/12/2020 8:50:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,2,3-Trichlorobenzene	1.8	0.20	5.0	J	µg/Kg	1	11/17/2020 11:14 PM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/17/2020 11:14 PM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/17/2020 11:14 PM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/17/2020 11:14 PM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/17/2020 11:14 PM
2-Butanone	ND	9.3	50		µg/Kg	1	11/17/2020 11:14 PM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/17/2020 11:14 PM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/17/2020 11:14 PM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/17/2020 11:14 PM
Benzene	ND	0.21	5.0		µg/Kg	1	11/17/2020 11:14 PM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/17/2020 11:14 PM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/17/2020 11:14 PM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/17/2020 11:14 PM
Bromomethane	1.0	0.90	5.0	J	µg/Kg	1	11/17/2020 11:14 PM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/17/2020 11:14 PM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/17/2020 11:14 PM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/17/2020 11:14 PM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/17/2020 11:14 PM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/17/2020 11:14 PM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/17/2020 11:14 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-002

Client Sample ID: SP1-D5
Collection Date: 11/12/2020 8:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/17/2020 11:14 PM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/17/2020 11:14 PM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/17/2020 11:14 PM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/17/2020 11:14 PM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/17/2020 11:14 PM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/17/2020 11:14 PM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/17/2020 11:14 PM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/17/2020 11:14 PM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/17/2020 11:14 PM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/17/2020 11:14 PM
MTBE	ND	0.86	5.0		µg/Kg	1	11/17/2020 11:14 PM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/17/2020 11:14 PM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/17/2020 11:14 PM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/17/2020 11:14 PM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/17/2020 11:14 PM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/17/2020 11:14 PM
Styrene	ND	1.2	5.0		µg/Kg	1	11/17/2020 11:14 PM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/17/2020 11:14 PM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/17/2020 11:14 PM
Toluene	0.90	0.29	5.0	J	µg/Kg	1	11/17/2020 11:14 PM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/17/2020 11:14 PM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/17/2020 11:14 PM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/17/2020 11:14 PM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/17/2020 11:14 PM
Surr: 1,2-Dichloroethane-d4	123	0	64-165		%REC	1	11/17/2020 11:14 PM
Surr: 4-Bromofluorobenzene	87.8	0	69-124		%REC	1	11/17/2020 11:14 PM
Surr: Dibromofluoromethane	109	0	72-142		%REC	1	11/17/2020 11:14 PM
Surr: Toluene-d8	99.0	0	75-124		%REC	1	11/17/2020 11:14 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116B** QC Batch: **83039**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	15	2.9	10		mg/Kg	1	11/17/2020 11:19 AM
ORO	16	1.8	10		mg/Kg	1	11/17/2020 11:19 AM
Surr: p-Terphenyl	94.5	0	56-133		%REC	1	11/17/2020 11:19 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-002

Client Sample ID: SP1-D5
Collection Date: 11/12/2020 8:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 11:16 AM
Surr: Chlorobenzene - d5	91.2	0	54-160		%REC	1	11/16/2020 11:16 AM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	1.0	0.027	0.099		mg/Kg	1	11/16/2020 12:54 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	0.44	0.33	2.0	J	mg/Kg	1	11/17/2020 10:05 PM
Arsenic	3.9	0.54	1.0		mg/Kg	1	11/17/2020 10:05 PM
Barium	200	0.31	1.0		mg/Kg	1	11/17/2020 10:05 PM
Beryllium	0.31	0.22	1.0	J	mg/Kg	1	11/17/2020 10:05 PM
Cadmium	0.86	0.27	1.0	J	mg/Kg	1	11/17/2020 10:05 PM
Chromium	62	0.32	1.0		mg/Kg	1	11/17/2020 10:05 PM
Cobalt	17	0.29	1.0		mg/Kg	1	11/17/2020 10:05 PM
Copper	34	0.89	2.0		mg/Kg	1	11/17/2020 10:05 PM
Lead	8.6	0.29	1.0		mg/Kg	1	11/17/2020 10:05 PM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/17/2020 10:05 PM
Nickel	91	0.34	1.0		mg/Kg	1	11/17/2020 10:05 PM
Selenium	ND	0.60	1.0		mg/Kg	1	11/17/2020 10:05 PM
Silver	ND	0.62	1.0		mg/Kg	1	11/17/2020 10:05 PM
Thallium	ND	0.35	2.0		mg/Kg	1	11/17/2020 10:05 PM
Vanadium	40	0.22	1.0		mg/Kg	1	11/17/2020 10:05 PM
Zinc	61	0.30	1.0		mg/Kg	1	11/17/2020 10:05 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-003

Client Sample ID: SP1-D10
Collection Date: 11/12/2020 8:55:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/17/2020 11:39 PM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/17/2020 11:39 PM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/17/2020 11:39 PM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/17/2020 11:39 PM
2-Butanone	ND	9.3	50		µg/Kg	1	11/17/2020 11:39 PM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/17/2020 11:39 PM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/17/2020 11:39 PM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/17/2020 11:39 PM
Benzene	ND	0.21	5.0		µg/Kg	1	11/17/2020 11:39 PM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/17/2020 11:39 PM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/17/2020 11:39 PM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/17/2020 11:39 PM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/17/2020 11:39 PM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/17/2020 11:39 PM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/17/2020 11:39 PM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/17/2020 11:39 PM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/17/2020 11:39 PM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/17/2020 11:39 PM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/17/2020 11:39 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-003

Client Sample ID: SP1-D10
Collection Date: 11/12/2020 8:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/17/2020 11:39 PM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/17/2020 11:39 PM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/17/2020 11:39 PM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/17/2020 11:39 PM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/17/2020 11:39 PM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/17/2020 11:39 PM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/17/2020 11:39 PM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/17/2020 11:39 PM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/17/2020 11:39 PM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/17/2020 11:39 PM
MTBE	ND	0.86	5.0		µg/Kg	1	11/17/2020 11:39 PM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/17/2020 11:39 PM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/17/2020 11:39 PM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/17/2020 11:39 PM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/17/2020 11:39 PM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/17/2020 11:39 PM
Styrene	ND	1.2	5.0		µg/Kg	1	11/17/2020 11:39 PM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/17/2020 11:39 PM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/17/2020 11:39 PM
Toluene	0.71	0.29	5.0	J	µg/Kg	1	11/17/2020 11:39 PM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/17/2020 11:39 PM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/17/2020 11:39 PM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/17/2020 11:39 PM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/17/2020 11:39 PM
Surr: 1,2-Dichloroethane-d4	119	0	64-165		%REC	1	11/17/2020 11:39 PM
Surr: 4-Bromofluorobenzene	90.3	0	69-124		%REC	1	11/17/2020 11:39 PM
Surr: Dibromofluoromethane	104	0	72-142		%REC	1	11/17/2020 11:39 PM
Surr: Toluene-d8	98.6	0	75-124		%REC	1	11/17/2020 11:39 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116B** QC Batch: **83039**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	4.2	2.9	10	J	mg/Kg	1	11/17/2020 01:26 PM
ORO	5.6	1.8	10	J	mg/Kg	1	11/17/2020 01:26 PM
Surr: p-Terphenyl	93.8	0	56-133		%REC	1	11/17/2020 01:26 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-003

Client Sample ID: SP1-D10
Collection Date: 11/12/2020 8:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 12:47 PM
Surr: Chlorobenzene - d5	92.1	0	54-160		%REC	1	11/16/2020 12:47 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	1.0	0.027	0.099		mg/Kg	1	11/16/2020 12:57 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	0.65	0.33	2.0	J	mg/Kg	1	11/17/2020 10:11 PM
Arsenic	3.2	0.54	1.0		mg/Kg	1	11/17/2020 10:11 PM
Barium	230	0.31	1.0		mg/Kg	1	11/17/2020 10:11 PM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/17/2020 10:11 PM
Cadmium	0.89	0.27	1.0	J	mg/Kg	1	11/17/2020 10:11 PM
Chromium	68	0.32	1.0		mg/Kg	1	11/17/2020 10:11 PM
Cobalt	17	0.29	1.0		mg/Kg	1	11/17/2020 10:11 PM
Copper	31	0.89	2.0		mg/Kg	1	11/17/2020 10:11 PM
Lead	7.3	0.29	1.0		mg/Kg	1	11/17/2020 10:11 PM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/17/2020 10:11 PM
Nickel	92	0.34	1.0		mg/Kg	1	11/17/2020 10:11 PM
Selenium	ND	0.60	1.0		mg/Kg	1	11/17/2020 10:11 PM
Silver	ND	0.62	1.0		mg/Kg	1	11/17/2020 10:11 PM
Thallium	ND	0.35	2.0		mg/Kg	1	11/17/2020 10:11 PM
Vanadium	50	0.22	1.0		mg/Kg	1	11/17/2020 10:11 PM
Zinc	58	0.30	1.0		mg/Kg	1	11/17/2020 10:11 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-004

Client Sample ID: SP1-D15
Collection Date: 11/12/2020 9:00:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 12:03 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 12:03 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 12:03 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 12:03 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 12:03 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 12:03 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 12:03 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 12:03 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 12:03 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 12:03 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 12:03 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 12:03 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 12:03 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 12:03 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 12:03 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 12:03 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 12:03 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 12:03 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 12:03 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-004

Client Sample ID: SP1-D15
Collection Date: 11/12/2020 9:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 12:03 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 12:03 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 12:03 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 12:03 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 12:03 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 12:03 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 12:03 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 12:03 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 12:03 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 12:03 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 12:03 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 12:03 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 12:03 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 12:03 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 12:03 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 12:03 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 12:03 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 12:03 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 12:03 AM
Toluene	0.71	0.29	5.0	J	µg/Kg	1	11/18/2020 12:03 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 12:03 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 12:03 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 12:03 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 12:03 AM
Surr: 1,2-Dichloroethane-d4	122	0	64-165		%REC	1	11/18/2020 12:03 AM
Surr: 4-Bromofluorobenzene	97.9	0	69-124		%REC	1	11/18/2020 12:03 AM
Surr: Dibromofluoromethane	111	0	72-142		%REC	1	11/18/2020 12:03 AM
Surr: Toluene-d8	103	0	75-124		%REC	1	11/18/2020 12:03 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116B** QC Batch: **83039**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	4.0	2.9	10	J	mg/Kg	1	11/17/2020 01:57 PM
ORO	5.6	1.8	10	J	mg/Kg	1	11/17/2020 01:57 PM
Surr: p-Terphenyl	94.5	0	56-133		%REC	1	11/17/2020 01:57 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-004

Client Sample ID: SP1-D15
Collection Date: 11/12/2020 9:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 01:16 PM
Surr: Chlorobenzene - d5	98.6	0	54-160		%REC	1	11/16/2020 01:16 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.064	0.027	0.10	J	mg/Kg	1	11/16/2020 01:00 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/17/2020 11:04 PM
Arsenic	ND	0.54	1.0		mg/Kg	1	11/17/2020 11:04 PM
Barium	76	0.31	1.0		mg/Kg	1	11/17/2020 11:04 PM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/17/2020 11:04 PM
Cadmium	0.57	0.27	1.0	J	mg/Kg	1	11/17/2020 11:04 PM
Chromium	40	0.32	1.0		mg/Kg	1	11/17/2020 11:04 PM
Cobalt	12	0.29	1.0		mg/Kg	1	11/17/2020 11:04 PM
Copper	19	0.89	2.0		mg/Kg	1	11/17/2020 11:04 PM
Lead	4.0	0.30	1.0		mg/Kg	1	11/17/2020 11:04 PM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/17/2020 11:04 PM
Nickel	57	0.34	1.0		mg/Kg	1	11/17/2020 11:04 PM
Selenium	ND	0.60	1.0		mg/Kg	1	11/17/2020 11:04 PM
Silver	ND	0.62	1.0		mg/Kg	1	11/17/2020 11:04 PM
Thallium	ND	0.35	2.0		mg/Kg	1	11/17/2020 11:04 PM
Vanadium	29	0.22	1.0		mg/Kg	1	11/17/2020 11:04 PM
Zinc	35	0.30	1.0		mg/Kg	1	11/17/2020 11:04 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-005

Client Sample ID: SP1-D20
Collection Date: 11/12/2020 9:05:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 12:27 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 12:27 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 12:27 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 12:27 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 12:27 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 12:27 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 12:27 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 12:27 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 12:27 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 12:27 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 12:27 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 12:27 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 12:27 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 12:27 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 12:27 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 12:27 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 12:27 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 12:27 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 12:27 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-005

Client Sample ID: SP1-D20
Collection Date: 11/12/2020 9:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 12:27 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 12:27 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 12:27 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 12:27 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 12:27 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 12:27 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 12:27 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 12:27 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 12:27 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 12:27 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 12:27 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 12:27 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 12:27 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 12:27 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 12:27 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 12:27 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 12:27 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 12:27 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 12:27 AM
Toluene	0.69	0.29	5.0	J	µg/Kg	1	11/18/2020 12:27 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 12:27 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 12:27 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 12:27 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 12:27 AM
Surr: 1,2-Dichloroethane-d4	129	0	64-165		%REC	1	11/18/2020 12:27 AM
Surr: 4-Bromofluorobenzene	94.2	0	69-124		%REC	1	11/18/2020 12:27 AM
Surr: Dibromofluoromethane	114	0	72-142		%REC	1	11/18/2020 12:27 AM
Surr: Toluene-d8	102	0	75-124		%REC	1	11/18/2020 12:27 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
	EPA 3550B		**EPA 8015B**				
RunID: **NV00922-GC3_201116B** QC Batch: **83039**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	4.3	2.9	10	J	mg/Kg	1	11/17/2020 02:29 PM
ORO	5.7	1.8	10	J	mg/Kg	1	11/17/2020 02:29 PM
Surr: p-Terphenyl	90.4	0	56-133		%REC	1	11/17/2020 02:29 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-005

Client Sample ID: SP1-D20
Collection Date: 11/12/2020 9:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 01:47 PM
Surr: Chlorobenzene - d5	100	0	54-160		%REC	1	11/16/2020 01:47 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.044	0.027	0.099	J	mg/Kg	1	11/16/2020 01:37 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/17/2020 11:10 PM
Arsenic	0.67	0.54	1.0	J	mg/Kg	1	11/17/2020 11:10 PM
Barium	110	0.31	1.0		mg/Kg	1	11/17/2020 11:10 PM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/17/2020 11:10 PM
Cadmium	0.50	0.27	1.0	J	mg/Kg	1	11/17/2020 11:10 PM
Chromium	39	0.32	1.0		mg/Kg	1	11/17/2020 11:10 PM
Cobalt	9.8	0.29	1.0		mg/Kg	1	11/17/2020 11:10 PM
Copper	20	0.89	2.0		mg/Kg	1	11/17/2020 11:10 PM
Lead	3.6	0.29	1.0		mg/Kg	1	11/17/2020 11:10 PM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/17/2020 11:10 PM
Nickel	52	0.34	1.0		mg/Kg	1	11/17/2020 11:10 PM
Selenium	ND	0.60	1.0		mg/Kg	1	11/17/2020 11:10 PM
Silver	ND	0.62	1.0		mg/Kg	1	11/17/2020 11:10 PM
Thallium	ND	0.35	2.0		mg/Kg	1	11/17/2020 11:10 PM
Vanadium	34	0.22	1.0		mg/Kg	1	11/17/2020 11:10 PM
Zinc	35	0.30	1.0		mg/Kg	1	11/17/2020 11:10 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-006

Client Sample ID: SP2-D2
Collection Date: 11/12/2020 9:35:00 AM
Matrix: SOIL

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3546 **EPA 8081A**

RunID: **NV00922-GC7_201116A** QC Batch: **83038** PrepDate: **11/16/2020** Analyst: **LLR**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
4,4´-DDD	95	6.7	20		µg/Kg	10	11/17/2020 10:09 PM
4,4´-DDE	390	3.5	20		µg/Kg	10	11/17/2020 10:09 PM
4,4´-DDT	120	4.3	20		µg/Kg	10	11/17/2020 10:09 PM
Aldrin	ND	0.28	1.0		µg/Kg	1	11/16/2020 09:54 PM
alpha-BHC	ND	0.43	1.0		µg/Kg	1	11/16/2020 09:54 PM
alpha-Chlordane	ND	0.52	1.0		µg/Kg	1	11/16/2020 09:54 PM
beta-BHC	ND	0.34	1.0		µg/Kg	1	11/16/2020 09:54 PM
Chlordane	ND	2.3	8.5		µg/Kg	1	11/16/2020 09:54 PM
delta-BHC	ND	0.45	1.0		µg/Kg	1	11/16/2020 09:54 PM
Dieldrin	5.2	0.44	2.0		µg/Kg	1	11/16/2020 09:54 PM
Endosulfan I	ND	0.30	1.0		µg/Kg	1	11/16/2020 09:54 PM
Endosulfan II	ND	0.61	2.0		µg/Kg	1	11/16/2020 09:54 PM
Endosulfan sulfate	ND	0.48	2.0		µg/Kg	1	11/16/2020 09:54 PM
Endrin	ND	1.0	2.0		µg/Kg	1	11/16/2020 09:54 PM
Endrin aldehyde	ND	0.90	2.0		µg/Kg	1	11/16/2020 09:54 PM
Endrin ketone	ND	0.58	2.0		µg/Kg	1	11/16/2020 09:54 PM
gamma-BHC	ND	0.23	1.0		µg/Kg	1	11/16/2020 09:54 PM
gamma-Chlordane	ND	0.27	1.0		µg/Kg	1	11/16/2020 09:54 PM
Heptachlor	ND	0.60	1.0		µg/Kg	1	11/16/2020 09:54 PM
Heptachlor epoxide	ND	0.27	1.0		µg/Kg	1	11/16/2020 09:54 PM
Methoxychlor	ND	2.8	8.5		µg/Kg	1	11/16/2020 09:54 PM
Toxaphene	ND	14	85		µg/Kg	1	11/16/2020 09:54 PM
Surr: Tetrachloro-m-xylene	58.1	0	32-100		%REC	1	11/16/2020 09:54 PM
Surr: Decachlorobiphenyl	67.0	0	26-104		%REC	1	11/16/2020 09:54 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-007

Client Sample ID: SP2-D5
Collection Date: 11/12/2020 9:40:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 12:51 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 12:51 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 12:51 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 12:51 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 12:51 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 12:51 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 12:51 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 12:51 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 12:51 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 12:51 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 12:51 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 12:51 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 12:51 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 12:51 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 12:51 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 12:51 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 12:51 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 12:51 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 12:51 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-007

Client Sample ID: SP2-D5
Collection Date: 11/12/2020 9:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 12:51 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 12:51 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 12:51 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 12:51 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 12:51 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 12:51 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 12:51 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 12:51 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 12:51 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 12:51 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 12:51 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 12:51 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 12:51 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 12:51 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 12:51 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 12:51 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 12:51 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 12:51 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 12:51 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 12:51 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 12:51 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 12:51 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 12:51 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 12:51 AM
Surr: 1,2-Dichloroethane-d4	136	0	64-165		%REC	1	11/18/2020 12:51 AM
Surr: 4-Bromofluorobenzene	93.1	0	69-124		%REC	1	11/18/2020 12:51 AM
Surr: Dibromofluoromethane	117	0	72-142		%REC	1	11/18/2020 12:51 AM
Surr: Toluene-d8	103	0	75-124		%REC	1	11/18/2020 12:51 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116B** QC Batch: **83039**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	4.2	2.9	10	J	mg/Kg	1	11/17/2020 03:01 PM
ORO	5.3	1.8	10	J	mg/Kg	1	11/17/2020 03:01 PM
Surr: p-Terphenyl	90.0	0	56-133		%REC	1	11/17/2020 03:01 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-007

Client Sample ID: SP2-D5
Collection Date: 11/12/2020 9:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 02:17 PM
Surr: Chlorobenzene - d5	93.4	0	54-160		%REC	1	11/16/2020 02:17 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.090	0.027	0.10	J	mg/Kg	1	11/16/2020 01:41 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/17/2020 11:16 PM
Arsenic	0.93	0.54	1.0	J	mg/Kg	1	11/17/2020 11:16 PM
Barium	160	0.31	1.0		mg/Kg	1	11/17/2020 11:16 PM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/17/2020 11:16 PM
Cadmium	0.78	0.27	1.0	J	mg/Kg	1	11/17/2020 11:16 PM
Chromium	53	0.32	1.0		mg/Kg	1	11/17/2020 11:16 PM
Cobalt	14	0.29	1.0		mg/Kg	1	11/17/2020 11:16 PM
Copper	28	0.89	2.0		mg/Kg	1	11/17/2020 11:16 PM
Lead	5.3	0.29	1.0		mg/Kg	1	11/17/2020 11:16 PM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/17/2020 11:16 PM
Nickel	67	0.34	1.0		mg/Kg	1	11/17/2020 11:16 PM
Selenium	ND	0.60	1.0		mg/Kg	1	11/17/2020 11:16 PM
Silver	ND	0.62	1.0		mg/Kg	1	11/17/2020 11:16 PM
Thallium	ND	0.35	2.0		mg/Kg	1	11/17/2020 11:16 PM
Vanadium	38	0.22	1.0		mg/Kg	1	11/17/2020 11:16 PM
Zinc	51	0.30	1.0		mg/Kg	1	11/17/2020 11:16 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-008

Client Sample ID: SP2-D10
Collection Date: 11/12/2020 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 01:16 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 01:16 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 01:16 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 01:16 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 01:16 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 01:16 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 01:16 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 01:16 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 01:16 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 01:16 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 01:16 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 01:16 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 01:16 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 01:16 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 01:16 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 01:16 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 01:16 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 01:16 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 01:16 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-008

Client Sample ID: SP2-D10
Collection Date: 11/12/2020 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 01:16 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 01:16 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 01:16 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 01:16 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 01:16 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 01:16 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 01:16 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 01:16 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 01:16 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 01:16 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 01:16 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 01:16 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 01:16 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 01:16 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 01:16 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 01:16 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 01:16 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 01:16 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 01:16 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 01:16 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 01:16 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 01:16 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 01:16 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 01:16 AM
Surr: 1,2-Dichloroethane-d4	135	0	64-165		%REC	1	11/18/2020 01:16 AM
Surr: 4-Bromofluorobenzene	90.8	0	69-124		%REC	1	11/18/2020 01:16 AM
Surr: Dibromofluoromethane	117	0	72-142		%REC	1	11/18/2020 01:16 AM
Surr: Toluene-d8	100	0	75-124		%REC	1	11/18/2020 01:16 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116B** QC Batch: **83039**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	7.7	2.9	9.9	J	mg/Kg	1	11/17/2020 03:33 PM
ORO	8.3	1.8	9.9	J	mg/Kg	1	11/17/2020 03:33 PM
Surr: p-Terphenyl	92.7	0	56-133		%REC	1	11/17/2020 03:33 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-008

Client Sample ID: SP2-D10
Collection Date: 11/12/2020 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 02:47 PM
Surr: Chlorobenzene - d5	86.1	0	54-160		%REC	1	11/16/2020 02:47 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	1.4	0.027	0.10		mg/Kg	1	11/16/2020 03:02 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	0.65	0.33	2.0	J	mg/Kg	1	11/17/2020 11:22 PM
Arsenic	9.2	0.54	1.0		mg/Kg	1	11/17/2020 11:22 PM
Barium	160	0.31	1.0		mg/Kg	1	11/17/2020 11:22 PM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/17/2020 11:22 PM
Cadmium	0.89	0.27	1.0	J	mg/Kg	1	11/17/2020 11:22 PM
Chromium	80	0.32	1.0		mg/Kg	1	11/17/2020 11:22 PM
Cobalt	19	0.29	1.0		mg/Kg	1	11/17/2020 11:22 PM
Copper	37	0.89	2.0		mg/Kg	1	11/17/2020 11:22 PM
Lead	13	0.30	1.0		mg/Kg	1	11/17/2020 11:22 PM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/17/2020 11:22 PM
Nickel	150	0.34	1.0		mg/Kg	1	11/17/2020 11:22 PM
Selenium	ND	0.60	1.0		mg/Kg	1	11/17/2020 11:22 PM
Silver	ND	0.62	1.0		mg/Kg	1	11/17/2020 11:22 PM
Thallium	ND	0.35	2.0		mg/Kg	1	11/17/2020 11:22 PM
Vanadium	45	0.22	1.0		mg/Kg	1	11/17/2020 11:22 PM
Zinc	58	0.30	1.0		mg/Kg	1	11/17/2020 11:22 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-009

Client Sample ID: SP2-D15
Collection Date: 11/12/2020 9:50:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 01:40 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 01:40 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 01:40 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 01:40 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 01:40 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 01:40 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 01:40 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 01:40 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 01:40 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 01:40 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 01:40 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 01:40 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 01:40 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 01:40 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 01:40 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 01:40 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 01:40 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 01:40 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 01:40 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-009

Client Sample ID: SP2-D15
Collection Date: 11/12/2020 9:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 01:40 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 01:40 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 01:40 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 01:40 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 01:40 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 01:40 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 01:40 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 01:40 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 01:40 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 01:40 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 01:40 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 01:40 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 01:40 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 01:40 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 01:40 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 01:40 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 01:40 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 01:40 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 01:40 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 01:40 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 01:40 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 01:40 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 01:40 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 01:40 AM
Surr: 1,2-Dichloroethane-d4	125	0	64-165		%REC	1	11/18/2020 01:40 AM
Surr: 4-Bromofluorobenzene	92.5	0	69-124		%REC	1	11/18/2020 01:40 AM
Surr: Dibromofluoromethane	112	0	72-142		%REC	1	11/18/2020 01:40 AM
Surr: Toluene-d8	101	0	75-124		%REC	1	11/18/2020 01:40 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC1_201117A** QC Batch: **83051**				PrepDate:	**11/17/2020**		Analyst: **PL**
DRO	6.8	2.9	9.9	J	mg/Kg	1	11/17/2020 02:02 PM
ORO	7.2	1.8	9.9	J	mg/Kg	1	11/17/2020 02:02 PM
Surr: p-Terphenyl	102	0	56-133		%REC	1	11/17/2020 02:02 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-009

Client Sample ID: SP2-D15
Collection Date: 11/12/2020 9:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 03:17 PM
Surr: Chlorobenzene - d5	96.0	0	54-160		%REC	1	11/16/2020 03:17 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.13	0.027	0.10		mg/Kg	1	11/16/2020 01:50 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/17/2020 11:28 PM
Arsenic	3.2	0.54	1.0		mg/Kg	1	11/17/2020 11:28 PM
Barium	210	0.31	1.0		mg/Kg	1	11/17/2020 11:28 PM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/17/2020 11:28 PM
Cadmium	0.66	0.27	1.0	J	mg/Kg	1	11/17/2020 11:28 PM
Chromium	51	0.32	1.0		mg/Kg	1	11/17/2020 11:28 PM
Cobalt	14	0.29	1.0		mg/Kg	1	11/17/2020 11:28 PM
Copper	21	0.89	2.0		mg/Kg	1	11/17/2020 11:28 PM
Lead	3.5	0.30	1.0		mg/Kg	1	11/17/2020 11:28 PM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/17/2020 11:28 PM
Nickel	81	0.34	1.0		mg/Kg	1	11/17/2020 11:28 PM
Selenium	ND	0.60	1.0		mg/Kg	1	11/17/2020 11:28 PM
Silver	ND	0.62	1.0		mg/Kg	1	11/17/2020 11:28 PM
Thallium	ND	0.35	2.0		mg/Kg	1	11/17/2020 11:28 PM
Vanadium	50	0.22	1.0		mg/Kg	1	11/17/2020 11:28 PM
Zinc	34	0.30	1.0		mg/Kg	1	11/17/2020 11:28 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-010

Client Sample ID: SP2-D20
Collection Date: 11/12/2020 9:55:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 02:05 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 02:05 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 02:05 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 02:05 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 02:05 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 02:05 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 02:05 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 02:05 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 02:05 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 02:05 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 02:05 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 02:05 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 02:05 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 02:05 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 02:05 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 02:05 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 02:05 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 02:05 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 02:05 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-010

Client Sample ID: SP2-D20
Collection Date: 11/12/2020 9:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 02:05 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 02:05 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 02:05 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 02:05 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 02:05 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 02:05 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 02:05 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 02:05 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 02:05 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 02:05 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 02:05 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 02:05 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 02:05 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 02:05 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 02:05 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 02:05 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 02:05 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 02:05 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 02:05 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 02:05 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 02:05 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 02:05 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 02:05 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 02:05 AM
Surr: 1,2-Dichloroethane-d4	129	0	64-165		%REC	1	11/18/2020 02:05 AM
Surr: 4-Bromofluorobenzene	86.8	0	69-124		%REC	1	11/18/2020 02:05 AM
Surr: Dibromofluoromethane	114	0	72-142		%REC	1	11/18/2020 02:05 AM
Surr: Toluene-d8	95.7	0	75-124		%REC	1	11/18/2020 02:05 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116A** QC Batch: **83040**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	5.3	2.9	10	J	mg/Kg	1	11/16/2020 08:12 PM
ORO	6.1	1.8	10	J	mg/Kg	1	11/16/2020 08:12 PM
Surr: p-Terphenyl	88.0	0	56-133		%REC	1	11/16/2020 08:12 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-010

Client Sample ID: SP2-D20
Collection Date: 11/12/2020 9:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 03:48 PM
Surr: Chlorobenzene - d5	92.2	0	54-160		%REC	1	11/16/2020 03:48 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.14	0.027	0.099		mg/Kg	1	11/16/2020 01:53 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/17/2020 11:34 PM
Arsenic	6.9	0.54	1.0		mg/Kg	1	11/17/2020 11:34 PM
Barium	77	0.31	1.0		mg/Kg	1	11/17/2020 11:34 PM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/17/2020 11:34 PM
Cadmium	0.78	0.27	1.0	J	mg/Kg	1	11/17/2020 11:34 PM
Chromium	63	0.32	1.0		mg/Kg	1	11/17/2020 11:34 PM
Cobalt	17	0.29	1.0		mg/Kg	1	11/17/2020 11:34 PM
Copper	32	0.89	2.0		mg/Kg	1	11/17/2020 11:34 PM
Lead	4.9	0.30	1.0		mg/Kg	1	11/17/2020 11:34 PM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/17/2020 11:34 PM
Nickel	88	0.34	1.0		mg/Kg	1	11/17/2020 11:34 PM
Selenium	ND	0.60	1.0		mg/Kg	1	11/17/2020 11:34 PM
Silver	ND	0.62	1.0		mg/Kg	1	11/17/2020 11:34 PM
Thallium	ND	0.35	2.0		mg/Kg	1	11/17/2020 11:34 PM
Vanadium	51	0.22	1.0		mg/Kg	1	11/17/2020 11:34 PM
Zinc	51	0.30	1.0		mg/Kg	1	11/17/2020 11:34 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-011

Client Sample ID: SP3-D2
Collection Date: 11/12/2020 10:05:00 AM
Matrix: SOIL

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3546 **EPA 8081A**

RunID: **NV00922-GC7_201116A** QC Batch: **83038** PrepDate: **11/16/2020** Analyst: **LLR**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
4,4´-DDD	71	13	40		µg/Kg	20	11/17/2020 11:00 PM
4,4´-DDE	620	7.1	40		µg/Kg	20	11/17/2020 11:00 PM
4,4´-DDT	260	8.7	40		µg/Kg	20	11/17/2020 11:00 PM
Aldrin	ND	0.28	1.0		µg/Kg	1	11/16/2020 10:20 PM
alpha-BHC	ND	0.44	1.0		µg/Kg	1	11/16/2020 10:20 PM
alpha-Chlordane	ND	0.52	1.0		µg/Kg	1	11/16/2020 10:20 PM
beta-BHC	ND	0.35	1.0		µg/Kg	1	11/16/2020 10:20 PM
Chlordane	ND	2.4	8.5		µg/Kg	1	11/16/2020 10:20 PM
delta-BHC	ND	0.45	1.0		µg/Kg	1	11/16/2020 10:20 PM
Dieldrin	15	0.44	2.0		µg/Kg	1	11/16/2020 10:20 PM
Endosulfan I	ND	0.30	1.0		µg/Kg	1	11/16/2020 10:20 PM
Endosulfan II	ND	0.61	2.0		µg/Kg	1	11/16/2020 10:20 PM
Endosulfan sulfate	ND	0.49	2.0		µg/Kg	1	11/16/2020 10:20 PM
Endrin	ND	1.0	2.0		µg/Kg	1	11/16/2020 10:20 PM
Endrin aldehyde	ND	0.90	2.0		µg/Kg	1	11/16/2020 10:20 PM
Endrin ketone	ND	0.58	2.0		µg/Kg	1	11/16/2020 10:20 PM
gamma-BHC	ND	0.24	1.0		µg/Kg	1	11/16/2020 10:20 PM
gamma-Chlordane	ND	0.28	1.0		µg/Kg	1	11/16/2020 10:20 PM
Heptachlor	ND	0.60	1.0		µg/Kg	1	11/16/2020 10:20 PM
Heptachlor epoxide	ND	0.27	1.0		µg/Kg	1	11/16/2020 10:20 PM
Methoxychlor	ND	2.8	8.5		µg/Kg	1	11/16/2020 10:20 PM
Toxaphene	ND	15	85		µg/Kg	1	11/16/2020 10:20 PM
Surr: Tetrachloro-m-xylene	64.5	0	32-100		%REC	1	11/16/2020 10:20 PM
Surr: Decachlorobiphenyl	76.8	0	26-104		%REC	1	11/16/2020 10:20 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-012

Client Sample ID: SP3-D5
Collection Date: 11/12/2020 10:10:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 02:29 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 02:29 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 02:29 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 02:29 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 02:29 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 02:29 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 02:29 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 02:29 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 02:29 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 02:29 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 02:29 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 02:29 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 02:29 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 02:29 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 02:29 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 02:29 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 02:29 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 02:29 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 02:29 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-012

Client Sample ID: SP3-D5
Collection Date: 11/12/2020 10:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
EPA 8260B							
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 02:29 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 02:29 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 02:29 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 02:29 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 02:29 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 02:29 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 02:29 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 02:29 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 02:29 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 02:29 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 02:29 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 02:29 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 02:29 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 02:29 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 02:29 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 02:29 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 02:29 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 02:29 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 02:29 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 02:29 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 02:29 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 02:29 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 02:29 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 02:29 AM
Surr: 1,2-Dichloroethane-d4	140	0	64-165		%REC	1	11/18/2020 02:29 AM
Surr: 4-Bromofluorobenzene	94.0	0	69-124		%REC	1	11/18/2020 02:29 AM
Surr: Dibromofluoromethane	120	0	72-142		%REC	1	11/18/2020 02:29 AM
Surr: Toluene-d8	102	0	75-124		%REC	1	11/18/2020 02:29 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
EPA 3550B				**EPA 8015B**			
RunID: **NV00922-GC3_201116A** QC Batch: **83040**				PrepDate: **11/16/2020**			Analyst: **PL**
DRO	5.3	2.9	9.9	J	mg/Kg	1	11/16/2020 08:44 PM
ORO	5.8	1.8	9.9	J	mg/Kg	1	11/16/2020 08:44 PM
Surr: p-Terphenyl	88.8	0	56-133		%REC	1	11/16/2020 08:44 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-012

Client Sample ID: SP3-D5
Collection Date: 11/12/2020 10:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 04:18 PM
Surr: Chlorobenzene - d5	97.3	0	54-160		%REC	1	11/16/2020 04:18 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.062	0.027	0.10	J	mg/Kg	1	11/16/2020 01:57 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/17/2020 11:40 PM
Arsenic	2.8	0.54	1.0		mg/Kg	1	11/17/2020 11:40 PM
Barium	170	0.31	1.0		mg/Kg	1	11/17/2020 11:40 PM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/17/2020 11:40 PM
Cadmium	0.61	0.27	1.0	J	mg/Kg	1	11/17/2020 11:40 PM
Chromium	47	0.32	1.0		mg/Kg	1	11/17/2020 11:40 PM
Cobalt	13	0.29	1.0		mg/Kg	1	11/17/2020 11:40 PM
Copper	19	0.89	2.0		mg/Kg	1	11/17/2020 11:40 PM
Lead	2.9	0.30	1.0		mg/Kg	1	11/17/2020 11:40 PM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/17/2020 11:40 PM
Nickel	66	0.34	1.0		mg/Kg	1	11/17/2020 11:40 PM
Selenium	ND	0.60	1.0		mg/Kg	1	11/17/2020 11:40 PM
Silver	ND	0.62	1.0		mg/Kg	1	11/17/2020 11:40 PM
Thallium	ND	0.35	2.0		mg/Kg	1	11/17/2020 11:40 PM
Vanadium	49	0.22	1.0		mg/Kg	1	11/17/2020 11:40 PM
Zinc	32	0.30	1.0		mg/Kg	1	11/17/2020 11:40 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-013

Client Sample ID: SP3-D10
Collection Date: 11/12/2020 10:15:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 02:53 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 02:53 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 02:53 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 02:53 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 02:53 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 02:53 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 02:53 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 02:53 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 02:53 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 02:53 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 02:53 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 02:53 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 02:53 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 02:53 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 02:53 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 02:53 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 02:53 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 02:53 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 02:53 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-013

Client Sample ID: SP3-D10
Collection Date: 11/12/2020 10:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
EPA 8260B							
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 02:53 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 02:53 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 02:53 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 02:53 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 02:53 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 02:53 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 02:53 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 02:53 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 02:53 AM
Methylene chloride	3.8	3.6	5.0	J	µg/Kg	1	11/18/2020 02:53 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 02:53 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 02:53 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 02:53 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 02:53 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 02:53 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 02:53 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 02:53 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 02:53 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 02:53 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 02:53 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 02:53 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 02:53 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 02:53 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 02:53 AM
Surr: 1,2-Dichloroethane-d4	143	0	64-165		%REC	1	11/18/2020 02:53 AM
Surr: 4-Bromofluorobenzene	96.5	0	69-124		%REC	1	11/18/2020 02:53 AM
Surr: Dibromofluoromethane	124	0	72-142		%REC	1	11/18/2020 02:53 AM
Surr: Toluene-d8	107	0	75-124		%REC	1	11/18/2020 02:53 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
EPA 3550B			**EPA 8015B**				
RunID: **NV00922-GC3_201116A** QC Batch: **83040**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	7.0	2.9	9.9	J	mg/Kg	1	11/16/2020 09:15 PM
ORO	7.2	1.8	9.9	J	mg/Kg	1	11/16/2020 09:15 PM
Surr: p-Terphenyl	88.5	0	56-133		%REC	1	11/16/2020 09:15 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-013

Client Sample ID: SP3-D10
Collection Date: 11/12/2020 10:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 04:49 PM
Surr: Chlorobenzene - d5	95.5	0	54-160		%REC	1	11/16/2020 04:49 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.071	0.027	0.10	J	mg/Kg	1	11/16/2020 02:00 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/17/2020 11:56 PM
Arsenic	ND	0.54	1.0		mg/Kg	1	11/17/2020 11:56 PM
Barium	110	0.31	1.0		mg/Kg	1	11/17/2020 11:56 PM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/17/2020 11:56 PM
Cadmium	0.72	0.27	1.0	J	mg/Kg	1	11/17/2020 11:56 PM
Chromium	52	0.32	1.0		mg/Kg	1	11/17/2020 11:56 PM
Cobalt	15	0.29	1.0		mg/Kg	1	11/17/2020 11:56 PM
Copper	24	0.89	2.0		mg/Kg	1	11/17/2020 11:56 PM
Lead	3.7	0.29	1.0		mg/Kg	1	11/17/2020 11:56 PM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/17/2020 11:56 PM
Nickel	69	0.34	1.0		mg/Kg	1	11/17/2020 11:56 PM
Selenium	ND	0.60	1.0		mg/Kg	1	11/17/2020 11:56 PM
Silver	ND	0.62	1.0		mg/Kg	1	11/17/2020 11:56 PM
Thallium	ND	0.35	2.0		mg/Kg	1	11/17/2020 11:56 PM
Vanadium	47	0.22	1.0		mg/Kg	1	11/17/2020 11:56 PM
Zinc	38	0.30	1.0		mg/Kg	1	11/17/2020 11:56 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-014

Client Sample ID: SP3-D15
Collection Date: 11/12/2020 10:20:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 03:18 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 03:18 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 03:18 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 03:18 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 03:18 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 03:18 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 03:18 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 03:18 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 03:18 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 03:18 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 03:18 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 03:18 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 03:18 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 03:18 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 03:18 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 03:18 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 03:18 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 03:18 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 03:18 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-014

Client Sample ID: SP3-D15
Collection Date: 11/12/2020 10:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 03:18 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 03:18 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 03:18 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 03:18 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 03:18 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 03:18 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 03:18 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 03:18 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 03:18 AM
Methylene chloride	3.8	3.6	5.0	J	µg/Kg	1	11/18/2020 03:18 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 03:18 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 03:18 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 03:18 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 03:18 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 03:18 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 03:18 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 03:18 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 03:18 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 03:18 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 03:18 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 03:18 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 03:18 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 03:18 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 03:18 AM
Surr: 1,2-Dichloroethane-d4	142	0	64-165		%REC	1	11/18/2020 03:18 AM
Surr: 4-Bromofluorobenzene	90.5	0	69-124		%REC	1	11/18/2020 03:18 AM
Surr: Dibromofluoromethane	126	0	72-142		%REC	1	11/18/2020 03:18 AM
Surr: Toluene-d8	103	0	75-124		%REC	1	11/18/2020 03:18 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116A** QC Batch: **83040**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	4.1	2.9	9.9	J	mg/Kg	1	11/16/2020 09:47 PM
ORO	4.7	1.8	9.9	J	mg/Kg	1	11/16/2020 09:47 PM
Surr: p-Terphenyl	88.8	0	56-133		%REC	1	11/16/2020 09:47 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-014

Client Sample ID: SP3-D15
Collection Date: 11/12/2020 10:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 06:01 PM
Surr: Chlorobenzene - d5	97.0	0	54-160		%REC	1	11/16/2020 06:01 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.17	0.027	0.099		mg/Kg	1	11/16/2020 02:04 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/18/2020 12:01 AM
Arsenic	7.4	0.54	1.0		mg/Kg	1	11/18/2020 12:01 AM
Barium	150	0.31	1.0		mg/Kg	1	11/18/2020 12:01 AM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/18/2020 12:01 AM
Cadmium	0.86	0.27	1.0	J	mg/Kg	1	11/18/2020 12:01 AM
Chromium	69	0.32	1.0		mg/Kg	1	11/18/2020 12:01 AM
Cobalt	20	0.29	1.0		mg/Kg	1	11/18/2020 12:01 AM
Copper	37	0.89	2.0		mg/Kg	1	11/18/2020 12:01 AM
Lead	6.7	0.30	1.0		mg/Kg	1	11/18/2020 12:01 AM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/18/2020 12:01 AM
Nickel	100	0.34	1.0		mg/Kg	1	11/18/2020 12:01 AM
Selenium	ND	0.60	1.0		mg/Kg	1	11/18/2020 12:01 AM
Silver	ND	0.62	1.0		mg/Kg	1	11/18/2020 12:01 AM
Thallium	ND	0.35	2.0		mg/Kg	1	11/18/2020 12:01 AM
Vanadium	45	0.22	1.0		mg/Kg	1	11/18/2020 12:01 AM
Zinc	60	0.30	1.0		mg/Kg	1	11/18/2020 12:01 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-015

Client Sample ID: SP3-D20
Collection Date: 11/12/2020 10:25:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 03:42 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 03:42 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 03:42 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 03:42 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 03:42 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 03:42 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 03:42 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 03:42 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 03:42 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 03:42 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 03:42 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 03:42 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 03:42 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 03:42 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 03:42 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 03:42 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 03:42 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 03:42 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 03:42 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-015

Client Sample ID: SP3-D20
Collection Date: 11/12/2020 10:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 03:42 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 03:42 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 03:42 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 03:42 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 03:42 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 03:42 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 03:42 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 03:42 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 03:42 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 03:42 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 03:42 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 03:42 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 03:42 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 03:42 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 03:42 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 03:42 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 03:42 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 03:42 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 03:42 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 03:42 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 03:42 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 03:42 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 03:42 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 03:42 AM
Surr: 1,2-Dichloroethane-d4	124	0	64-165		%REC	1	11/18/2020 03:42 AM
Surr: 4-Bromofluorobenzene	88.7	0	69-124		%REC	1	11/18/2020 03:42 AM
Surr: Dibromofluoromethane	114	0	72-142		%REC	1	11/18/2020 03:42 AM
Surr: Toluene-d8	102	0	75-124		%REC	1	11/18/2020 03:42 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116A** QC Batch: **83040**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	4.2	2.9	10	J	mg/Kg	1	11/16/2020 10:18 PM
ORO	5.7	1.8	10	J	mg/Kg	1	11/16/2020 10:18 PM
Surr: p-Terphenyl	88.7	0	56-133		%REC	1	11/16/2020 10:18 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-015

Client Sample ID: SP3-D20
Collection Date: 11/12/2020 10:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 06:32 PM
Surr: Chlorobenzene - d5	98.3	0	54-160		%REC	1	11/16/2020 06:32 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.049	0.027	0.10	J	mg/Kg	1	11/16/2020 02:14 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/18/2020 12:07 AM
Arsenic	ND	0.54	1.0		mg/Kg	1	11/18/2020 12:07 AM
Barium	45	0.31	1.0		mg/Kg	1	11/18/2020 12:07 AM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/18/2020 12:07 AM
Cadmium	0.39	0.27	1.0	J	mg/Kg	1	11/18/2020 12:07 AM
Chromium	29	0.32	1.0		mg/Kg	1	11/18/2020 12:07 AM
Cobalt	7.2	0.29	1.0		mg/Kg	1	11/18/2020 12:07 AM
Copper	12	0.89	2.0		mg/Kg	1	11/18/2020 12:07 AM
Lead	2.6	0.30	1.0		mg/Kg	1	11/18/2020 12:07 AM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/18/2020 12:07 AM
Nickel	31	0.34	1.0		mg/Kg	1	11/18/2020 12:07 AM
Selenium	ND	0.60	1.0		mg/Kg	1	11/18/2020 12:07 AM
Silver	ND	0.62	1.0		mg/Kg	1	11/18/2020 12:07 AM
Thallium	ND	0.35	2.0		mg/Kg	1	11/18/2020 12:07 AM
Vanadium	27	0.22	1.0		mg/Kg	1	11/18/2020 12:07 AM
Zinc	24	0.30	1.0		mg/Kg	1	11/18/2020 12:07 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-016

Client Sample ID: SP4-D2
Collection Date: 11/12/2020 10:35:00 AM
Matrix: SOIL

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3546 **EPA 8081A**

RunID: **NV00922-GC7_201116A** QC Batch: **83038** PrepDate: **11/16/2020** Analyst: **LLR**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
4,4´-DDD	13	0.68	2.0		µg/Kg	1	11/16/2020 10:46 PM
4,4´-DDE	180	3.5	20		µg/Kg	10	11/17/2020 11:51 PM
4,4´-DDT	42	0.43	2.0		µg/Kg	1	11/16/2020 10:46 PM
Aldrin	ND	0.28	1.0		µg/Kg	1	11/16/2020 10:46 PM
alpha-BHC	ND	0.44	1.0		µg/Kg	1	11/16/2020 10:46 PM
alpha-Chlordane	ND	0.52	1.0		µg/Kg	1	11/16/2020 10:46 PM
beta-BHC	ND	0.35	1.0		µg/Kg	1	11/16/2020 10:46 PM
Chlordane	ND	2.4	8.5		µg/Kg	1	11/16/2020 10:46 PM
delta-BHC	ND	0.45	1.0		µg/Kg	1	11/16/2020 10:46 PM
Dieldrin	3.3	0.44	2.0		µg/Kg	1	11/16/2020 10:46 PM
Endosulfan I	ND	0.30	1.0		µg/Kg	1	11/16/2020 10:46 PM
Endosulfan II	ND	0.61	2.0		µg/Kg	1	11/16/2020 10:46 PM
Endosulfan sulfate	ND	0.49	2.0		µg/Kg	1	11/16/2020 10:46 PM
Endrin	ND	1.0	2.0		µg/Kg	1	11/16/2020 10:46 PM
Endrin aldehyde	ND	0.90	2.0		µg/Kg	1	11/16/2020 10:46 PM
Endrin ketone	ND	0.58	2.0		µg/Kg	1	11/16/2020 10:46 PM
gamma-BHC	ND	0.24	1.0		µg/Kg	1	11/16/2020 10:46 PM
gamma-Chlordane	ND	0.28	1.0		µg/Kg	1	11/16/2020 10:46 PM
Heptachlor	ND	0.60	1.0		µg/Kg	1	11/16/2020 10:46 PM
Heptachlor epoxide	ND	0.27	1.0		µg/Kg	1	11/16/2020 10:46 PM
Methoxychlor	ND	2.8	8.5		µg/Kg	1	11/16/2020 10:46 PM
Toxaphene	ND	15	85		µg/Kg	1	11/16/2020 10:46 PM
Surr: Tetrachloro-m-xylene	69.8	0	32-100		%REC	1	11/16/2020 10:46 PM
Surr: Decachlorobiphenyl	79.0	0	26-104		%REC	1	11/16/2020 10:46 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-017

Client Sample ID: SP4-D5
Collection Date: 11/12/2020 10:40:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 04:06 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 04:06 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 04:06 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 04:06 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 04:06 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 04:06 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 04:06 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 04:06 AM
Benzene	0.72	0.21	5.0	J	µg/Kg	1	11/18/2020 04:06 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 04:06 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 04:06 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 04:06 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 04:06 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 04:06 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 04:06 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 04:06 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 04:06 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 04:06 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 04:06 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-017

Client Sample ID: SP4-D5
Collection Date: 11/12/2020 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 04:06 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 04:06 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 04:06 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 04:06 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 04:06 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 04:06 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 04:06 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 04:06 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 04:06 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 04:06 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 04:06 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 04:06 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 04:06 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 04:06 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 04:06 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 04:06 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 04:06 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 04:06 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 04:06 AM
Toluene	0.84	0.29	5.0	J	µg/Kg	1	11/18/2020 04:06 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 04:06 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 04:06 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 04:06 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 04:06 AM
Surr: 1,2-Dichloroethane-d4	146	0	64-165		%REC	1	11/18/2020 04:06 AM
Surr: 4-Bromofluorobenzene	95.6	0	69-124		%REC	1	11/18/2020 04:06 AM
Surr: Dibromofluoromethane	127	0	72-142		%REC	1	11/18/2020 04:06 AM
Surr: Toluene-d8	107	0	75-124		%REC	1	11/18/2020 04:06 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
	EPA 3550B				**EPA 8015B**		
RunID: **NV00922-GC3_201116A** QC Batch: **83040**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	3.4	2.9	10	J	mg/Kg	1	11/17/2020 12:24 AM
ORO	4.6	1.8	10	J	mg/Kg	1	11/17/2020 12:24 AM
Surr: p-Terphenyl	94.2	0	56-133		%REC	1	11/17/2020 12:24 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-017

Client Sample ID: SP4-D5
Collection Date: 11/12/2020 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 07:02 PM
Surr: Chlorobenzene - d5	98.6	0	54-160		%REC	1	11/16/2020 07:02 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.070	0.027	0.10	J	mg/Kg	1	11/16/2020 02:17 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/18/2020 12:14 AM
Arsenic	2.4	0.54	1.0		mg/Kg	1	11/18/2020 12:14 AM
Barium	180	0.31	1.0		mg/Kg	1	11/18/2020 12:14 AM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/18/2020 12:14 AM
Cadmium	0.69	0.27	1.0	J	mg/Kg	1	11/18/2020 12:14 AM
Chromium	54	0.32	1.0		mg/Kg	1	11/18/2020 12:14 AM
Cobalt	13	0.29	1.0		mg/Kg	1	11/18/2020 12:14 AM
Copper	22	0.89	2.0		mg/Kg	1	11/18/2020 12:14 AM
Lead	3.3	0.30	1.0		mg/Kg	1	11/18/2020 12:14 AM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/18/2020 12:14 AM
Nickel	69	0.34	1.0		mg/Kg	1	11/18/2020 12:14 AM
Selenium	ND	0.60	1.0		mg/Kg	1	11/18/2020 12:14 AM
Silver	ND	0.62	1.0		mg/Kg	1	11/18/2020 12:14 AM
Thallium	ND	0.35	2.0		mg/Kg	1	11/18/2020 12:14 AM
Vanadium	54	0.22	1.0		mg/Kg	1	11/18/2020 12:14 AM
Zinc	38	0.30	1.0		mg/Kg	1	11/18/2020 12:14 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-018

Client Sample ID: SP4-D10
Collection Date: 11/12/2020 10:45:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 04:31 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 04:31 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 04:31 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 04:31 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 04:31 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 04:31 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 04:31 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 04:31 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 04:31 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 04:31 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 04:31 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 04:31 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 04:31 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 04:31 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 04:31 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 04:31 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 04:31 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 04:31 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 04:31 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-018

Client Sample ID: SP4-D10
Collection Date: 11/12/2020 10:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 04:31 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 04:31 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 04:31 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 04:31 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 04:31 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 04:31 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 04:31 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 04:31 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 04:31 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 04:31 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 04:31 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 04:31 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 04:31 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 04:31 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 04:31 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 04:31 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 04:31 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 04:31 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 04:31 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 04:31 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 04:31 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 04:31 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 04:31 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 04:31 AM
Surr: 1,2-Dichloroethane-d4	141	0	64-165		%REC	1	11/18/2020 04:31 AM
Surr: 4-Bromofluorobenzene	93.7	0	69-124		%REC	1	11/18/2020 04:31 AM
Surr: Dibromofluoromethane	123	0	72-142		%REC	1	11/18/2020 04:31 AM
Surr: Toluene-d8	104	0	75-124		%REC	1	11/18/2020 04:31 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116A** QC Batch: **83040**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	3.6	2.9	9.9	J	mg/Kg	1	11/17/2020 12:55 AM
ORO	4.4	1.8	9.9	J	mg/Kg	1	11/17/2020 12:55 AM
Surr: p-Terphenyl	98.0	0	56-133		%REC	1	11/17/2020 12:55 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-018

Client Sample ID: SP4-D10
Collection Date: 11/12/2020 10:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 07:32 PM
Surr: Chlorobenzene - d5	101	0	54-160		%REC	1	11/16/2020 07:32 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.081	0.027	0.099	J	mg/Kg	1	11/16/2020 02:21 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/18/2020 12:19 AM
Arsenic	ND	0.54	1.0		mg/Kg	1	11/18/2020 12:19 AM
Barium	71	0.31	1.0		mg/Kg	1	11/18/2020 12:19 AM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/18/2020 12:19 AM
Cadmium	0.61	0.27	1.0	J	mg/Kg	1	11/18/2020 12:19 AM
Chromium	48	0.32	1.0		mg/Kg	1	11/18/2020 12:19 AM
Cobalt	16	0.29	1.0		mg/Kg	1	11/18/2020 12:19 AM
Copper	24	0.89	2.0		mg/Kg	1	11/18/2020 12:19 AM
Lead	3.5	0.30	1.0		mg/Kg	1	11/18/2020 12:19 AM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/18/2020 12:19 AM
Nickel	64	0.34	1.0		mg/Kg	1	11/18/2020 12:19 AM
Selenium	ND	0.60	1.0		mg/Kg	1	11/18/2020 12:19 AM
Silver	ND	0.62	1.0		mg/Kg	1	11/18/2020 12:19 AM
Thallium	ND	0.35	2.0		mg/Kg	1	11/18/2020 12:19 AM
Vanadium	44	0.22	1.0		mg/Kg	1	11/18/2020 12:19 AM
Zinc	31	0.30	1.0		mg/Kg	1	11/18/2020 12:19 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out

CLIENT:	Burns & McDonnell	**Client Sample ID:**	SP4-D15
Lab Order:	N043035	**Collection Date:**	11/12/2020 10:50:00 AM
Project:	San Jose 07USW, 127712	**Matrix:**	SOIL
Lab ID:	N043035-019		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 04:55 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 04:55 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 04:55 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 04:55 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 04:55 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 04:55 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 04:55 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 04:55 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 04:55 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 04:55 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 04:55 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 04:55 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 04:55 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 04:55 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 04:55 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 04:55 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 04:55 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 04:55 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 04:55 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-019

Client Sample ID: SP4-D15
Collection Date: 11/12/2020 10:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 04:55 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 04:55 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 04:55 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 04:55 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 04:55 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 04:55 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 04:55 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 04:55 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 04:55 AM
Methylene chloride	3.8	3.6	5.0	J	µg/Kg	1	11/18/2020 04:55 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 04:55 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 04:55 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 04:55 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 04:55 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 04:55 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 04:55 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 04:55 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 04:55 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 04:55 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 04:55 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 04:55 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 04:55 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 04:55 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 04:55 AM
Surr: 1,2-Dichloroethane-d4	142	0	64-165		%REC	1	11/18/2020 04:55 AM
Surr: 4-Bromofluorobenzene	85.4	0	69-124		%REC	1	11/18/2020 04:55 AM
Surr: Dibromofluoromethane	127	0	72-142		%REC	1	11/18/2020 04:55 AM
Surr: Toluene-d8	102	0	75-124		%REC	1	11/18/2020 04:55 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116A** QC Batch: **83040**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	4.6	2.9	9.9	J	mg/Kg	1	11/17/2020 01:27 AM
ORO	5.3	1.8	9.9	J	mg/Kg	1	11/17/2020 01:27 AM
Surr: p-Terphenyl	93.7	0	56-133		%REC	1	11/17/2020 01:27 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-019

Client Sample ID: SP4-D15
Collection Date: 11/12/2020 10:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 08:03 PM
Surr: Chlorobenzene - d5	93.4	0	54-160		%REC	1	11/16/2020 08:03 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.087	0.027	0.10	J	mg/Kg	1	11/16/2020 02:24 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/18/2020 12:25 AM
Arsenic	0.61	0.54	1.0	J	mg/Kg	1	11/18/2020 12:25 AM
Barium	120	0.31	1.0		mg/Kg	1	11/18/2020 12:25 AM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/18/2020 12:25 AM
Cadmium	0.68	0.27	1.0	J	mg/Kg	1	11/18/2020 12:25 AM
Chromium	53	0.32	1.0		mg/Kg	1	11/18/2020 12:25 AM
Cobalt	15	0.29	1.0		mg/Kg	1	11/18/2020 12:25 AM
Copper	30	0.89	2.0		mg/Kg	1	11/18/2020 12:25 AM
Lead	5.7	0.29	1.0		mg/Kg	1	11/18/2020 12:25 AM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/18/2020 12:25 AM
Nickel	77	0.34	1.0		mg/Kg	1	11/18/2020 12:25 AM
Selenium	ND	0.60	1.0		mg/Kg	1	11/18/2020 12:25 AM
Silver	ND	0.62	1.0		mg/Kg	1	11/18/2020 12:25 AM
Thallium	ND	0.35	2.0		mg/Kg	1	11/18/2020 12:25 AM
Vanadium	43	0.22	1.0		mg/Kg	1	11/18/2020 12:25 AM
Zinc	52	0.30	1.0		mg/Kg	1	11/18/2020 12:25 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-020

Client Sample ID: SP4-D20
Collection Date: 11/12/2020 10:55:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 05:19 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 05:19 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 05:19 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 05:19 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 05:19 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 05:19 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 05:19 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 05:19 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 05:19 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 05:19 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 05:19 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 05:19 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 05:19 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 05:19 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 05:19 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 05:19 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 05:19 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 05:19 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 05:19 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-020

Client Sample ID: SP4-D20
Collection Date: 11/12/2020 10:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 05:19 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 05:19 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 05:19 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 05:19 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 05:19 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 05:19 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 05:19 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 05:19 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 05:19 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 05:19 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 05:19 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 05:19 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 05:19 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 05:19 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 05:19 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 05:19 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 05:19 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 05:19 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 05:19 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 05:19 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 05:19 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 05:19 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 05:19 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 05:19 AM
Surr: 1,2-Dichloroethane-d4	139	0	64-165		%REC	1	11/18/2020 05:19 AM
Surr: 4-Bromofluorobenzene	90.4	0	69-124		%REC	1	11/18/2020 05:19 AM
Surr: Dibromofluoromethane	124	0	72-142		%REC	1	11/18/2020 05:19 AM
Surr: Toluene-d8	103	0	75-124		%REC	1	11/18/2020 05:19 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116A** QC Batch: **83040**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	4.7	2.9	10	J	mg/Kg	1	11/17/2020 01:58 AM
ORO	5.7	1.8	10	J	mg/Kg	1	11/17/2020 01:58 AM
Surr: p-Terphenyl	99.5	0	56-133		%REC	1	11/17/2020 01:58 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-020

Client Sample ID: SP4-D20
Collection Date: 11/12/2020 10:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 08:33 PM
Surr: Chlorobenzene - d5	97.9	0	54-160		%REC	1	11/16/2020 08:33 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.48	0.027	0.099		mg/Kg	1	11/16/2020 02:28 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/18/2020 12:31 AM
Arsenic	ND	0.54	1.0		mg/Kg	1	11/18/2020 12:31 AM
Barium	65	0.31	1.0		mg/Kg	1	11/18/2020 12:31 AM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/18/2020 12:31 AM
Cadmium	0.45	0.27	1.0	J	mg/Kg	1	11/18/2020 12:31 AM
Chromium	26	0.32	1.0		mg/Kg	1	11/18/2020 12:31 AM
Cobalt	7.5	0.29	1.0		mg/Kg	1	11/18/2020 12:31 AM
Copper	15	0.89	2.0		mg/Kg	1	11/18/2020 12:31 AM
Lead	3.3	0.30	1.0		mg/Kg	1	11/18/2020 12:31 AM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/18/2020 12:31 AM
Nickel	32	0.34	1.0		mg/Kg	1	11/18/2020 12:31 AM
Selenium	ND	0.60	1.0		mg/Kg	1	11/18/2020 12:31 AM
Silver	ND	0.62	1.0		mg/Kg	1	11/18/2020 12:31 AM
Thallium	ND	0.35	2.0		mg/Kg	1	11/18/2020 12:31 AM
Vanadium	27	0.22	1.0		mg/Kg	1	11/18/2020 12:31 AM
Zinc	25	0.30	1.0		mg/Kg	1	11/18/2020 12:31 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-021

Client Sample ID: SP5-D2
Collection Date: 11/12/2020 11:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD							
EPA 3546			**EPA 8081A**				
RunID: **NV00922-GC7_201116A** QC Batch: **83038**				PrepDate:	**11/16/2020**		Analyst: **LLR**
4,4´-DDD	12	0.68	2.0		µg/Kg	1	11/16/2020 11:11 PM
4,4´-DDE	100	1.8	10		µg/Kg	5	11/18/2020 12:17 AM
4,4´-DDT	33	0.43	2.0		µg/Kg	1	11/16/2020 11:11 PM
Aldrin	ND	0.28	1.0		µg/Kg	1	11/16/2020 11:11 PM
alpha-BHC	ND	0.44	1.0		µg/Kg	1	11/16/2020 11:11 PM
alpha-Chlordane	ND	0.52	1.0		µg/Kg	1	11/16/2020 11:11 PM
beta-BHC	ND	0.35	1.0		µg/Kg	1	11/16/2020 11:11 PM
Chlordane	ND	2.4	8.5		µg/Kg	1	11/16/2020 11:11 PM
delta-BHC	ND	0.45	1.0		µg/Kg	1	11/16/2020 11:11 PM
Dieldrin	1.6	0.44	2.0	J	µg/Kg	1	11/16/2020 11:11 PM
Endosulfan I	ND	0.30	1.0		µg/Kg	1	11/16/2020 11:11 PM
Endosulfan II	ND	0.61	2.0		µg/Kg	1	11/16/2020 11:11 PM
Endosulfan sulfate	ND	0.49	2.0		µg/Kg	1	11/16/2020 11:11 PM
Endrin	ND	1.0	2.0		µg/Kg	1	11/16/2020 11:11 PM
Endrin aldehyde	ND	0.90	2.0		µg/Kg	1	11/16/2020 11:11 PM
Endrin ketone	ND	0.58	2.0		µg/Kg	1	11/16/2020 11:11 PM
gamma-BHC	ND	0.24	1.0		µg/Kg	1	11/16/2020 11:11 PM
gamma-Chlordane	ND	0.28	1.0		µg/Kg	1	11/16/2020 11:11 PM
Heptachlor	ND	0.60	1.0		µg/Kg	1	11/16/2020 11:11 PM
Heptachlor epoxide	ND	0.27	1.0		µg/Kg	1	11/16/2020 11:11 PM
Methoxychlor	ND	2.8	8.5		µg/Kg	1	11/16/2020 11:11 PM
Toxaphene	ND	15	85		µg/Kg	1	11/16/2020 11:11 PM
Surr: Tetrachloro-m-xylene	48.4	0	32-100		%REC	1	11/16/2020 11:11 PM
Surr: Decachlorobiphenyl	65.3	0	26-104		%REC	1	11/16/2020 11:11 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-022

Client Sample ID: SP5-D5
Collection Date: 11/12/2020 11:10:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 05:44 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 05:44 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 05:44 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 05:44 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 05:44 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 05:44 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 05:44 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 05:44 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 05:44 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 05:44 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 05:44 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 05:44 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 05:44 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 05:44 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 05:44 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 05:44 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 05:44 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 05:44 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 05:44 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-022

Client Sample ID: SP5-D5
Collection Date: 11/12/2020 11:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 05:44 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 05:44 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 05:44 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 05:44 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 05:44 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 05:44 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 05:44 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 05:44 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 05:44 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 05:44 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 05:44 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 05:44 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 05:44 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 05:44 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 05:44 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 05:44 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 05:44 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 05:44 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 05:44 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 05:44 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 05:44 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 05:44 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 05:44 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 05:44 AM
Surr: 1,2-Dichloroethane-d4	145	0	64-165		%REC	1	11/18/2020 05:44 AM
Surr: 4-Bromofluorobenzene	93.1	0	69-124		%REC	1	11/18/2020 05:44 AM
Surr: Dibromofluoromethane	126	0	72-142		%REC	1	11/18/2020 05:44 AM
Surr: Toluene-d8	103	0	75-124		%REC	1	11/18/2020 05:44 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116A** QC Batch: **83040**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	4.1	2.9	10	J	mg/Kg	1	11/17/2020 02:29 AM
ORO	6.1	1.8	10	J	mg/Kg	1	11/17/2020 02:29 AM
Surr: p-Terphenyl	97.0	0	56-133		%REC	1	11/17/2020 02:29 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Burns & McDonnell	**Client Sample ID:**	SP5-D5
Lab Order:	N043035	**Collection Date:**	11/12/2020 11:10:00 AM
Project:	San Jose 07USW, 127712	**Matrix:**	SOIL
Lab ID:	N043035-022		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC12_201116A** QC Batch: **Q20VS069**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 09:03 PM
Surr: Chlorobenzene - d5	92.3	0	54-160		%REC	1	11/16/2020 09:03 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.080	0.027	0.099	J	mg/Kg	1	11/16/2020 02:31 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/18/2020 12:37 AM
Arsenic	0.55	0.54	1.0	J	mg/Kg	1	11/18/2020 12:37 AM
Barium	180	0.31	1.0		mg/Kg	1	11/18/2020 12:37 AM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/18/2020 12:37 AM
Cadmium	0.73	0.27	1.0	J	mg/Kg	1	11/18/2020 12:37 AM
Chromium	51	0.32	1.0		mg/Kg	1	11/18/2020 12:37 AM
Cobalt	13	0.29	1.0		mg/Kg	1	11/18/2020 12:37 AM
Copper	26	0.89	2.0		mg/Kg	1	11/18/2020 12:37 AM
Lead	5.0	0.30	1.0		mg/Kg	1	11/18/2020 12:37 AM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/18/2020 12:37 AM
Nickel	62	0.34	1.0		mg/Kg	1	11/18/2020 12:37 AM
Selenium	ND	0.60	1.0		mg/Kg	1	11/18/2020 12:37 AM
Silver	ND	0.62	1.0		mg/Kg	1	11/18/2020 12:37 AM
Thallium	ND	0.35	2.0		mg/Kg	1	11/18/2020 12:37 AM
Vanadium	46	0.22	1.0		mg/Kg	1	11/18/2020 12:37 AM
Zinc	48	0.30	1.0		mg/Kg	1	11/18/2020 12:37 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-023

Client Sample ID: SP5-D10
Collection Date: 11/12/2020 11:15:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 06:08 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 06:08 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 06:08 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 06:08 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 06:08 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 06:08 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 06:08 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 06:08 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 06:08 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 06:08 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 06:08 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 06:08 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 06:08 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 06:08 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 06:08 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 06:08 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 06:08 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 06:08 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 06:08 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-023

Client Sample ID: SP5-D10
Collection Date: 11/12/2020 11:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 06:08 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 06:08 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 06:08 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 06:08 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 06:08 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 06:08 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 06:08 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 06:08 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 06:08 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 06:08 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 06:08 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 06:08 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 06:08 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 06:08 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 06:08 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 06:08 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 06:08 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 06:08 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 06:08 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 06:08 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 06:08 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 06:08 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 06:08 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 06:08 AM
Surr: 1,2-Dichloroethane-d4	130	0	64-165		%REC	1	11/18/2020 06:08 AM
Surr: 4-Bromofluorobenzene	94.0	0	69-124		%REC	1	11/18/2020 06:08 AM
Surr: Dibromofluoromethane	114	0	72-142		%REC	1	11/18/2020 06:08 AM
Surr: Toluene-d8	103	0	75-124		%REC	1	11/18/2020 06:08 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116A** QC Batch: **83040**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	4.3	2.9	10	J	mg/Kg	1	11/17/2020 03:00 AM
ORO	5.8	1.8	10	J	mg/Kg	1	11/17/2020 03:00 AM
Surr: p-Terphenyl	107	0	56-133		%REC	1	11/17/2020 03:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-023

Client Sample ID: SP5-D10
Collection Date: 11/12/2020 11:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC4_201116A** QC Batch: **E20VS172**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 08:11 PM
Surr: Chlorobenzene - d5	120	0	54-160		%REC	1	11/16/2020 08:11 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.033	0.027	0.10	J	mg/Kg	1	11/16/2020 02:34 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/18/2020 12:43 AM
Arsenic	ND	0.54	1.0		mg/Kg	1	11/18/2020 12:43 AM
Barium	67	0.31	1.0		mg/Kg	1	11/18/2020 12:43 AM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/18/2020 12:43 AM
Cadmium	0.40	0.27	1.0	J	mg/Kg	1	11/18/2020 12:43 AM
Chromium	31	0.32	1.0		mg/Kg	1	11/18/2020 12:43 AM
Cobalt	8.9	0.29	1.0		mg/Kg	1	11/18/2020 12:43 AM
Copper	12	0.89	2.0		mg/Kg	1	11/18/2020 12:43 AM
Lead	3.0	0.30	1.0		mg/Kg	1	11/18/2020 12:43 AM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/18/2020 12:43 AM
Nickel	36	0.34	1.0		mg/Kg	1	11/18/2020 12:43 AM
Selenium	ND	0.60	1.0		mg/Kg	1	11/18/2020 12:43 AM
Silver	ND	0.62	1.0		mg/Kg	1	11/18/2020 12:43 AM
Thallium	ND	0.35	2.0		mg/Kg	1	11/18/2020 12:43 AM
Vanadium	29	0.22	1.0		mg/Kg	1	11/18/2020 12:43 AM
Zinc	25	0.30	1.0		mg/Kg	1	11/18/2020 12:43 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-024

Client Sample ID: SP5-D15
Collection Date: 11/12/2020 11:20:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 06:32 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 06:32 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 06:32 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 06:32 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 06:32 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 06:32 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 06:32 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 06:32 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 06:32 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 06:32 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 06:32 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 06:32 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 06:32 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 06:32 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 06:32 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 06:32 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 06:32 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 06:32 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 06:32 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-024

Client Sample ID: SP5-D15
Collection Date: 11/12/2020 11:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 06:32 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 06:32 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 06:32 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 06:32 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 06:32 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 06:32 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 06:32 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 06:32 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 06:32 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 06:32 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 06:32 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 06:32 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 06:32 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 06:32 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 06:32 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 06:32 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 06:32 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 06:32 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 06:32 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 06:32 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 06:32 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 06:32 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 06:32 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 06:32 AM
Surr: 1,2-Dichloroethane-d4	145	0	64-165		%REC	1	11/18/2020 06:32 AM
Surr: 4-Bromofluorobenzene	88.8	0	69-124		%REC	1	11/18/2020 06:32 AM
Surr: Dibromofluoromethane	125	0	72-142		%REC	1	11/18/2020 06:32 AM
Surr: Toluene-d8	102	0	75-124		%REC	1	11/18/2020 06:32 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116A** QC Batch: **83040**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	3.8	2.9	10	J	mg/Kg	1	11/17/2020 03:31 AM
ORO	5.6	1.8	10	J	mg/Kg	1	11/17/2020 03:31 AM
Surr: p-Terphenyl	97.1	0	56-133		%REC	1	11/17/2020 03:31 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-024

Client Sample ID: SP5-D15
Collection Date: 11/12/2020 11:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC4_201116A** QC Batch: **E20VS172**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 08:42 PM
Surr: Chlorobenzene - d5	122	0	54-160		%REC	1	11/16/2020 08:42 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201116A** QC Batch: **83029**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Mercury	0.13	0.027	0.10		mg/Kg	1	11/16/2020 02:38 PM
TOTAL METALS BY ICP							
		EPA 3050B	**EPA 6010B**				
RunID: **NV00922-ICP2_201117D** QC Batch: **83028**				PrepDate:	**11/16/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/18/2020 12:49 AM
Arsenic	4.2	0.54	1.0		mg/Kg	1	11/18/2020 12:49 AM
Barium	260	0.31	1.0		mg/Kg	1	11/18/2020 12:49 AM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/18/2020 12:49 AM
Cadmium	0.97	0.27	1.0	J	mg/Kg	1	11/18/2020 12:49 AM
Chromium	78	0.32	1.0		mg/Kg	1	11/18/2020 12:49 AM
Cobalt	20	0.29	1.0		mg/Kg	1	11/18/2020 12:49 AM
Copper	38	0.89	2.0		mg/Kg	1	11/18/2020 12:49 AM
Lead	5.8	0.29	1.0		mg/Kg	1	11/18/2020 12:49 AM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/18/2020 12:49 AM
Nickel	120	0.34	1.0		mg/Kg	1	11/18/2020 12:49 AM
Selenium	ND	0.60	1.0		mg/Kg	1	11/18/2020 12:49 AM
Silver	ND	0.62	1.0		mg/Kg	1	11/18/2020 12:49 AM
Thallium	ND	0.35	2.0		mg/Kg	1	11/18/2020 12:49 AM
Vanadium	58	0.22	1.0		mg/Kg	1	11/18/2020 12:49 AM
Zinc	57	0.30	1.0		mg/Kg	1	11/18/2020 12:49 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-025

Client Sample ID: SP5-D20
Collection Date: 11/12/2020 11:25:00 AM
Matrix: SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024** PrepDate: Analyst: **AG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.52	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,1,1-Trichloroethane	ND	0.40	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,1,2,2-Tetrachloroethane	ND	0.23	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,1,2-Trichloroethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,1-Dichloroethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,1-Dichloroethene	ND	0.32	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,1-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,2,3-Trichlorobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,2,3-Trichloropropane	ND	0.47	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,2,4-Trichlorobenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,2,4-Trimethylbenzene	ND	0.12	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,2-Dibromo-3-chloropropane	ND	0.68	10		µg/Kg	1	11/18/2020 06:57 AM
1,2-Dibromoethane	ND	0.37	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,2-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,2-Dichloroethane	ND	0.32	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,2-Dichloropropane	ND	0.30	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,3,5-Trimethylbenzene	ND	0.55	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,3-Dichlorobenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,3-Dichloropropane	ND	0.26	5.0		µg/Kg	1	11/18/2020 06:57 AM
1,4-Dichlorobenzene	ND	0.16	5.0		µg/Kg	1	11/18/2020 06:57 AM
2,2-Dichloropropane	ND	0.39	5.0		µg/Kg	1	11/18/2020 06:57 AM
2-Butanone	ND	9.3	50		µg/Kg	1	11/18/2020 06:57 AM
2-Chlorotoluene	ND	0.17	5.0		µg/Kg	1	11/18/2020 06:57 AM
4-Chlorotoluene	ND	0.14	5.0		µg/Kg	1	11/18/2020 06:57 AM
4-Isopropyltoluene	ND	0.16	5.0		µg/Kg	1	11/18/2020 06:57 AM
Benzene	ND	0.21	5.0		µg/Kg	1	11/18/2020 06:57 AM
Bromobenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 06:57 AM
Bromodichloromethane	ND	0.41	5.0		µg/Kg	1	11/18/2020 06:57 AM
Bromoform	ND	0.46	5.0		µg/Kg	1	11/18/2020 06:57 AM
Bromomethane	ND	0.90	5.0		µg/Kg	1	11/18/2020 06:57 AM
Carbon tetrachloride	ND	0.64	5.0		µg/Kg	1	11/18/2020 06:57 AM
Chlorobenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 06:57 AM
Chloroethane	ND	1.7	5.0		µg/Kg	1	11/18/2020 06:57 AM
Chloroform	ND	0.79	5.0		µg/Kg	1	11/18/2020 06:57 AM
Chloromethane	ND	0.46	5.0		µg/Kg	1	11/18/2020 06:57 AM
cis-1,2-Dichloroethene	ND	0.21	5.0		µg/Kg	1	11/18/2020 06:57 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-025

Client Sample ID: SP5-D20
Collection Date: 11/12/2020 11:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **CA01638-MS08_201117B** QC Batch: **R20VS024**				PrepDate:			Analyst: **AG**
cis-1,3-Dichloropropene	ND	0.32	5.0		µg/Kg	1	11/18/2020 06:57 AM
Dibromochloromethane	ND	0.44	5.0		µg/Kg	1	11/18/2020 06:57 AM
Dibromomethane	ND	0.27	5.0		µg/Kg	1	11/18/2020 06:57 AM
Dichlorodifluoromethane	ND	0.77	5.0		µg/Kg	1	11/18/2020 06:57 AM
Ethylbenzene	ND	0.22	5.0		µg/Kg	1	11/18/2020 06:57 AM
Freon-113	ND	0.55	5.0		µg/Kg	1	11/18/2020 06:57 AM
Hexachlorobutadiene	ND	0.59	5.0		µg/Kg	1	11/18/2020 06:57 AM
Isopropylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 06:57 AM
m,p-Xylene	ND	0.45	10		µg/Kg	1	11/18/2020 06:57 AM
Methylene chloride	ND	3.6	5.0		µg/Kg	1	11/18/2020 06:57 AM
MTBE	ND	0.86	5.0		µg/Kg	1	11/18/2020 06:57 AM
n-Butylbenzene	ND	0.19	5.0		µg/Kg	1	11/18/2020 06:57 AM
n-Propylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 06:57 AM
Naphthalene	ND	0.38	5.0		µg/Kg	1	11/18/2020 06:57 AM
o-Xylene	ND	0.17	5.0		µg/Kg	1	11/18/2020 06:57 AM
sec-Butylbenzene	ND	0.17	5.0		µg/Kg	1	11/18/2020 06:57 AM
Styrene	ND	1.2	5.0		µg/Kg	1	11/18/2020 06:57 AM
tert-Butylbenzene	ND	0.20	5.0		µg/Kg	1	11/18/2020 06:57 AM
Tetrachloroethene	ND	0.50	5.0		µg/Kg	1	11/18/2020 06:57 AM
Toluene	ND	0.29	5.0		µg/Kg	1	11/18/2020 06:57 AM
trans-1,2-Dichloroethene	ND	0.54	5.0		µg/Kg	1	11/18/2020 06:57 AM
Trichloroethene	ND	0.51	5.0		µg/Kg	1	11/18/2020 06:57 AM
Trichlorofluoromethane	ND	0.57	5.0		µg/Kg	1	11/18/2020 06:57 AM
Vinyl chloride	ND	0.38	5.0		µg/Kg	1	11/18/2020 06:57 AM
Surr: 1,2-Dichloroethane-d4	142	0	64-165		%REC	1	11/18/2020 06:57 AM
Surr: 4-Bromofluorobenzene	89.8	0	69-124		%REC	1	11/18/2020 06:57 AM
Surr: Dibromofluoromethane	125	0	72-142		%REC	1	11/18/2020 06:57 AM
Surr: Toluene-d8	104	0	75-124		%REC	1	11/18/2020 06:57 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
		EPA 3550B	**EPA 8015B**				
RunID: **NV00922-GC3_201116A** QC Batch: **83040**				PrepDate:	**11/16/2020**		Analyst: **PL**
DRO	ND	2.9	9.9		mg/Kg	1	11/17/2020 04:02 AM
ORO	4.2	1.8	9.9	J	mg/Kg	1	11/17/2020 04:02 AM
Surr: p-Terphenyl	99.8	0	56-133		%REC	1	11/17/2020 04:02 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-025

Client Sample ID: SP5-D20
Collection Date: 11/12/2020 11:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC4_201116A** QC Batch: **E20VS172**				PrepDate:			Analyst: **BH**
GRO	ND	0.24	1.0		mg/Kg	1	11/16/2020 09:12 PM
Surr: Chlorobenzene - d5	115	0	54-160		%REC	1	11/16/2020 09:12 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7471A				
RunID: **NV00922-AA2_201117B** QC Batch: **83047**				PrepDate:	**11/17/2020**		Analyst: **DJ**
Mercury	0.057	0.027	0.10	J	mg/Kg	1	11/17/2020 12:28 PM
TOTAL METALS BY ICP							
	EPA 3050B		**EPA 6010B**				
RunID: **NV00922-ICP2_201117A** QC Batch: **83046**				PrepDate:	**11/17/2020**		Analyst: **DJ**
Antimony	ND	0.33	2.0		mg/Kg	1	11/17/2020 02:02 PM
Arsenic	ND	0.54	1.0		mg/Kg	1	11/17/2020 02:02 PM
Barium	78	0.31	1.0		mg/Kg	1	11/17/2020 02:02 PM
Beryllium	ND	0.22	1.0		mg/Kg	1	11/17/2020 02:02 PM
Cadmium	0.42	0.27	1.0	J	mg/Kg	1	11/17/2020 02:02 PM
Chromium	38	0.32	1.0		mg/Kg	1	11/17/2020 02:02 PM
Cobalt	9.5	0.29	1.0		mg/Kg	1	11/17/2020 02:02 PM
Copper	17	0.89	2.0		mg/Kg	1	11/17/2020 02:02 PM
Lead	4.0	0.29	1.0		mg/Kg	1	11/17/2020 02:02 PM
Molybdenum	ND	0.30	1.0		mg/Kg	1	11/17/2020 02:02 PM
Nickel	50	0.34	1.0		mg/Kg	1	11/17/2020 02:02 PM
Selenium	ND	0.60	1.0		mg/Kg	1	11/17/2020 02:02 PM
Silver	ND	0.62	1.0		mg/Kg	1	11/17/2020 02:02 PM
Thallium	ND	0.35	2.0		mg/Kg	1	11/17/2020 02:02 PM
Vanadium	33	0.22	1.0		mg/Kg	1	11/17/2020 05:34 PM
Zinc	29	0.30	1.0		mg/Kg	1	11/17/2020 02:02 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-026

Client Sample ID: SP6-D2
Collection Date: 11/12/2020 11:50:00 AM
Matrix: SOIL

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3546 **EPA 8081A**

RunID: **NV00922-GC7_201116A** QC Batch: **83038** PrepDate: **11/16/2020** Analyst: **LLR**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
4,4´-DDD	43	0.67	2.0		µg/Kg	1	11/16/2020 11:36 PM
4,4´-DDE	170	3.5	20		µg/Kg	10	11/18/2020 12:42 AM
4,4´-DDT	47	0.43	2.0		µg/Kg	1	11/16/2020 11:36 PM
Aldrin	ND	0.28	0.99		µg/Kg	1	11/16/2020 11:36 PM
alpha-BHC	ND	0.43	0.99		µg/Kg	1	11/16/2020 11:36 PM
alpha-Chlordane	ND	0.52	0.99		µg/Kg	1	11/16/2020 11:36 PM
beta-BHC	ND	0.34	0.99		µg/Kg	1	11/16/2020 11:36 PM
Chlordane	ND	2.3	8.5		µg/Kg	1	11/16/2020 11:36 PM
delta-BHC	ND	0.45	0.99		µg/Kg	1	11/16/2020 11:36 PM
Dieldrin	2.3	0.44	2.0		µg/Kg	1	11/16/2020 11:36 PM
Endosulfan I	ND	0.30	0.99		µg/Kg	1	11/16/2020 11:36 PM
Endosulfan II	ND	0.61	2.0		µg/Kg	1	11/16/2020 11:36 PM
Endosulfan sulfate	ND	0.48	2.0		µg/Kg	1	11/16/2020 11:36 PM
Endrin	ND	1.0	2.0		µg/Kg	1	11/16/2020 11:36 PM
Endrin aldehyde	ND	0.90	2.0		µg/Kg	1	11/16/2020 11:36 PM
Endrin ketone	ND	0.58	2.0		µg/Kg	1	11/16/2020 11:36 PM
gamma-BHC	ND	0.23	0.99		µg/Kg	1	11/16/2020 11:36 PM
gamma-Chlordane	ND	0.27	0.99		µg/Kg	1	11/16/2020 11:36 PM
Heptachlor	ND	0.60	0.99		µg/Kg	1	11/16/2020 11:36 PM
Heptachlor epoxide	ND	0.27	0.99		µg/Kg	1	11/16/2020 11:36 PM
Methoxychlor	ND	2.8	8.5		µg/Kg	1	11/16/2020 11:36 PM
Toxaphene	ND	14	85		µg/Kg	1	11/16/2020 11:36 PM
Surr: Tetrachloro-m-xylene	64.9	0	32-100		%REC	1	11/16/2020 11:36 PM
Surr: Decachlorobiphenyl	67.1	0	26-104		%REC	1	11/16/2020 11:36 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-027

Client Sample ID: SP7-D2
Collection Date: 11/12/2020 11:30:00 AM
Matrix: SOIL

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3546 **EPA 8081A**

RunID: **NV00922-GC7_201116A** QC Batch: **83038** PrepDate: **11/16/2020** Analyst: **LLR**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
4,4´-DDD	42	0.68	2.0		µg/Kg	1	11/17/2020 12:02 AM
4,4´-DDE	310	3.5	20		µg/Kg	10	11/18/2020 01:08 AM
4,4´-DDT	140	4.4	20		µg/Kg	10	11/18/2020 01:08 AM
Aldrin	ND	0.28	1.0		µg/Kg	1	11/17/2020 12:02 AM
alpha-BHC	ND	0.44	1.0		µg/Kg	1	11/17/2020 12:02 AM
alpha-Chlordane	ND	0.52	1.0		µg/Kg	1	11/17/2020 12:02 AM
beta-BHC	ND	0.35	1.0		µg/Kg	1	11/17/2020 12:02 AM
Chlordane	ND	2.4	8.5		µg/Kg	1	11/17/2020 12:02 AM
delta-BHC	ND	0.45	1.0		µg/Kg	1	11/17/2020 12:02 AM
Dieldrin	11	0.44	2.0		µg/Kg	1	11/17/2020 12:02 AM
Endosulfan I	ND	0.30	1.0		µg/Kg	1	11/17/2020 12:02 AM
Endosulfan II	ND	0.61	2.0		µg/Kg	1	11/17/2020 12:02 AM
Endosulfan sulfate	ND	0.49	2.0		µg/Kg	1	11/17/2020 12:02 AM
Endrin	ND	1.0	2.0		µg/Kg	1	11/17/2020 12:02 AM
Endrin aldehyde	ND	0.91	2.0		µg/Kg	1	11/17/2020 12:02 AM
Endrin ketone	ND	0.59	2.0		µg/Kg	1	11/17/2020 12:02 AM
gamma-BHC	ND	0.24	1.0		µg/Kg	1	11/17/2020 12:02 AM
gamma-Chlordane	ND	0.28	1.0		µg/Kg	1	11/17/2020 12:02 AM
Heptachlor	ND	0.60	1.0		µg/Kg	1	11/17/2020 12:02 AM
Heptachlor epoxide	ND	0.28	1.0		µg/Kg	1	11/17/2020 12:02 AM
Methoxychlor	ND	2.8	8.5		µg/Kg	1	11/17/2020 12:02 AM
Toxaphene	ND	15	85		µg/Kg	1	11/17/2020 12:02 AM
Surr: Tetrachloro-m-xylene	58.1	0	32-100		%REC	1	11/17/2020 12:02 AM
Surr: Decachlorobiphenyl	69.7	0	26-104		%REC	1	11/17/2020 12:02 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-028

Client Sample ID: SP8-D2
Collection Date: 11/12/2020 11:40:00 PM
Matrix: SOIL

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3546 **EPA 8081A**

RunID: **NV00922-GC7_201116A** QC Batch: **83038** PrepDate: **11/16/2020** Analyst: **LLR**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
4,4´-DDD	21	0.67	2.0		µg/Kg	1	11/16/2020 08:12 PM
4,4´-DDE	520	3.5	20		µg/Kg	10	11/17/2020 08:27 PM
4,4´-DDT	200	4.3	20		µg/Kg	10	11/17/2020 08:27 PM
Aldrin	ND	0.28	1.0		µg/Kg	1	11/16/2020 08:12 PM
alpha-BHC	ND	0.43	1.0		µg/Kg	1	11/16/2020 08:12 PM
alpha-Chlordane	ND	0.52	1.0		µg/Kg	1	11/16/2020 08:12 PM
beta-BHC	ND	0.34	1.0		µg/Kg	1	11/16/2020 08:12 PM
Chlordane	ND	2.4	8.5		µg/Kg	1	11/16/2020 08:12 PM
delta-BHC	ND	0.45	1.0		µg/Kg	1	11/16/2020 08:12 PM
Dieldrin	11	0.44	2.0		µg/Kg	1	11/16/2020 08:12 PM
Endosulfan I	ND	0.30	1.0		µg/Kg	1	11/16/2020 08:12 PM
Endosulfan II	ND	0.61	2.0		µg/Kg	1	11/16/2020 08:12 PM
Endosulfan sulfate	ND	0.48	2.0		µg/Kg	1	11/16/2020 08:12 PM
Endrin	ND	1.0	2.0		µg/Kg	1	11/16/2020 08:12 PM
Endrin aldehyde	ND	0.90	2.0		µg/Kg	1	11/16/2020 08:12 PM
Endrin ketone	ND	0.58	2.0		µg/Kg	1	11/16/2020 08:12 PM
gamma-BHC	ND	0.24	1.0		µg/Kg	1	11/16/2020 08:12 PM
gamma-Chlordane	ND	0.27	1.0		µg/Kg	1	11/16/2020 08:12 PM
Heptachlor	ND	0.60	1.0		µg/Kg	1	11/16/2020 08:12 PM
Heptachlor epoxide	ND	0.27	1.0		µg/Kg	1	11/16/2020 08:12 PM
Methoxychlor	ND	2.8	8.5		µg/Kg	1	11/16/2020 08:12 PM
Toxaphene	ND	14	85		µg/Kg	1	11/16/2020 08:12 PM
Surr: Tetrachloro-m-xylene	78.5	0	32-100		%REC	1	11/16/2020 08:12 PM
Surr: Decachlorobiphenyl	75.4	0	26-104		%REC	1	11/16/2020 08:12 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-029

Client Sample ID: SP1
Collection Date: 11/12/2020 2:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **NV00922-MS5_201117A**	QC Batch: **P20VW119**			PrepDate:			Analyst: **HG**
1,1,1,2-Tetrachloroethane	ND	0.25	0.50		µg/L	1	11/17/2020 01:07 PM
1,1,1-Trichloroethane	ND	0.20	0.50		µg/L	1	11/17/2020 01:07 PM
1,1,2,2-Tetrachloroethane	ND	0.11	0.50		µg/L	1	11/17/2020 01:07 PM
1,1,2-Trichloroethane	ND	0.23	0.50		µg/L	1	11/17/2020 01:07 PM
1,1-Dichloroethane	ND	0.22	0.50		µg/L	1	11/17/2020 01:07 PM
1,1-Dichloroethene	ND	0.17	0.50		µg/L	1	11/17/2020 01:07 PM
1,1-Dichloropropene	ND	0.16	0.50		µg/L	1	11/17/2020 01:07 PM
1,2,3-Trichlorobenzene	ND	0.37	0.50		µg/L	1	11/17/2020 01:07 PM
1,2,3-Trichloropropane	ND	0.23	0.50		µg/L	1	11/17/2020 01:07 PM
1,2,4-Trichlorobenzene	ND	0.10	0.50		µg/L	1	11/17/2020 01:07 PM
1,2,4-Trimethylbenzene	ND	0.060	0.50		µg/L	1	11/17/2020 01:07 PM
1,2-Dibromo-3-chloropropane	ND	0.32	1.0		µg/L	1	11/17/2020 01:07 PM
1,2-Dibromoethane	ND	0.19	0.50		µg/L	1	11/17/2020 01:07 PM
1,2-Dichlorobenzene	ND	0.089	0.50		µg/L	1	11/17/2020 01:07 PM
1,2-Dichloroethane	ND	0.16	1.0		µg/L	1	11/17/2020 01:07 PM
1,2-Dichloropropane	ND	0.16	0.50		µg/L	1	11/17/2020 01:07 PM
1,3,5-Trimethylbenzene	ND	0.051	0.50		µg/L	1	11/17/2020 01:07 PM
1,3-Dichlorobenzene	ND	0.081	0.50		µg/L	1	11/17/2020 01:07 PM
1,3-Dichloropropane	ND	0.13	0.50		µg/L	1	11/17/2020 01:07 PM
1,4-Dichlorobenzene	ND	0.080	0.50		µg/L	1	11/17/2020 01:07 PM
2,2-Dichloropropane	ND	0.22	0.50		µg/L	1	11/17/2020 01:07 PM
2-Butanone	ND	4.7	5.0		µg/L	1	11/17/2020 06:19 PM
2-Chlorotoluene	ND	0.090	0.50		µg/L	1	11/17/2020 01:07 PM
4-Chlorotoluene	ND	0.065	0.50		µg/L	1	11/17/2020 01:07 PM
4-Isopropyltoluene	ND	0.085	0.50		µg/L	1	11/17/2020 01:07 PM
Benzene	ND	0.11	0.50		µg/L	1	11/17/2020 01:07 PM
Bromobenzene	ND	0.093	0.50		µg/L	1	11/17/2020 01:07 PM
Bromodichloromethane	ND	0.20	0.50		µg/L	1	11/17/2020 01:07 PM
Bromoform	ND	0.23	0.50		µg/L	1	11/17/2020 01:07 PM
Bromomethane	ND	0.38	1.0		µg/L	1	11/17/2020 01:07 PM
Carbon tetrachloride	ND	0.33	0.50		µg/L	1	11/17/2020 01:07 PM
Chlorobenzene	ND	0.11	0.50		µg/L	1	11/17/2020 01:07 PM
Chloroethane	ND	0.69	1.0		µg/L	1	11/17/2020 01:07 PM
Chloroform	ND	0.38	0.50		µg/L	1	11/17/2020 01:07 PM
Chloromethane	ND	0.23	0.50		µg/L	1	11/17/2020 01:07 PM
cis-1,2-Dichloroethene	ND	0.11	0.50		µg/L	1	11/17/2020 01:07 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-029

Client Sample ID: SP1
Collection Date: 11/12/2020 2:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **NV00922-MS5_201117A**	QC Batch: **P20VW119**			PrepDate:			Analyst: **HG**
cis-1,3-Dichloropropene	ND	0.16	0.50		µg/L	1	11/17/2020 01:07 PM
Dibromochloromethane	ND	0.23	0.50		µg/L	1	11/17/2020 01:07 PM
Dibromomethane	ND	0.13	0.50		µg/L	1	11/17/2020 01:07 PM
Dichlorodifluoromethane	ND	0.16	0.50		µg/L	1	11/17/2020 01:07 PM
Ethylbenzene	ND	0.11	0.50		µg/L	1	11/17/2020 01:07 PM
Freon-113	ND	0.28	0.50		µg/L	1	11/17/2020 01:07 PM
Hexachlorobutadiene	ND	0.30	0.50		µg/L	1	11/17/2020 01:07 PM
Isopropylbenzene	ND	0.092	0.50		µg/L	1	11/17/2020 01:07 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	11/17/2020 01:07 PM
Methylene chloride	ND	1.2	2.0		µg/L	1	11/17/2020 01:07 PM
MTBE	ND	0.44	0.50		µg/L	1	11/17/2020 01:07 PM
n-Butylbenzene	ND	0.093	0.50		µg/L	1	11/17/2020 01:07 PM
n-Propylbenzene	ND	0.10	0.50		µg/L	1	11/17/2020 01:07 PM
Naphthalene	ND	0.41	0.50		µg/L	1	11/17/2020 01:07 PM
o-Xylene	ND	0.087	0.50		µg/L	1	11/17/2020 01:07 PM
sec-Butylbenzene	ND	0.076	0.50		µg/L	1	11/17/2020 01:07 PM
Styrene	ND	0.41	0.50		µg/L	1	11/17/2020 01:07 PM
tert-Butylbenzene	ND	0.10	0.50		µg/L	1	11/17/2020 01:07 PM
Tetrachloroethene	ND	0.25	0.50		µg/L	1	11/17/2020 01:07 PM
Toluene	ND	0.13	0.50		µg/L	1	11/17/2020 01:07 PM
trans-1,2-Dichloroethene	ND	0.27	1.0		µg/L	1	11/17/2020 01:07 PM
Trichloroethene	ND	0.26	0.50		µg/L	1	11/17/2020 01:07 PM
Trichlorofluoromethane	ND	0.23	0.50		µg/L	1	11/17/2020 01:07 PM
Vinyl chloride	ND	0.19	0.50		µg/L	1	11/17/2020 01:07 PM
Surr: 1,2-Dichloroethane-d4	105	0	72-132		%REC	1	11/17/2020 06:19 PM
Surr: 1,2-Dichloroethane-d4	101	0	72-132		%REC	1	11/17/2020 01:07 PM
Surr: 4-Bromofluorobenzene	98.9	0	80-120		%REC	1	11/17/2020 06:19 PM
Surr: 4-Bromofluorobenzene	97.8	0	80-120		%REC	1	11/17/2020 01:07 PM
Surr: Dibromofluoromethane	102	0	78-130		%REC	1	11/17/2020 01:07 PM
Surr: Dibromofluoromethane	102	0	78-130		%REC	1	11/17/2020 06:19 PM
Surr: Toluene-d8	102	0	80-120		%REC	1	11/17/2020 06:19 PM
Surr: Toluene-d8	104	0	80-120		%REC	1	11/17/2020 01:07 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
			EPA 3510C		**EPA 8015B**		
RunID: **NV00922-GC1_201117B**	QC Batch: **83052**			PrepDate:	**11/17/2020**		Analyst: **PL**

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-029

Client Sample ID: SP1
Collection Date: 11/12/2020 2:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
	EPA 3510C		**EPA 8015B**				
RunID: **NV00922-GC1_201117B**	QC Batch: **83052**			PrepDate:		**11/17/2020**	Analyst: **PL**
DRO	0.038	0.028	0.21	J	mg/L	1	11/17/2020 06:38 PM
ORO	0.041	0.040	0.21	J	mg/L	1	11/17/2020 06:38 PM
Surr: p-Terphenyl	92.1	0	54-139		%REC	1	11/17/2020 06:38 PM
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC4_201117A**	QC Batch: **E20VW112**			PrepDate:			Analyst: **BH**
GRO	0.030	0.019	0.050	J	mg/L	1	11/17/2020 12:10 PM
Surr: Chlorobenzene - d5	118	0	66-123		%REC	1	11/17/2020 12:10 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7470A				
RunID: **NV00922-AA2_201117A**	QC Batch: **83033**			PrepDate:		**11/16/2020**	Analyst: **DJ**
Mercury	0.15	0.13	0.20	J	µg/L	1	11/17/2020 10:43 AM
TOTAL METALS BY ICP							
	EPA 3010A		**EPA 6010B**				
RunID: **NV00922-ICP2_201117C**	QC Batch: **83032**			PrepDate:		**11/16/2020**	Analyst: **DJ**
Antimony	0.0073	0.0045	0.010	J	mg/L	1	11/17/2020 08:27 PM
Arsenic	0.025	0.0077	0.010		mg/L	1	11/17/2020 08:27 PM
Barium	0.50	0.0010	0.0030		mg/L	1	11/17/2020 08:27 PM
Beryllium	0.0043	0.00031	0.0030		mg/L	1	11/17/2020 08:27 PM
Cadmium	0.0032	0.00085	0.0030		mg/L	1	11/18/2020 08:27 AM
Chromium	0.051	0.00054	0.0030		mg/L	1	11/17/2020 08:27 PM
Cobalt	0.11	0.0019	0.0030		mg/L	1	11/17/2020 08:27 PM
Copper	0.15	0.0011	0.0050		mg/L	1	11/18/2020 08:27 AM
Lead	0.023	0.0040	0.0050		mg/L	1	11/17/2020 08:27 PM
Molybdenum	ND	0.0026	0.0050		mg/L	1	11/18/2020 08:27 AM
Nickel	0.21	0.0020	0.0050		mg/L	1	11/17/2020 08:27 PM
Selenium	0.015	0.0085	0.010		mg/L	1	11/18/2020 08:27 AM
Silver	ND	0.0024	0.0030		mg/L	1	11/17/2020 08:27 PM
Thallium	ND	0.0060	0.015		mg/L	1	11/17/2020 08:27 PM
Vanadium	0.067	0.0012	0.0030		mg/L	1	11/17/2020 08:27 PM
Zinc	0.16	0.0077	0.010		mg/L	1	11/17/2020 08:27 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-030

Client Sample ID: SP2
Collection Date: 11/12/2020 2:30:00 PM
Matrix: WATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **NV00922-MS5_201117A** QC Batch: **P20VW119** PrepDate: Analyst: **HG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.25	0.50		µg/L	1	11/17/2020 01:30 PM
1,1,1-Trichloroethane	ND	0.20	0.50		µg/L	1	11/17/2020 01:30 PM
1,1,2,2-Tetrachloroethane	ND	0.11	0.50		µg/L	1	11/17/2020 01:30 PM
1,1,2-Trichloroethane	ND	0.23	0.50		µg/L	1	11/17/2020 01:30 PM
1,1-Dichloroethane	ND	0.22	0.50		µg/L	1	11/17/2020 01:30 PM
1,1-Dichloroethene	ND	0.17	0.50		µg/L	1	11/17/2020 01:30 PM
1,1-Dichloropropene	ND	0.16	0.50		µg/L	1	11/17/2020 01:30 PM
1,2,3-Trichlorobenzene	ND	0.37	0.50		µg/L	1	11/17/2020 01:30 PM
1,2,3-Trichloropropane	ND	0.23	0.50		µg/L	1	11/17/2020 01:30 PM
1,2,4-Trichlorobenzene	ND	0.10	0.50		µg/L	1	11/17/2020 01:30 PM
1,2,4-Trimethylbenzene	ND	0.060	0.50		µg/L	1	11/17/2020 01:30 PM
1,2-Dibromo-3-chloropropane	ND	0.32	1.0		µg/L	1	11/17/2020 01:30 PM
1,2-Dibromoethane	ND	0.19	0.50		µg/L	1	11/17/2020 01:30 PM
1,2-Dichlorobenzene	ND	0.089	0.50		µg/L	1	11/17/2020 01:30 PM
1,2-Dichloroethane	ND	0.16	1.0		µg/L	1	11/17/2020 01:30 PM
1,2-Dichloropropane	ND	0.16	0.50		µg/L	1	11/17/2020 01:30 PM
1,3,5-Trimethylbenzene	ND	0.051	0.50		µg/L	1	11/17/2020 01:30 PM
1,3-Dichlorobenzene	ND	0.081	0.50		µg/L	1	11/17/2020 01:30 PM
1,3-Dichloropropane	ND	0.13	0.50		µg/L	1	11/17/2020 01:30 PM
1,4-Dichlorobenzene	ND	0.080	0.50		µg/L	1	11/17/2020 01:30 PM
2,2-Dichloropropane	ND	0.22	0.50		µg/L	1	11/17/2020 01:30 PM
2-Butanone	ND	4.7	5.0		µg/L	1	11/17/2020 06:42 PM
2-Chlorotoluene	ND	0.090	0.50		µg/L	1	11/17/2020 01:30 PM
4-Chlorotoluene	ND	0.065	0.50		µg/L	1	11/17/2020 01:30 PM
4-Isopropyltoluene	ND	0.085	0.50		µg/L	1	11/17/2020 01:30 PM
Benzene	ND	0.11	0.50		µg/L	1	11/17/2020 01:30 PM
Bromobenzene	ND	0.093	0.50		µg/L	1	11/17/2020 01:30 PM
Bromodichloromethane	ND	0.20	0.50		µg/L	1	11/17/2020 01:30 PM
Bromoform	ND	0.23	0.50		µg/L	1	11/17/2020 01:30 PM
Bromomethane	ND	0.38	1.0		µg/L	1	11/17/2020 01:30 PM
Carbon tetrachloride	ND	0.33	0.50		µg/L	1	11/17/2020 01:30 PM
Chlorobenzene	ND	0.11	0.50		µg/L	1	11/17/2020 01:30 PM
Chloroethane	ND	0.69	1.0		µg/L	1	11/17/2020 01:30 PM
Chloroform	ND	0.38	0.50		µg/L	1	11/17/2020 01:30 PM
Chloromethane	ND	0.23	0.50		µg/L	1	11/17/2020 01:30 PM
cis-1,2-Dichloroethene	ND	0.11	0.50		µg/L	1	11/17/2020 01:30 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-030

Client Sample ID: SP2
Collection Date: 11/12/2020 2:30:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **NV00922-MS5_201117A** QC Batch: **P20VW119**				PrepDate:			Analyst: **HG**
cis-1,3-Dichloropropene	ND	0.16	0.50		µg/L	1	11/17/2020 01:30 PM
Dibromochloromethane	ND	0.23	0.50		µg/L	1	11/17/2020 01:30 PM
Dibromomethane	ND	0.13	0.50		µg/L	1	11/17/2020 01:30 PM
Dichlorodifluoromethane	ND	0.16	0.50		µg/L	1	11/17/2020 01:30 PM
Ethylbenzene	ND	0.11	0.50		µg/L	1	11/17/2020 01:30 PM
Freon-113	ND	0.28	0.50		µg/L	1	11/17/2020 01:30 PM
Hexachlorobutadiene	ND	0.30	0.50		µg/L	1	11/17/2020 01:30 PM
Isopropylbenzene	ND	0.092	0.50		µg/L	1	11/17/2020 01:30 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	11/17/2020 01:30 PM
Methylene chloride	1.3	1.2	2.0	J	µg/L	1	11/17/2020 01:30 PM
MTBE	ND	0.44	0.50		µg/L	1	11/17/2020 01:30 PM
n-Butylbenzene	ND	0.093	0.50		µg/L	1	11/17/2020 01:30 PM
n-Propylbenzene	ND	0.10	0.50		µg/L	1	11/17/2020 01:30 PM
Naphthalene	ND	0.41	0.50		µg/L	1	11/17/2020 01:30 PM
o-Xylene	ND	0.087	0.50		µg/L	1	11/17/2020 01:30 PM
sec-Butylbenzene	ND	0.076	0.50		µg/L	1	11/17/2020 01:30 PM
Styrene	ND	0.41	0.50		µg/L	1	11/17/2020 01:30 PM
tert-Butylbenzene	ND	0.10	0.50		µg/L	1	11/17/2020 01:30 PM
Tetrachloroethene	ND	0.25	0.50		µg/L	1	11/17/2020 01:30 PM
Toluene	ND	0.13	0.50		µg/L	1	11/17/2020 01:30 PM
trans-1,2-Dichloroethene	ND	0.27	1.0		µg/L	1	11/17/2020 01:30 PM
Trichloroethene	ND	0.26	0.50		µg/L	1	11/17/2020 01:30 PM
Trichlorofluoromethane	ND	0.23	0.50		µg/L	1	11/17/2020 01:30 PM
Vinyl chloride	ND	0.19	0.50		µg/L	1	11/17/2020 01:30 PM
Surr: 1,2-Dichloroethane-d4	104	0	72-132		%REC	1	11/17/2020 01:30 PM
Surr: 1,2-Dichloroethane-d4	94.6	0	72-132		%REC	1	11/17/2020 06:42 PM
Surr: 4-Bromofluorobenzene	95.9	0	80-120		%REC	1	11/17/2020 06:42 PM
Surr: 4-Bromofluorobenzene	96.2	0	80-120		%REC	1	11/17/2020 01:30 PM
Surr: Dibromofluoromethane	98.8	0	78-130		%REC	1	11/17/2020 06:42 PM
Surr: Dibromofluoromethane	102	0	78-130		%REC	1	11/17/2020 01:30 PM
Surr: Toluene-d8	99.6	0	80-120		%REC	1	11/17/2020 01:30 PM
Surr: Toluene-d8	101	0	80-120		%REC	1	11/17/2020 06:42 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
EPA 3510C			**EPA 8015B**				
RunID: **NV00922-GC1_201117B** QC Batch: **83052**				PrepDate:	**11/17/2020**		Analyst: **PL**

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-030

Client Sample ID: SP2
Collection Date: 11/12/2020 2:30:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
	EPA 3510C		**EPA 8015B**				
RunID: **NV00922-GC1_201117B**	QC Batch: **83052**			PrepDate:		**11/17/2020**	Analyst: **PL**
DRO	0.035	0.028	0.20	J	mg/L	1	11/17/2020 07:08 PM
ORO	ND	0.040	0.20		mg/L	1	11/17/2020 07:08 PM
Surr: p-Terphenyl	84.8	0	54-139		%REC	1	11/17/2020 07:08 PM
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC4_201117A**	QC Batch: **E20VW112**			PrepDate:			Analyst: **BH**
GRO	0.027	0.019	0.050	J	mg/L	1	11/17/2020 01:42 PM
Surr: Chlorobenzene - d5	97.4	0	66-123		%REC	1	11/17/2020 01:42 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7470A				
RunID: **NV00922-AA2_201117A**	QC Batch: **83033**			PrepDate:		**11/16/2020**	Analyst: **DJ**
Mercury	0.16	0.13	0.20	J	µg/L	1	11/17/2020 10:46 AM
TOTAL METALS BY ICP							
	EPA 3010A		**EPA 6010B**				
RunID: **NV00922-ICP2_201117C**	QC Batch: **83032**			PrepDate:		**11/16/2020**	Analyst: **DJ**
Antimony	ND	0.0045	0.010		mg/L	1	11/17/2020 09:04 PM
Arsenic	0.022	0.0077	0.010		mg/L	1	11/17/2020 09:04 PM
Barium	0.22	0.0010	0.0030		mg/L	1	11/17/2020 09:04 PM
Beryllium	0.0024	0.00031	0.0030	J	mg/L	1	11/17/2020 09:04 PM
Cadmium	0.0018	0.00085	0.0030	J	mg/L	1	11/17/2020 09:04 PM
Chromium	0.073	0.00054	0.0030		mg/L	1	11/17/2020 09:04 PM
Cobalt	0.044	0.0019	0.0030		mg/L	1	11/17/2020 09:04 PM
Copper	0.16	0.0011	0.0050		mg/L	1	11/18/2020 08:10 AM
Lead	0.029	0.0040	0.0050		mg/L	1	11/17/2020 09:04 PM
Molybdenum	ND	0.0026	0.0050		mg/L	1	11/17/2020 09:04 PM
Nickel	0.14	0.0020	0.0050		mg/L	1	11/17/2020 09:04 PM
Selenium	ND	0.0085	0.010		mg/L	1	11/17/2020 09:04 PM
Silver	ND	0.0024	0.0030		mg/L	1	11/17/2020 09:04 PM
Thallium	0.0080	0.0060	0.015	J	mg/L	1	11/17/2020 09:04 PM
Vanadium	0.14	0.0012	0.0030		mg/L	1	11/17/2020 09:04 PM
Zinc	0.12	0.0077	0.010		mg/L	1	11/17/2020 09:04 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-031

Client Sample ID: SP3
Collection Date: 11/12/2020 3:00:00 PM
Matrix: WATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **NV00922-MS5_201117A** QC Batch: **P20VW119** PrepDate: Analyst: **HG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.25	0.50		µg/L	1	11/17/2020 01:52 PM
1,1,1-Trichloroethane	ND	0.20	0.50		µg/L	1	11/17/2020 01:52 PM
1,1,2,2-Tetrachloroethane	ND	0.11	0.50		µg/L	1	11/17/2020 01:52 PM
1,1,2-Trichloroethane	ND	0.23	0.50		µg/L	1	11/17/2020 01:52 PM
1,1-Dichloroethane	ND	0.22	0.50		µg/L	1	11/17/2020 01:52 PM
1,1-Dichloroethene	ND	0.17	0.50		µg/L	1	11/17/2020 01:52 PM
1,1-Dichloropropene	ND	0.16	0.50		µg/L	1	11/17/2020 01:52 PM
1,2,3-Trichlorobenzene	ND	0.37	0.50		µg/L	1	11/17/2020 01:52 PM
1,2,3-Trichloropropane	ND	0.23	0.50		µg/L	1	11/17/2020 01:52 PM
1,2,4-Trichlorobenzene	ND	0.10	0.50		µg/L	1	11/17/2020 01:52 PM
1,2,4-Trimethylbenzene	ND	0.060	0.50		µg/L	1	11/17/2020 01:52 PM
1,2-Dibromo-3-chloropropane	ND	0.32	1.0		µg/L	1	11/17/2020 01:52 PM
1,2-Dibromoethane	ND	0.19	0.50		µg/L	1	11/17/2020 01:52 PM
1,2-Dichlorobenzene	ND	0.089	0.50		µg/L	1	11/17/2020 01:52 PM
1,2-Dichloroethane	ND	0.16	1.0		µg/L	1	11/17/2020 01:52 PM
1,2-Dichloropropane	ND	0.16	0.50		µg/L	1	11/17/2020 01:52 PM
1,3,5-Trimethylbenzene	ND	0.051	0.50		µg/L	1	11/17/2020 01:52 PM
1,3-Dichlorobenzene	ND	0.081	0.50		µg/L	1	11/17/2020 01:52 PM
1,3-Dichloropropane	ND	0.13	0.50		µg/L	1	11/17/2020 01:52 PM
1,4-Dichlorobenzene	ND	0.080	0.50		µg/L	1	11/17/2020 01:52 PM
2,2-Dichloropropane	ND	0.22	0.50		µg/L	1	11/17/2020 01:52 PM
2-Butanone	ND	4.7	5.0		µg/L	1	11/17/2020 07:04 PM
2-Chlorotoluene	ND	0.090	0.50		µg/L	1	11/17/2020 01:52 PM
4-Chlorotoluene	ND	0.065	0.50		µg/L	1	11/17/2020 01:52 PM
4-Isopropyltoluene	ND	0.085	0.50		µg/L	1	11/17/2020 01:52 PM
Benzene	ND	0.11	0.50		µg/L	1	11/17/2020 01:52 PM
Bromobenzene	ND	0.093	0.50		µg/L	1	11/17/2020 01:52 PM
Bromodichloromethane	ND	0.20	0.50		µg/L	1	11/17/2020 01:52 PM
Bromoform	ND	0.23	0.50		µg/L	1	11/17/2020 01:52 PM
Bromomethane	ND	0.38	1.0		µg/L	1	11/17/2020 01:52 PM
Carbon tetrachloride	ND	0.33	0.50		µg/L	1	11/17/2020 01:52 PM
Chlorobenzene	ND	0.11	0.50		µg/L	1	11/17/2020 01:52 PM
Chloroethane	ND	0.69	1.0		µg/L	1	11/17/2020 01:52 PM
Chloroform	ND	0.38	0.50		µg/L	1	11/17/2020 01:52 PM
Chloromethane	ND	0.23	0.50		µg/L	1	11/17/2020 01:52 PM
cis-1,2-Dichloroethene	ND	0.11	0.50		µg/L	1	11/17/2020 01:52 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-031

Client Sample ID: SP3
Collection Date: 11/12/2020 3:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **NV00922-MS5_201117A**	QC Batch: **P20VW119**			PrepDate:			Analyst: **HG**
cis-1,3-Dichloropropene	ND	0.16	0.50		µg/L	1	11/17/2020 01:52 PM
Dibromochloromethane	ND	0.23	0.50		µg/L	1	11/17/2020 01:52 PM
Dibromomethane	ND	0.13	0.50		µg/L	1	11/17/2020 01:52 PM
Dichlorodifluoromethane	ND	0.16	0.50		µg/L	1	11/17/2020 01:52 PM
Ethylbenzene	ND	0.11	0.50		µg/L	1	11/17/2020 01:52 PM
Freon-113	ND	0.28	0.50		µg/L	1	11/17/2020 01:52 PM
Hexachlorobutadiene	ND	0.30	0.50		µg/L	1	11/17/2020 01:52 PM
Isopropylbenzene	ND	0.092	0.50		µg/L	1	11/17/2020 01:52 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	11/17/2020 01:52 PM
Methylene chloride	ND	1.2	2.0		µg/L	1	11/17/2020 01:52 PM
MTBE	ND	0.44	0.50		µg/L	1	11/17/2020 01:52 PM
n-Butylbenzene	ND	0.093	0.50		µg/L	1	11/17/2020 01:52 PM
n-Propylbenzene	ND	0.10	0.50		µg/L	1	11/17/2020 01:52 PM
Naphthalene	ND	0.41	0.50		µg/L	1	11/17/2020 01:52 PM
o-Xylene	ND	0.087	0.50		µg/L	1	11/17/2020 01:52 PM
sec-Butylbenzene	ND	0.076	0.50		µg/L	1	11/17/2020 01:52 PM
Styrene	ND	0.41	0.50		µg/L	1	11/17/2020 01:52 PM
tert-Butylbenzene	ND	0.10	0.50		µg/L	1	11/17/2020 01:52 PM
Tetrachloroethene	ND	0.25	0.50		µg/L	1	11/17/2020 01:52 PM
Toluene	ND	0.13	0.50		µg/L	1	11/17/2020 01:52 PM
trans-1,2-Dichloroethene	ND	0.27	1.0		µg/L	1	11/17/2020 01:52 PM
Trichloroethene	ND	0.26	0.50		µg/L	1	11/17/2020 01:52 PM
Trichlorofluoromethane	ND	0.23	0.50		µg/L	1	11/17/2020 01:52 PM
Vinyl chloride	ND	0.19	0.50		µg/L	1	11/17/2020 01:52 PM
Surr: 1,2-Dichloroethane-d4	106	0	72-132		%REC	1	11/17/2020 01:52 PM
Surr: 1,2-Dichloroethane-d4	101	0	72-132		%REC	1	11/17/2020 07:04 PM
Surr: 4-Bromofluorobenzene	94.6	0	80-120		%REC	1	11/17/2020 07:04 PM
Surr: 4-Bromofluorobenzene	96.0	0	80-120		%REC	1	11/17/2020 01:52 PM
Surr: Dibromofluoromethane	104	0	78-130		%REC	1	11/17/2020 07:04 PM
Surr: Dibromofluoromethane	107	0	78-130		%REC	1	11/17/2020 01:52 PM
Surr: Toluene-d8	106	0	80-120		%REC	1	11/17/2020 01:52 PM
Surr: Toluene-d8	104	0	80-120		%REC	1	11/17/2020 07:04 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
			EPA 3510C		**EPA 8015B**		
RunID: **NV00922-GC1_201117B**	QC Batch: **83052**			PrepDate:	**11/17/2020**		Analyst: **PL**

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-031

Client Sample ID: SP3
Collection Date: 11/12/2020 3:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
	EPA 3510C		**EPA 8015B**				
RunID: **NV00922-GC1_201117B**	QC Batch: **83052**			PrepDate:		**11/17/2020**	Analyst: **PL**
DRO	0.032	0.028	0.21	J	mg/L	1	11/17/2020 07:39 PM
ORO	ND	0.040	0.21		mg/L	1	11/17/2020 07:39 PM
Surr: p-Terphenyl	82.6	0	54-139		%REC	1	11/17/2020 07:39 PM
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC4_201117A**	QC Batch: **E20VW112**			PrepDate:			Analyst: **BH**
GRO	0.023	0.019	0.050	J	mg/L	1	11/17/2020 02:12 PM
Surr: Chlorobenzene - d5	112	0	66-123		%REC	1	11/17/2020 02:12 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7470A				
RunID: **NV00922-AA2_201117A**	QC Batch: **83033**			PrepDate:		**11/16/2020**	Analyst: **DJ**
Mercury	0.17	0.13	0.20	J	µg/L	1	11/17/2020 10:49 AM
TOTAL METALS BY ICP							
	EPA 3010A		**EPA 6010B**				
RunID: **NV00922-ICP2_201117C**	QC Batch: **83032**			PrepDate:		**11/16/2020**	Analyst: **DJ**
Antimony	ND	0.0045	0.010		mg/L	1	11/17/2020 09:10 PM
Arsenic	0.016	0.0077	0.010		mg/L	1	11/17/2020 09:10 PM
Barium	0.20	0.0010	0.0030		mg/L	1	11/17/2020 09:10 PM
Beryllium	0.0017	0.00031	0.0030	J	mg/L	1	11/17/2020 09:10 PM
Cadmium	0.0011	0.00085	0.0030	J	mg/L	1	11/17/2020 09:10 PM
Chromium	0.030	0.00054	0.0030		mg/L	1	11/17/2020 09:10 PM
Cobalt	0.040	0.0019	0.0030		mg/L	1	11/17/2020 09:10 PM
Copper	0.089	0.0011	0.0050		mg/L	1	11/18/2020 08:15 AM
Lead	0.011	0.0040	0.0050		mg/L	1	11/17/2020 09:10 PM
Molybdenum	ND	0.0026	0.0050		mg/L	1	11/17/2020 09:10 PM
Nickel	0.087	0.0020	0.0050		mg/L	1	11/17/2020 09:10 PM
Selenium	0.0086	0.0085	0.010	J	mg/L	1	11/17/2020 09:10 PM
Silver	ND	0.0024	0.0030		mg/L	1	11/17/2020 09:10 PM
Thallium	0.0084	0.0060	0.015	J	mg/L	1	11/17/2020 09:10 PM
Vanadium	0.080	0.0012	0.0030		mg/L	1	11/17/2020 09:10 PM
Zinc	0.076	0.0077	0.010		mg/L	1	11/17/2020 09:10 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-032

Client Sample ID: SP4
Collection Date: 11/12/2020 3:30:00 PM
Matrix: WATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **NV00922-MS5_201117A** QC Batch: **P20VW119** PrepDate: Analyst: **HG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.25	0.50		µg/L	1	11/17/2020 02:15 PM
1,1,1-Trichloroethane	ND	0.20	0.50		µg/L	1	11/17/2020 02:15 PM
1,1,2,2-Tetrachloroethane	ND	0.11	0.50		µg/L	1	11/17/2020 02:15 PM
1,1,2-Trichloroethane	ND	0.23	0.50		µg/L	1	11/17/2020 02:15 PM
1,1-Dichloroethane	ND	0.22	0.50		µg/L	1	11/17/2020 02:15 PM
1,1-Dichloroethene	ND	0.17	0.50		µg/L	1	11/17/2020 02:15 PM
1,1-Dichloropropene	ND	0.16	0.50		µg/L	1	11/17/2020 02:15 PM
1,2,3-Trichlorobenzene	ND	0.37	0.50		µg/L	1	11/17/2020 02:15 PM
1,2,3-Trichloropropane	ND	0.23	0.50		µg/L	1	11/17/2020 02:15 PM
1,2,4-Trichlorobenzene	ND	0.10	0.50		µg/L	1	11/17/2020 02:15 PM
1,2,4-Trimethylbenzene	ND	0.060	0.50		µg/L	1	11/17/2020 02:15 PM
1,2-Dibromo-3-chloropropane	ND	0.32	1.0		µg/L	1	11/17/2020 02:15 PM
1,2-Dibromoethane	ND	0.19	0.50		µg/L	1	11/17/2020 02:15 PM
1,2-Dichlorobenzene	ND	0.089	0.50		µg/L	1	11/17/2020 02:15 PM
1,2-Dichloroethane	ND	0.16	1.0		µg/L	1	11/17/2020 02:15 PM
1,2-Dichloropropane	ND	0.16	0.50		µg/L	1	11/17/2020 02:15 PM
1,3,5-Trimethylbenzene	ND	0.051	0.50		µg/L	1	11/17/2020 02:15 PM
1,3-Dichlorobenzene	ND	0.081	0.50		µg/L	1	11/17/2020 02:15 PM
1,3-Dichloropropane	ND	0.13	0.50		µg/L	1	11/17/2020 02:15 PM
1,4-Dichlorobenzene	ND	0.080	0.50		µg/L	1	11/17/2020 02:15 PM
2,2-Dichloropropane	ND	0.22	0.50		µg/L	1	11/17/2020 02:15 PM
2-Butanone	ND	4.7	5.0		µg/L	1	11/17/2020 07:27 PM
2-Chlorotoluene	ND	0.090	0.50		µg/L	1	11/17/2020 02:15 PM
4-Chlorotoluene	ND	0.065	0.50		µg/L	1	11/17/2020 02:15 PM
4-Isopropyltoluene	ND	0.085	0.50		µg/L	1	11/17/2020 02:15 PM
Benzene	ND	0.11	0.50		µg/L	1	11/17/2020 02:15 PM
Bromobenzene	ND	0.093	0.50		µg/L	1	11/17/2020 02:15 PM
Bromodichloromethane	ND	0.20	0.50		µg/L	1	11/17/2020 02:15 PM
Bromoform	ND	0.23	0.50		µg/L	1	11/17/2020 02:15 PM
Bromomethane	ND	0.38	1.0		µg/L	1	11/17/2020 02:15 PM
Carbon tetrachloride	ND	0.33	0.50		µg/L	1	11/17/2020 02:15 PM
Chlorobenzene	ND	0.11	0.50		µg/L	1	11/17/2020 02:15 PM
Chloroethane	ND	0.69	1.0		µg/L	1	11/17/2020 02:15 PM
Chloroform	ND	0.38	0.50		µg/L	1	11/17/2020 02:15 PM
Chloromethane	ND	0.23	0.50		µg/L	1	11/17/2020 02:15 PM
cis-1,2-Dichloroethene	ND	0.11	0.50		µg/L	1	11/17/2020 02:15 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-032

Client Sample ID: SP4
Collection Date: 11/12/2020 3:30:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **NV00922-MS5_201117A** QC Batch: **P20VW119**				PrepDate:			Analyst: **HG**
cis-1,3-Dichloropropene	ND	0.16	0.50		µg/L	1	11/17/2020 02:15 PM
Dibromochloromethane	ND	0.23	0.50		µg/L	1	11/17/2020 02:15 PM
Dibromomethane	ND	0.13	0.50		µg/L	1	11/17/2020 02:15 PM
Dichlorodifluoromethane	ND	0.16	0.50		µg/L	1	11/17/2020 02:15 PM
Ethylbenzene	ND	0.11	0.50		µg/L	1	11/17/2020 02:15 PM
Freon-113	ND	0.28	0.50		µg/L	1	11/17/2020 02:15 PM
Hexachlorobutadiene	ND	0.30	0.50		µg/L	1	11/17/2020 02:15 PM
Isopropylbenzene	ND	0.092	0.50		µg/L	1	11/17/2020 02:15 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	11/17/2020 02:15 PM
Methylene chloride	ND	1.2	2.0		µg/L	1	11/17/2020 02:15 PM
MTBE	ND	0.44	0.50		µg/L	1	11/17/2020 02:15 PM
n-Butylbenzene	ND	0.093	0.50		µg/L	1	11/17/2020 02:15 PM
n-Propylbenzene	ND	0.10	0.50		µg/L	1	11/17/2020 02:15 PM
Naphthalene	ND	0.41	0.50		µg/L	1	11/17/2020 02:15 PM
o-Xylene	ND	0.087	0.50		µg/L	1	11/17/2020 02:15 PM
sec-Butylbenzene	ND	0.076	0.50		µg/L	1	11/17/2020 02:15 PM
Styrene	ND	0.41	0.50		µg/L	1	11/17/2020 02:15 PM
tert-Butylbenzene	ND	0.10	0.50		µg/L	1	11/17/2020 02:15 PM
Tetrachloroethene	ND	0.25	0.50		µg/L	1	11/17/2020 02:15 PM
Toluene	ND	0.13	0.50		µg/L	1	11/17/2020 02:15 PM
trans-1,2-Dichloroethene	ND	0.27	1.0		µg/L	1	11/17/2020 02:15 PM
Trichloroethene	ND	0.26	0.50		µg/L	1	11/17/2020 02:15 PM
Trichlorofluoromethane	ND	0.23	0.50		µg/L	1	11/17/2020 02:15 PM
Vinyl chloride	ND	0.19	0.50		µg/L	1	11/17/2020 02:15 PM
Surr: 1,2-Dichloroethane-d4	102	0	72-132		%REC	1	11/17/2020 02:15 PM
Surr: 1,2-Dichloroethane-d4	104	0	72-132		%REC	1	11/17/2020 07:27 PM
Surr: 4-Bromofluorobenzene	96.3	0	80-120		%REC	1	11/17/2020 02:15 PM
Surr: 4-Bromofluorobenzene	96.2	0	80-120		%REC	1	11/17/2020 07:27 PM
Surr: Dibromofluoromethane	99.1	0	78-130		%REC	1	11/17/2020 07:27 PM
Surr: Dibromofluoromethane	111	0	78-130		%REC	1	11/17/2020 02:15 PM
Surr: Toluene-d8	97.8	0	80-120		%REC	1	11/17/2020 07:27 PM
Surr: Toluene-d8	106	0	80-120		%REC	1	11/17/2020 02:15 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
			EPA 3510C		**EPA 8015B**		
RunID: **NV00922-GC1_201117B** QC Batch: **83052**				PrepDate:	**11/17/2020**		Analyst: **PL**

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-032

Client Sample ID: SP4
Collection Date: 11/12/2020 3:30:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
	EPA 3510C		**EPA 8015B**				
RunID: **NV00922-GC1_201117B**	QC Batch: **83052**			PrepDate:		**11/17/2020**	Analyst: **PL**
DRO	0.048	0.027	0.20	J	mg/L	1	11/17/2020 08:09 PM
ORO	0.055	0.039	0.20	J	mg/L	1	11/17/2020 08:09 PM
Surr: p-Terphenyl	89.3	0	54-139		%REC	1	11/17/2020 08:09 PM
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC4_201117A**	QC Batch: **E20VW112**			PrepDate:			Analyst: **BH**
GRO	0.025	0.019	0.050	J	mg/L	1	11/17/2020 02:42 PM
Surr: Chlorobenzene - d5	120	0	66-123		%REC	1	11/17/2020 02:42 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7470A				
RunID: **NV00922-AA2_201117A**	QC Batch: **83033**			PrepDate:		**11/16/2020**	Analyst: **DJ**
Mercury	ND	0.13	0.20		µg/L	1	11/17/2020 10:53 AM
TOTAL METALS BY ICP							
	EPA 3010A		**EPA 6010B**				
RunID: **NV00922-ICP2_201117C**	QC Batch: **83032**			PrepDate:		**11/16/2020**	Analyst: **DJ**
Antimony	ND	0.0045	0.010		mg/L	1	11/17/2020 09:33 PM
Arsenic	0.014	0.0077	0.010		mg/L	1	11/17/2020 09:33 PM
Barium	0.36	0.0010	0.0030		mg/L	1	11/17/2020 09:33 PM
Beryllium	0.0065	0.00031	0.0030		mg/L	1	11/17/2020 09:33 PM
Cadmium	0.0049	0.00085	0.0030		mg/L	1	11/18/2020 08:19 AM
Chromium	0.085	0.00054	0.0030		mg/L	1	11/17/2020 09:33 PM
Cobalt	0.038	0.0019	0.0030		mg/L	1	11/17/2020 09:33 PM
Copper	0.26	0.0011	0.0050		mg/L	1	11/17/2020 09:33 PM
Lead	0.042	0.0040	0.0050		mg/L	1	11/17/2020 09:33 PM
Molybdenum	ND	0.0026	0.0050		mg/L	1	11/17/2020 09:33 PM
Nickel	0.13	0.0020	0.0050		mg/L	1	11/17/2020 09:33 PM
Selenium	0.0087	0.0085	0.010	J	mg/L	1	11/17/2020 09:33 PM
Silver	ND	0.0024	0.0030		mg/L	1	11/17/2020 09:33 PM
Thallium	0.012	0.0060	0.015	J	mg/L	1	11/17/2020 09:33 PM
Vanadium	0.39	0.0012	0.0030		mg/L	1	11/17/2020 09:33 PM
Zinc	0.18	0.0077	0.010		mg/L	1	11/17/2020 09:33 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-033

Client Sample ID: SP5
Collection Date: 11/12/2020 4:00:00 PM
Matrix: WATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **NV00922-MS5_201117A** QC Batch: **P20VW119** PrepDate: Analyst: **HG**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	0.25	0.50		µg/L	1	11/17/2020 02:37 PM
1,1,1-Trichloroethane	ND	0.20	0.50		µg/L	1	11/17/2020 02:37 PM
1,1,2,2-Tetrachloroethane	ND	0.11	0.50		µg/L	1	11/17/2020 02:37 PM
1,1,2-Trichloroethane	ND	0.23	0.50		µg/L	1	11/17/2020 02:37 PM
1,1-Dichloroethane	ND	0.22	0.50		µg/L	1	11/17/2020 02:37 PM
1,1-Dichloroethene	ND	0.17	0.50		µg/L	1	11/17/2020 02:37 PM
1,1-Dichloropropene	ND	0.16	0.50		µg/L	1	11/17/2020 02:37 PM
1,2,3-Trichlorobenzene	ND	0.37	0.50		µg/L	1	11/17/2020 02:37 PM
1,2,3-Trichloropropane	ND	0.23	0.50		µg/L	1	11/17/2020 02:37 PM
1,2,4-Trichlorobenzene	ND	0.10	0.50		µg/L	1	11/17/2020 02:37 PM
1,2,4-Trimethylbenzene	ND	0.060	0.50		µg/L	1	11/17/2020 02:37 PM
1,2-Dibromo-3-chloropropane	ND	0.32	1.0		µg/L	1	11/17/2020 02:37 PM
1,2-Dibromoethane	ND	0.19	0.50		µg/L	1	11/17/2020 02:37 PM
1,2-Dichlorobenzene	ND	0.089	0.50		µg/L	1	11/17/2020 02:37 PM
1,2-Dichloroethane	ND	0.16	1.0		µg/L	1	11/17/2020 02:37 PM
1,2-Dichloropropane	ND	0.16	0.50		µg/L	1	11/17/2020 02:37 PM
1,3,5-Trimethylbenzene	ND	0.051	0.50		µg/L	1	11/17/2020 02:37 PM
1,3-Dichlorobenzene	ND	0.081	0.50		µg/L	1	11/17/2020 02:37 PM
1,3-Dichloropropane	ND	0.13	0.50		µg/L	1	11/17/2020 02:37 PM
1,4-Dichlorobenzene	ND	0.080	0.50		µg/L	1	11/17/2020 02:37 PM
2,2-Dichloropropane	ND	0.22	0.50		µg/L	1	11/17/2020 02:37 PM
2-Butanone	ND	4.7	5.0		µg/L	1	11/17/2020 07:49 PM
2-Chlorotoluene	ND	0.090	0.50		µg/L	1	11/17/2020 02:37 PM
4-Chlorotoluene	ND	0.065	0.50		µg/L	1	11/17/2020 02:37 PM
4-Isopropyltoluene	ND	0.085	0.50		µg/L	1	11/17/2020 02:37 PM
Benzene	ND	0.11	0.50		µg/L	1	11/17/2020 02:37 PM
Bromobenzene	ND	0.093	0.50		µg/L	1	11/17/2020 02:37 PM
Bromodichloromethane	ND	0.20	0.50		µg/L	1	11/17/2020 02:37 PM
Bromoform	ND	0.23	0.50		µg/L	1	11/17/2020 02:37 PM
Bromomethane	ND	0.38	1.0		µg/L	1	11/17/2020 02:37 PM
Carbon tetrachloride	ND	0.33	0.50		µg/L	1	11/17/2020 02:37 PM
Chlorobenzene	ND	0.11	0.50		µg/L	1	11/17/2020 02:37 PM
Chloroethane	ND	0.69	1.0		µg/L	1	11/17/2020 02:37 PM
Chloroform	ND	0.38	0.50		µg/L	1	11/17/2020 02:37 PM
Chloromethane	ND	0.23	0.50		µg/L	1	11/17/2020 02:37 PM
cis-1,2-Dichloroethene	ND	0.11	0.50		µg/L	1	11/17/2020 02:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-033

Client Sample ID: SP5
Collection Date: 11/12/2020 4:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **NV00922-MS5_201117A** QC Batch: **P20VW119**				PrepDate:			Analyst: **HG**
cis-1,3-Dichloropropene	ND	0.16	0.50		µg/L	1	11/17/2020 02:37 PM
Dibromochloromethane	ND	0.23	0.50		µg/L	1	11/17/2020 02:37 PM
Dibromomethane	ND	0.13	0.50		µg/L	1	11/17/2020 02:37 PM
Dichlorodifluoromethane	ND	0.16	0.50		µg/L	1	11/17/2020 02:37 PM
Ethylbenzene	ND	0.11	0.50		µg/L	1	11/17/2020 02:37 PM
Freon-113	ND	0.28	0.50		µg/L	1	11/17/2020 02:37 PM
Hexachlorobutadiene	ND	0.30	0.50		µg/L	1	11/17/2020 02:37 PM
Isopropylbenzene	ND	0.092	0.50		µg/L	1	11/17/2020 02:37 PM
m,p-Xylene	ND	0.23	1.0		µg/L	1	11/17/2020 02:37 PM
Methylene chloride	ND	1.2	2.0		µg/L	1	11/17/2020 02:37 PM
MTBE	ND	0.44	0.50		µg/L	1	11/17/2020 02:37 PM
n-Butylbenzene	ND	0.093	0.50		µg/L	1	11/17/2020 02:37 PM
n-Propylbenzene	ND	0.10	0.50		µg/L	1	11/17/2020 02:37 PM
Naphthalene	ND	0.41	0.50		µg/L	1	11/17/2020 02:37 PM
o-Xylene	ND	0.087	0.50		µg/L	1	11/17/2020 02:37 PM
sec-Butylbenzene	ND	0.076	0.50		µg/L	1	11/17/2020 02:37 PM
Styrene	ND	0.41	0.50		µg/L	1	11/17/2020 02:37 PM
tert-Butylbenzene	ND	0.10	0.50		µg/L	1	11/17/2020 02:37 PM
Tetrachloroethene	ND	0.25	0.50		µg/L	1	11/17/2020 02:37 PM
Toluene	ND	0.13	0.50		µg/L	1	11/17/2020 02:37 PM
trans-1,2-Dichloroethene	ND	0.27	1.0		µg/L	1	11/17/2020 02:37 PM
Trichloroethene	ND	0.26	0.50		µg/L	1	11/17/2020 02:37 PM
Trichlorofluoromethane	ND	0.23	0.50		µg/L	1	11/17/2020 02:37 PM
Vinyl chloride	ND	0.19	0.50		µg/L	1	11/17/2020 02:37 PM
Surr: 1,2-Dichloroethane-d4	103	0	72-132		%REC	1	11/17/2020 02:37 PM
Surr: 1,2-Dichloroethane-d4	109	0	72-132		%REC	1	11/17/2020 07:49 PM
Surr: 4-Bromofluorobenzene	96.0	0	80-120		%REC	1	11/17/2020 02:37 PM
Surr: 4-Bromofluorobenzene	97.4	0	80-120		%REC	1	11/17/2020 07:49 PM
Surr: Dibromofluoromethane	109	0	78-130		%REC	1	11/17/2020 07:49 PM
Surr: Dibromofluoromethane	108	0	78-130		%REC	1	11/17/2020 02:37 PM
Surr: Toluene-d8	105	0	80-120		%REC	1	11/17/2020 07:49 PM
Surr: Toluene-d8	101	0	80-120		%REC	1	11/17/2020 02:37 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
			EPA 3510C		**EPA 8015B**		
RunID: **NV00922-GC1_201117B** QC Batch: **83052**				PrepDate:	**11/17/2020**		Analyst: **PL**

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Lab Order: N043035
Project: San Jose 07USW, 127712
Lab ID: N043035-033

Client Sample ID: SP5
Collection Date: 11/12/2020 4:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
	EPA 3510C		**EPA 8015B**				
RunID: **NV00922-GC1_201117B**	QC Batch: **83052**			PrepDate:		**11/17/2020**	Analyst: **PL**
DRO	0.055	0.028	0.21	J	mg/L	1	11/17/2020 08:39 PM
ORO	0.046	0.040	0.21	J	mg/L	1	11/17/2020 08:39 PM
Surr: p-Terphenyl	93.1	0	54-139		%REC	1	11/17/2020 08:39 PM
GASOLINE RANGE ORGANICS BY GC/FID							
			EPA 8015B				
RunID: **NV00922-GC4_201117A**	QC Batch: **E20VW112**			PrepDate:			Analyst: **BH**
GRO	0.045	0.019	0.050	J	mg/L	1	11/17/2020 03:49 PM
Surr: Chlorobenzene - d5	118	0	66-123		%REC	1	11/17/2020 03:49 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE							
			EPA 7470A				
RunID: **NV00922-AA2_201117A**	QC Batch: **83033**			PrepDate:		**11/16/2020**	Analyst: **DJ**
Mercury	ND	0.13	0.20		µg/L	1	11/17/2020 10:56 AM
TOTAL METALS BY ICP							
	EPA 3010A		**EPA 6010B**				
RunID: **NV00922-ICP2_201117C**	QC Batch: **83032**			PrepDate:		**11/16/2020**	Analyst: **DJ**
Antimony	ND	0.0045	0.010		mg/L	1	11/17/2020 09:38 PM
Arsenic	0.017	0.0077	0.010		mg/L	1	11/17/2020 09:38 PM
Barium	0.43	0.0010	0.0030		mg/L	1	11/17/2020 09:38 PM
Beryllium	0.0039	0.00031	0.0030		mg/L	1	11/17/2020 09:38 PM
Cadmium	0.0029	0.00085	0.0030	J	mg/L	1	11/18/2020 08:23 AM
Chromium	0.11	0.00054	0.0030		mg/L	1	11/17/2020 09:38 PM
Cobalt	0.053	0.0019	0.0030		mg/L	1	11/17/2020 09:38 PM
Copper	0.27	0.0011	0.0050		mg/L	1	11/17/2020 09:38 PM
Lead	0.017	0.0040	0.0050		mg/L	1	11/17/2020 09:38 PM
Molybdenum	ND	0.0026	0.0050		mg/L	1	11/17/2020 09:38 PM
Nickel	0.14	0.0020	0.0050		mg/L	1	11/17/2020 09:38 PM
Selenium	ND	0.0085	0.010		mg/L	1	11/17/2020 09:38 PM
Silver	ND	0.0024	0.0030		mg/L	1	11/17/2020 09:38 PM
Thallium	0.0086	0.0060	0.015	J	mg/L	1	11/17/2020 09:38 PM
Vanadium	0.16	0.0012	0.0030		mg/L	1	11/17/2020 09:38 PM
Zinc	0.13	0.0077	0.010		mg/L	1	11/17/2020 09:38 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified
DO	Surrogate Diluted Out

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-83028** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **11/16/2020** RunNo: **148794**
Client ID: **PBS** Batch ID: **83028** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **11/17/2020** SeqNo: **4007511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	2.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-83028** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **11/16/2020** RunNo: **148794**
Client ID: **LCSS** Batch ID: **83028** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **11/17/2020** SeqNo: **4007512**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	24.847	2.0	25.00	0	99.4	80	120				
Arsenic	25.972	1.0	25.00	0	104	80	120				
Barium	25.263	1.0	25.00	0	101	80	120				
Beryllium	25.403	1.0	25.00	0	102	80	120				
Cadmium	27.547	1.0	25.00	0	110	80	120				
Chromium	25.310	1.0	25.00	0	101	80	120				
Cobalt	27.540	1.0	25.00	0	110	80	120				

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-83028** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **11/16/2020** RunNo: **148794**
Client ID: **LCSS** Batch ID: **83028** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **11/17/2020** SeqNo: **4007512**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	26.334	2.0	25.00	0	105	80	120				
Lead	25.576	1.0	25.00	0	102	80	120				
Molybdenum	25.524	1.0	25.00	0	102	80	120				
Nickel	25.663	1.0	25.00	0	103	80	120				
Selenium	27.690	1.0	25.00	0	111	80	120				
Silver	24.712	1.0	25.00	0	98.8	80	120				
Thallium	28.889	2.0	25.00	0	116	80	120				
Vanadium	27.581	1.0	25.00	0	110	80	120				
Zinc	26.612	1.0	25.00	0	106	80	120				

Sample ID: **N043035-003A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **11/16/2020** RunNo: **148794**
Client ID: **ZZZZZZ** Batch ID: **83028** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **11/17/2020** SeqNo: **4007521**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	10.034	2.0	24.96	0.6473	37.6	75	125				S
Arsenic	24.023	1.0	24.96	3.245	83.2	75	125				
Barium	259.624	1.0	24.96	227.6	128	75	125				S
Beryllium	21.373	1.0	24.96	0	85.6	75	125				
Cadmium	23.053	1.0	24.96	0.8938	88.8	75	125				
Chromium	97.727	1.0	24.96	67.72	120	75	125				
Cobalt	39.641	1.0	24.96	16.52	92.6	75	125				
Copper	54.130	2.0	24.96	30.55	94.5	75	125				
Lead	28.062	1.0	24.96	7.330	83.1	75	125				
Molybdenum	17.975	1.0	24.96	0	72.0	75	125				S
Nickel	117.073	1.0	24.96	92.09	100	75	125				
Selenium	14.961	1.0	24.96	0	59.9	75	125				S
Silver	22.522	1.0	24.96	0	90.2	75	125				
Thallium	19.372	2.0	24.96	0	77.6	75	125				
Vanadium	86.385	1.0	24.96	49.81	147	75	125				S
Zinc	78.477	1.0	24.96	57.65	83.4	75	125				

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **N043035-003A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **11/16/2020** RunNo: **148794**
Client ID: **ZZZZZZ** Batch ID: **83028** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **11/17/2020** SeqNo: **4007522**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	9.776	2.0	24.93	0.6473	36.6	75	125	10.03	2.60	20	S
Arsenic	23.340	1.0	24.93	3.245	80.6	75	125	24.02	2.88	20	
Barium	249.079	1.0	24.93	227.6	86.1	75	125	259.6	4.15	20	
Beryllium	21.193	1.0	24.93	0	85.0	75	125	21.37	0.845	20	
Cadmium	23.041	1.0	24.93	0.8938	88.9	75	125	23.05	0.0524	20	
Chromium	97.532	1.0	24.93	67.72	120	75	125	97.73	0.200	20	
Cobalt	39.053	1.0	24.93	16.52	90.4	75	125	39.64	1.50	20	
Copper	53.277	2.0	24.93	30.55	91.2	75	125	54.13	1.59	20	
Lead	27.774	1.0	24.93	7.330	82.0	75	125	28.06	1.03	20	
Molybdenum	18.019	1.0	24.93	0	72.3	75	125	17.97	0.246	20	S
Nickel	113.328	1.0	24.93	92.09	85.2	75	125	117.1	3.25	20	
Selenium	14.763	1.0	24.93	0	59.2	75	125	14.96	1.33	20	S
Silver	22.457	1.0	24.93	0	90.1	75	125	22.52	0.290	20	
Thallium	19.752	2.0	24.93	0	79.2	75	125	19.37	1.94	20	
Vanadium	85.851	1.0	24.93	49.81	145	75	125	86.39	0.620	20	S
Zinc	77.584	1.0	24.93	57.65	80.0	75	125	78.48	1.14	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-83046**	SampType: **MBLK**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **11/17/2020**	RunNo: **148770**
Client ID: **PBS**	Batch ID: **83046**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **11/17/2020**	SeqNo: **4006488**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	2.0									
Zinc	ND	1.0									

Sample ID: **LCS-83046**	SampType: **LCS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **11/17/2020**	RunNo: **148770**
Client ID: **LCSS**	Batch ID: **83046**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **11/17/2020**	SeqNo: **4006490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	28.172	2.0	25.00	0	113	80	120				
Arsenic	26.694	1.0	25.00	0	107	80	120				
Barium	27.312	1.0	25.00	0	109	80	120				
Beryllium	25.397	1.0	25.00	0	102	80	120				
Cadmium	23.508	1.0	25.00	0	94.0	80	120				
Chromium	25.213	1.0	25.00	0	101	80	120				
Cobalt	26.457	1.0	25.00	0	106	80	120				
Copper	24.757	2.0	25.00	0	99.0	80	120				
Lead	27.302	1.0	25.00	0	109	80	120				
Molybdenum	25.838	1.0	25.00	0	103	80	120				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-83046** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **11/17/2020** RunNo: **148770**
Client ID: **LCSS** Batch ID: **83046** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **11/17/2020** SeqNo: **4006490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	25.814	1.0	25.00	0	103	80	120				
Selenium	25.268	1.0	25.00	0	101	80	120				
Silver	29.169	1.0	25.00	0	117	80	120				
Thallium	23.714	2.0	25.00	0	94.9	80	120				
Zinc	25.926	1.0	25.00	0	104	80	120				

Sample ID: **N043035-025A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **11/17/2020** RunNo: **148770**
Client ID: **ZZZZZZ** Batch ID: **83046** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **11/17/2020** SeqNo: **4006494**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	19.438	2.0	24.99	0	77.8	75	125				
Arsenic	23.190	1.0	24.99	0	92.8	75	125				
Barium	111.296	1.0	24.99	78.44	131	75	125				S
Beryllium	23.193	1.0	24.99	0	92.8	75	125				
Cadmium	21.245	1.0	24.99	0.4200	83.3	75	125				
Chromium	64.122	1.0	24.99	37.68	106	75	125				
Cobalt	33.069	1.0	24.99	9.497	94.3	75	125				
Copper	41.085	2.0	24.99	17.45	94.6	75	125				
Lead	28.972	1.0	24.99	3.964	100	75	125				
Molybdenum	23.017	1.0	24.99	0	92.1	75	125				
Nickel	73.787	1.0	24.99	50.09	94.8	75	125				
Selenium	22.703	1.0	24.99	0	90.9	75	125				
Silver	29.793	1.0	24.99	0	119	75	125				
Thallium	19.465	2.0	24.99	0	77.9	75	125				
Zinc	51.701	1.0	24.99	29.20	90.1	75	125				

Sample ID: **N043035-025A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **11/17/2020** RunNo: **148770**
Client ID: **ZZZZZZ** Batch ID: **83046** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **11/17/2020** SeqNo: **4006495**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **N043035-025A-MSD**	SampType: **MSD**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **11/17/2020**	RunNo: **148770**
Client ID: **ZZZZZZ**	Batch ID: **83046**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **11/17/2020**	SeqNo: **4006495**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	19.046	2.0	24.94	0	76.4	75	125	19.44	2.04	20	
Arsenic	22.549	1.0	24.94	0	90.4	75	125	23.19	2.81	20	
Barium	115.009	1.0	24.94	78.44	147	75	125	111.3	3.28	20	S
Beryllium	22.573	1.0	24.94	0	90.5	75	125	23.19	2.71	20	
Cadmium	20.666	1.0	24.94	0.4200	81.2	75	125	21.24	2.76	20	
Chromium	65.366	1.0	24.94	37.68	111	75	125	64.12	1.92	20	
Cobalt	32.732	1.0	24.94	9.497	93.2	75	125	33.07	1.02	20	
Copper	41.342	2.0	24.94	17.45	95.8	75	125	41.09	0.624	20	
Lead	28.764	1.0	24.94	3.964	99.4	75	125	28.97	0.721	20	
Molybdenum	22.526	1.0	24.94	0	90.3	75	125	23.02	2.15	20	
Nickel	75.788	1.0	24.94	50.09	103	75	125	73.79	2.67	20	
Selenium	22.912	1.0	24.94	0	91.9	75	125	22.70	0.916	20	
Silver	29.432	1.0	24.94	0	118	75	125	29.79	1.22	20	
Thallium	18.700	2.0	24.94	0	75.0	75	125	19.46	4.01	20	S
Zinc	52.146	1.0	24.94	29.20	92.0	75	125	51.70	0.858	20	

Sample ID: **MB-83046**	SampType: **MBLK**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **11/17/2020**	RunNo: **148776**
Client ID: **PBS**	Batch ID: **83046**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **11/17/2020**	SeqNo: **4006739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vanadium	ND	1.0									

Sample ID: **LCS-83046**	SampType: **LCS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **11/17/2020**	RunNo: **148776**
Client ID: **LCSS**	Batch ID: **83046**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **11/17/2020**	SeqNo: **4006740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vanadium	25.403	1.0	25.00	0	102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **N043035-025A-MS**	SampType: **MS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **11/17/2020**	RunNo: **148776**
Client ID: **ZZZZZZ**	Batch ID: **83046**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **11/17/2020**	SeqNo: **4006744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vanadium	61.629	1.0	24.99	32.72	116	75	125				

Sample ID: **N043035-025A-MSD**	SampType: **MSD**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **11/17/2020**	RunNo: **148776**
Client ID: **ZZZZZZ**	Batch ID: **83046**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **11/17/2020**	SeqNo: **4006745**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vanadium	61.474	1.0	24.94	32.72	115	75	125	61.63	0.252	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **MB-83032** SampType: **MBLK** TestCode: **6010_W** Units: **mg/L** Prep Date: **11/16/2020** RunNo: **148785**
Client ID: **PBW** Batch ID: **83032** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **11/17/2020** SeqNo: **4006962**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.010									
Arsenic	ND	0.010									
Barium	ND	0.0030									
Beryllium	ND	0.0030									
Cadmium	ND	0.0030									
Chromium	ND	0.0030									
Cobalt	ND	0.0030									
Copper	ND	0.0050									
Lead	ND	0.0050									
Molybdenum	0.003	0.0050									J
Nickel	ND	0.0050									
Selenium	ND	0.010									
Silver	ND	0.0030									
Thallium	ND	0.015									
Vanadium	ND	0.0030									
Zinc	ND	0.010									

Sample ID: **N043035-029C-MS** SampType: **MS** TestCode: **6010_W** Units: **mg/L** Prep Date: **11/16/2020** RunNo: **148785**
Client ID: **ZZZZZZ** Batch ID: **83032** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **11/17/2020** SeqNo: **4006968**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.447	0.010	0.5000	0.007320	88.0	75	125				
Arsenic	0.499	0.010	0.5000	0.02471	94.9	75	125				
Barium	1.009	0.0030	0.5000	0.4970	102	75	125				
Beryllium	0.465	0.0030	0.5000	0.004313	92.2	75	125				
Cadmium	0.439	0.0030	0.5000	0.003018	87.2	75	125				
Chromium	0.489	0.0030	0.5000	0.05088	87.7	75	125				
Cobalt	0.575	0.0030	0.5000	0.1146	92.0	75	125				
Copper	0.634	0.0050	0.5000	0.1632	94.2	75	125				
Lead	0.464	0.0050	0.5000	0.02292	88.2	75	125				

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **N043035-029C-MS** SampType: **MS** TestCode: **6010_W** Units: **mg/L** Prep Date: **11/16/2020** RunNo: **148785**
Client ID: **ZZZZZZ** Batch ID: **83032** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **11/17/2020** SeqNo: **4006968**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	0.447	0.0050	0.5000	0.006180	88.1	75	125				
Nickel	0.646	0.0050	0.5000	0.2105	87.1	75	125				
Selenium	0.490	0.010	0.5000	0.01771	94.5	75	125				
Silver	0.526	0.0030	0.5000	0	105	75	125				
Thallium	0.413	0.015	0.5000	0	82.6	75	125				
Vanadium	0.551	0.0030	0.5000	0.06685	96.8	75	125				
Zinc	0.555	0.010	0.5000	0.1577	79.4	75	125				

Sample ID: **N043035-029C-MSD** SampType: **MSD** TestCode: **6010_W** Units: **mg/L** Prep Date: **11/16/2020** RunNo: **148785**
Client ID: **ZZZZZZ** Batch ID: **83032** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **11/17/2020** SeqNo: **4006969**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.428	0.010	0.5000	0.007320	84.0	75	125	0.4471	4.48	20	
Arsenic	0.520	0.010	0.5000	0.02471	99.1	75	125	0.4992	4.13	20	
Barium	1.028	0.0030	0.5000	0.4970	106	75	125	1.009	1.92	20	
Beryllium	0.467	0.0030	0.5000	0.004313	92.5	75	125	0.4651	0.347	20	
Cadmium	0.502	0.0030	0.5000	0.003018	99.8	75	125	0.4393	13.3	20	
Chromium	0.488	0.0030	0.5000	0.05088	87.4	75	125	0.4894	0.258	20	
Cobalt	0.619	0.0030	0.5000	0.1146	101	75	125	0.5746	7.39	20	
Copper	0.655	0.0050	0.5000	0.1632	98.4	75	125	0.6341	3.23	20	
Lead	0.477	0.0050	0.5000	0.02292	90.8	75	125	0.4640	2.80	20	
Molybdenum	0.445	0.0050	0.5000	0.006180	87.8	75	125	0.4469	0.351	20	
Nickel	0.666	0.0050	0.5000	0.2105	91.2	75	125	0.6459	3.11	20	
Selenium	0.544	0.010	0.5000	0.01771	105	75	125	0.4900	10.5	20	
Silver	0.503	0.0030	0.5000	0	101	75	125	0.5259	4.36	20	
Thallium	0.490	0.015	0.5000	0	98.1	75	125	0.4131	17.1	20	
Vanadium	0.596	0.0030	0.5000	0.06685	106	75	125	0.5509	7.84	20	
Zinc	0.602	0.010	0.5000	0.1577	89.0	75	125	0.5548	8.24	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **LCS-83032** SampType: **LCS** TestCode: **6010_W** Units: **mg/L** Prep Date: **11/16/2020** RunNo: **148785**
Client ID: **LCSW** Batch ID: **83032** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **11/17/2020** SeqNo: **4006974**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.493	0.010	0.5000	0	98.7	85	115				
Arsenic	0.517	0.010	0.5000	0	103	85	115				
Barium	0.499	0.0030	0.5000	0	99.8	85	115				
Beryllium	0.511	0.0030	0.5000	0	102	85	115				
Cadmium	0.542	0.0030	0.5000	0	108	85	115				
Chromium	0.500	0.0030	0.5000	0	100	85	115				
Cobalt	0.546	0.0030	0.5000	0	109	85	115				
Copper	0.518	0.0050	0.5000	0	104	85	115				
Lead	0.508	0.0050	0.5000	0	102	85	115				
Molybdenum	0.507	0.0050	0.5000	0	101	85	115				
Nickel	0.507	0.0050	0.5000	0	101	85	115				
Selenium	0.543	0.010	0.5000	0	109	85	115				
Silver	0.490	0.0030	0.5000	0	98.0	85	115				
Thallium	0.566	0.015	0.5000	0	113	85	115				
Vanadium	0.541	0.0030	0.5000	0	108	85	115				
Zinc	0.523	0.010	0.5000	0	105	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 7470_W

Sample ID: **MB-83033**	SampType: **MBLK**	TestCode: **7470_W**	Units: **µg/L**	Prep Date: **11/16/2020**	RunNo: **148763**
Client ID: **PBW**	Batch ID: **83033**	TestNo: **EPA 7470A**		Analysis Date: **11/17/2020**	SeqNo: **4006181**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.20									

Sample ID: **LCS-83033**	SampType: **LCS**	TestCode: **7470_W**	Units: **µg/L**	Prep Date: **11/16/2020**	RunNo: **148763**
Client ID: **LCSW**	Batch ID: **83033**	TestNo: **EPA 7470A**		Analysis Date: **11/17/2020**	SeqNo: **4006182**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.660	0.20	5.000	0	93.2	85	115				

Sample ID: **N043029-001A-MS**	SampType: **MS**	TestCode: **7470_W**	Units: **µg/L**	Prep Date: **11/16/2020**	RunNo: **148763**
Client ID: **ZZZZZZ**	Batch ID: **83033**	TestNo: **EPA 7470A**		Analysis Date: **11/17/2020**	SeqNo: **4006187**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.600	0.20	5.000	0	92.0	75	125				

Sample ID: **N043029-001A-MSD**	SampType: **MSD**	TestCode: **7470_W**	Units: **µg/L**	Prep Date: **11/16/2020**	RunNo: **148763**
Client ID: **ZZZZZZ**	Batch ID: **83033**	TestNo: **EPA 7470A**		Analysis Date: **11/17/2020**	SeqNo: **4006188**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.630	0.20	5.000	0	92.6	75	125	4.600	0.650	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-83029**	SampType: **MBLK**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **11/16/2020**	RunNo: **148742**
Client ID: **PBS**	Batch ID: **83029**	TestNo: **EPA 7471A**		Analysis Date: **11/16/2020**	SeqNo: **4005388**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-83029**	SampType: **LCS**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **11/16/2020**	RunNo: **148742**
Client ID: **LCSS**	Batch ID: **83029**	TestNo: **EPA 7471A**		Analysis Date: **11/16/2020**	SeqNo: **4005389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.458	0.10	0.4167	0	110	80	120				

Sample ID: **N043035-004A-MS**	SampType: **MS**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **11/16/2020**	RunNo: **148742**
Client ID: **ZZZZZZ**	Batch ID: **83029**	TestNo: **EPA 7471A**		Analysis Date: **11/16/2020**	SeqNo: **4005398**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.542	0.099	0.4105	0.06404	116	75	125				

Sample ID: **N043035-004A-MSD**	SampType: **MSD**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **11/16/2020**	RunNo: **148742**
Client ID: **ZZZZZZ**	Batch ID: **83029**	TestNo: **EPA 7471A**		Analysis Date: **11/16/2020**	SeqNo: **4005399**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.529	0.10	0.4153	0.06404	112	75	125	0.5419	2.39	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-83047**	SampType: **MBLK**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **11/17/2020**	RunNo: **148768**
Client ID: **PBS**	Batch ID: **83047**	TestNo: **EPA 7471A**		Analysis Date: **11/17/2020**	SeqNo: **4006288**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-83047**	SampType: **LCS**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **11/17/2020**	RunNo: **148768**
Client ID: **LCSS**	Batch ID: **83047**	TestNo: **EPA 7471A**		Analysis Date: **11/17/2020**	SeqNo: **4006289**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.407	0.10	0.4167	0	97.6	80	120				

Sample ID: **N043058-001B-MS**	SampType: **MS**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **11/17/2020**	RunNo: **148768**
Client ID: **ZZZZZZ**	Batch ID: **83047**	TestNo: **EPA 7471A**		Analysis Date: **11/17/2020**	SeqNo: **4006296**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.396	0.099	0.4112	0	96.4	75	125				

Sample ID: **N043058-001B-MSD**	SampType: **MSD**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **11/17/2020**	RunNo: **148768**
Client ID: **ZZZZZZ**	Batch ID: **83047**	TestNo: **EPA 7471A**		Analysis Date: **11/17/2020**	SeqNo: **4006299**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.379	0.099	0.4133	0	91.8	75	125	0.3964	4.39	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID: **MB-83039** SampType: **MBLK** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **11/16/2020** RunNo: **148791**
Client ID: **PBS** Batch ID: **83039** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **11/17/2020** SeqNo: **4007075**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	3.524	10									J
ORO	6.266	10									J
Surr: p-Terphenyl	78.856		80.00		98.6	56	133				

Sample ID: **LCS-83039** SampType: **LCS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **11/16/2020** RunNo: **148791**
Client ID: **LCSS** Batch ID: **83039** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **11/17/2020** SeqNo: **4007076**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	993.553	10	1000	0	99.4	66	121				
Surr: p-Terphenyl	79.289		80.00		99.1	56	133				

Sample ID: **N042999-001A-MS** SampType: **MS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **11/16/2020** RunNo: **148791**
Client ID: **ZZZZZZ** Batch ID: **83039** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **11/17/2020** SeqNo: **4007095**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1065.528	10	998.0	116.6	95.1	37	141				
Surr: p-Terphenyl	64.365		79.84		80.6	56	133				

Sample ID: **N042999-001A-MSD** SampType: **MSD** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **11/16/2020** RunNo: **148791**
Client ID: **ZZZZZZ** Batch ID: **83039** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **11/17/2020** SeqNo: **4007096**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1090.744	10	997.0	116.6	97.7	37	141	1066	2.34	20	
Surr: p-Terphenyl	70.003		79.76		87.8	56	133		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID: **LCS-83040** SampType: **LCS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **11/16/2020** RunNo: **148758**
Client ID: **LCSS** Batch ID: **83040** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **11/16/2020** SeqNo: **4006057**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	930.771	10	1000	0	93.1	66	121				
Surr: p-Terphenyl	73.899		80.00		92.4	56	133				

Sample ID: **MB-83040** SampType: **MBLK** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **11/16/2020** RunNo: **148758**
Client ID: **PBS** Batch ID: **83040** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **11/16/2020** SeqNo: **4006058**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	9.334	10									J
ORO	9.943	10									J
Surr: p-Terphenyl	73.489		80.00		91.9	56	133				

Sample ID: **N043035-009A-MS** SampType: **MS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **11/16/2020** RunNo: **148758**
Client ID: **ZZZZZZ** Batch ID: **83040** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **11/16/2020** SeqNo: **4006060**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	951.530	10	1007	13.40	93.2	37	141				
Surr: p-Terphenyl	77.307		80.56		96.0	56	133				

Sample ID: **N043035-009A-MSD** SampType: **MSD** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **11/16/2020** RunNo: **148758**
Client ID: **ZZZZZZ** Batch ID: **83040** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **11/16/2020** SeqNo: **4006061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	980.541	10	1005	13.40	96.2	37	141	951.5	3.00	20	
Surr: p-Terphenyl	79.428		80.40		98.8	56	133		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID: **MB-83051** SampType: **MBLK** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **11/17/2020** RunNo: **148766**
Client ID: **PBS** Batch ID: **83051** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **11/17/2020** SeqNo: **4006253**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	5.136	10									J
ORO	4.435	10									J
Surr: p-Terphenyl	78.855		80.00		98.6	56	133				

Sample ID: **LCS-83051** SampType: **LCS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **11/17/2020** RunNo: **148766**
Client ID: **LCSS** Batch ID: **83051** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **11/17/2020** SeqNo: **4006254**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	961.665	10	1000	0	96.2	66	121				
Surr: p-Terphenyl	68.275		80.00		85.3	56	133				

Sample ID: **N043058-006A-MS** SampType: **MS** TestCode: **8015_S_DM H** Units: **mg/Kg-dry** Prep Date: **11/17/2020** RunNo: **148766**
Client ID: **ZZZZZZ** Batch ID: **83051** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **11/17/2020** SeqNo: **4006256**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1001.444	10	1009	6.440	98.6	37	141				
Surr: p-Terphenyl	68.460		80.76		84.8	56	133				

Sample ID: **N043058-006A-MSD** SampType: **MSD** TestCode: **8015_S_DM H** Units: **mg/Kg-dry** Prep Date: **11/17/2020** RunNo: **148766**
Client ID: **ZZZZZZ** Batch ID: **83051** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **11/17/2020** SeqNo: **4006257**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1071.088	10	1001	6.440	106	37	141	1001	6.72	20	
Surr: p-Terphenyl	73.091		80.11		91.2	56	133		0		

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DM

Sample ID: **MB-83052**	SampType: **MBLK**	TestCode: **8015_W_DM**	Units: **mg/L**	Prep Date: **11/17/2020**	RunNo: **148777**
Client ID: **PBW**	Batch ID: **83052**	TestNo: **EPA 8015B**	**EPA 3510C**	Analysis Date: **11/17/2020**	SeqNo: **4006682**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.029	0.20									J
ORO	ND	0.20									
Surr: p-Terphenyl	0.065		0.08000		81.8	54	139				

Sample ID: **LCS-83052**	SampType: **LCS**	TestCode: **8015_W_DM**	Units: **mg/L**	Prep Date: **11/17/2020**	RunNo: **148777**
Client ID: **LCSW**	Batch ID: **83052**	TestNo: **EPA 8015B**	**EPA 3510C**	Analysis Date: **11/17/2020**	SeqNo: **4006683**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.945	0.20	1.000	0	94.5	45	131				
Surr: p-Terphenyl	0.080		0.08000		100	54	139				

Sample ID: **LCSD-83052**	SampType: **LCSD**	TestCode: **8015_W_DM**	Units: **mg/L**	Prep Date: **11/17/2020**	RunNo: **148777**
Client ID: **LCSS02**	Batch ID: **83052**	TestNo: **EPA 8015B**	**EPA 3510C**	Analysis Date: **11/17/2020**	SeqNo: **4006684**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.922	0.20	1.000	0	92.2	45	131	0.9451	2.51	20	
Surr: p-Terphenyl	0.076		0.08000		95.2	54	139		0		

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_S

Sample ID: **E201116LCS** SampType: **LCS** TestCode: **8015GAS_S** Units: **mg/Kg** Prep Date: RunNo: **148754**
Client ID: **LCSS** Batch ID: **E20VS172** TestNo: **EPA 8015B** Analysis Date: **11/16/2020** SeqNo: **4005924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.244	1.0	5.000	0	84.9	79	134				
Surr: Chlorobenzene - d5	94.260		100.0		94.3	54	160				

Sample ID: **E201116MB** SampType: **MBLK** TestCode: **8015GAS_S** Units: **mg/Kg** Prep Date: RunNo: **148754**
Client ID: **PBS** Batch ID: **E20VS172** TestNo: **EPA 8015B** Analysis Date: **11/16/2020** SeqNo: **4005925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Chlorobenzene - d5	100.445		100.0		100	54	160				

Sample ID: **N043024-001AMS** SampType: **MS** TestCode: **8015GAS_S** Units: **mg/Kg** Prep Date: RunNo: **148754**
Client ID: **ZZZZZZ** Batch ID: **E20VS172** TestNo: **EPA 8015B** Analysis Date: **11/16/2020** SeqNo: **4005931**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	6.910	1.0	5.000	0	138	25	166				
Surr: Chlorobenzene - d5	126.584		100.0		127	54	160				

Sample ID: **N043024-001AMSD** SampType: **MSD** TestCode: **8015GAS_S** Units: **mg/Kg** Prep Date: RunNo: **148754**
Client ID: **ZZZZZZ** Batch ID: **E20VS172** TestNo: **EPA 8015B** Analysis Date: **11/16/2020** SeqNo: **4005932**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	6.684	1.0	5.000	0	134	25	166	6.910	3.32	20	
Surr: Chlorobenzene - d5	127.308		100.0		127	54	160		0		

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_S

Sample ID: **Q201116LCS** SampType: **LCS** TestCode: **8015GAS_S** Units: **mg/Kg** Prep Date: RunNo: **148750**
Client ID: **LCSS** Batch ID: **Q20VS069** TestNo: **EPA 8015B** Analysis Date: **11/16/2020** SeqNo: **4005867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.372	1.0	5.000	0	107	79	134				
Surr: Chlorobenzene - d5	93.530		100.0		93.5	54	160				

Sample ID: **Q201116MB** SampType: **MBLK** TestCode: **8015GAS_S** Units: **mg/Kg** Prep Date: RunNo: **148750**
Client ID: **PBS** Batch ID: **Q20VS069** TestNo: **EPA 8015B** Analysis Date: **11/16/2020** SeqNo: **4005868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Chlorobenzene - d5	104.709		100.0		105	54	160				

Sample ID: **N043035-002BMS** SampType: **MS** TestCode: **8015GAS_S** Units: **mg/Kg** Prep Date: RunNo: **148750**
Client ID: **ZZZZZZ** Batch ID: **Q20VS069** TestNo: **EPA 8015B** Analysis Date: **11/16/2020** SeqNo: **4005870**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.133	1.0	5.000	0	82.7	25	166				
Surr: Chlorobenzene - d5	80.219		100.0		80.2	54	160				

Sample ID: **N043035-002BMSD** SampType: **MSD** TestCode: **8015GAS_S** Units: **mg/Kg** Prep Date: RunNo: **148750**
Client ID: **ZZZZZZ** Batch ID: **Q20VS069** TestNo: **EPA 8015B** Analysis Date: **11/16/2020** SeqNo: **4005871**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.080	1.0	5.000	0	81.6	25	166	4.133	1.29	20	
Surr: Chlorobenzene - d5	78.174		100.0		78.2	54	160		0		

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_WP

Sample ID: **E201117LCS** SampType: **LCS** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **148775**
Client ID: **LCSW** Batch ID: **E20VW112** TestNo: **EPA 8015B** Analysis Date: **11/17/2020** SeqNo: **4006654**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.014	0.050	1.000	0	101	62	140				
Surr: Chlorobenzene - d5	47.123		50.00		94.2	66	123				

Sample ID: **E201117MB** SampType: **MBLK** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **148775**
Client ID: **PBW** Batch ID: **E20VW112** TestNo: **EPA 8015B** Analysis Date: **11/17/2020** SeqNo: **4006655**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.024	0.050									J
Surr: Chlorobenzene - d5	54.881		50.00		110	66	123				

Sample ID: **N043035-029AMS** SampType: **MS** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **148775**
Client ID: **ZZZZZZ** Batch ID: **E20VW112** TestNo: **EPA 8015B** Analysis Date: **11/17/2020** SeqNo: **4006657**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.311	0.050	1.000	0.03000	128	62	140				
Surr: Chlorobenzene - d5	55.099		50.00		110	66	123				

Sample ID: **N043035-029AMSD** SampType: **MSD** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **148775**
Client ID: **ZZZZZZ** Batch ID: **E20VW112** TestNo: **EPA 8015B** Analysis Date: **11/17/2020** SeqNo: **4006658**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.261	0.050	1.000	0.03000	123	62	140	1.311	3.89	30	
Surr: Chlorobenzene - d5	51.501		50.00		103	66	123		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-83038** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **11/16/2020** RunNo: **148786**
Client ID: **LCSS** Batch ID: **83038** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **11/16/2020** SeqNo: **4007005**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	10.198	2.0	16.67	0	61.2	35	117				
4,4´-DDE	13.200	2.0	16.67	0	79.2	44	118				
4,4´-DDT	11.450	2.0	16.67	0	68.7	37	114				
Aldrin	13.627	1.0	16.67	0	81.7	35	128				
alpha-BHC	13.640	1.0	16.67	0	81.8	38	123				
alpha-Chlordane	13.717	1.0	16.67	0	82.3	39	118				
beta-BHC	12.952	1.0	16.67	0	77.7	34	109				
delta-BHC	10.768	1.0	16.67	0	64.6	40	107				
Dieldrin	15.317	2.0	16.67	0	91.9	39	129				
Endosulfan I	13.883	1.0	16.67	0	83.3	39	118				
Endosulfan II	15.817	2.0	16.67	0	94.9	34	139				
Endosulfan sulfate	13.617	2.0	16.67	0	81.7	49	114				
Endrin	15.033	2.0	16.67	0	90.2	47	130				
Endrin aldehyde	13.783	2.0	16.67	0	82.7	42	116				
Endrin ketone	14.750	2.0	16.67	0	88.5	43	114				
gamma-BHC	13.697	1.0	16.67	0	82.2	35	124				
gamma-Chlordane	13.817	1.0	16.67	0	82.9	33	117				
Heptachlor	14.203	1.0	16.67	0	85.2	44	126				
Heptachlor epoxide	13.933	1.0	16.67	0	83.6	37	118				
Methoxychlor	12.595	8.5	16.67	0	75.6	49	121				
Surr: Tetrachloro-m-xylene	13.320		16.67		79.9	32	100				
Surr: Decachlorobiphenyl	13.470		16.67		80.8	26	104				

Sample ID: **MB-83038** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **11/16/2020** RunNo: **148786**
Client ID: **PBS** Batch ID: **83038** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **11/16/2020** SeqNo: **4007006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **MB-83038** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **11/16/2020** RunNo: **148786**
Client ID: **PBS** Batch ID: **83038** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **11/16/2020** SeqNo: **4007006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	12.588		16.67		75.5	32	100				
Surr: Decachlorobiphenyl	12.668		16.67		76.0	26	104				

Sample ID: **N043035-028A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **11/16/2020** RunNo: **148786**
Client ID: **ZZZZZZ** Batch ID: **83038** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **11/16/2020** SeqNo: **4007008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	65.815	2.0	16.65	20.53	272	33	104				S
Aldrin	11.463	1.0	16.65	0	68.9	27	101				
alpha-BHC	11.525	1.0	16.65	0	69.2	30	100				
alpha-Chlordane	13.244	1.0	16.65	0	79.6	32	100				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N043035-028A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **11/16/2020** RunNo: **148786**
Client ID: **ZZZZZZ** Batch ID: **83038** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **11/16/2020** SeqNo: **4007008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
beta-BHC	12.144	1.0	16.65	0	72.9	24	100				
delta-BHC	11.673	1.0	16.65	0	70.1	32	100				
Dieldrin	28.612	2.0	16.65	10.87	107	30	100				S
Endosulfan I	20.738	1.0	16.65	0	125	26	100				S
Endosulfan II	13.715	2.0	16.65	0	82.4	26	100				
Endosulfan sulfate	15.378	2.0	16.65	0	92.4	26	100				
Endrin	16.744	2.0	16.65	0	101	37	102				
Endrin aldehyde	20.621	2.0	16.65	0	124	15	100				S
Endrin ketone	12.823	2.0	16.65	0	77.0	19	100				
gamma-BHC	11.714	1.0	16.65	0	70.4	30	100				
gamma-Chlordane	33.186	1.0	16.65	0	199	24	102				S
Heptachlor	11.513	1.0	16.65	0	69.2	30	106				
Heptachlor epoxide	13.859	1.0	16.65	0	83.2	28	100				
Methoxychlor	34.792	8.5	16.65	0	209	21	122				S
Surr: Tetrachloro-m-xylene	11.150		16.65		67.0	32	100				
Surr: Decachlorobiphenyl	10.774		16.65		64.7	26	104				

Sample ID: **N043035-028A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **11/16/2020** RunNo: **148786**
Client ID: **ZZZZZZ** Batch ID: **83038** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **11/16/2020** SeqNo: **4007009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	11.878	1.0	16.59	0	71.6	27	101	11.46	3.55	20	
alpha-BHC	11.858	1.0	16.59	0	71.5	30	100	11.52	2.85	20	
alpha-Chlordane	13.787	1.0	16.59	0	83.1	32	100	13.24	4.02	20	
beta-BHC	13.354	1.0	16.59	0	80.5	24	100	12.14	9.50	20	
delta-BHC	11.294	1.0	16.59	0	68.1	32	100	11.67	3.30	20	
Dieldrin	46.433	2.0	16.59	10.87	214	30	100	28.61	47.5	20	SR
Endosulfan I	19.132	1.0	16.59	0	115	26	100	20.74	8.05	20	S
Endosulfan II	14.675	2.0	16.59	0	88.4	26	100	13.72	6.76	20	
Endosulfan sulfate	15.962	2.0	16.59	0	96.2	26	100	15.38	3.73	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N043035-028A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **11/16/2020** RunNo: **148786**
Client ID: **ZZZZZZ** Batch ID: **83038** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **11/16/2020** SeqNo: **4007009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endrin	18.143	2.0	16.59	0	109	37	102	16.74	8.02	20	S
Endrin aldehyde	22.819	2.0	16.59	0	138	15	100	20.62	10.1	20	S
Endrin ketone	12.830	2.0	16.59	0	77.3	19	100	12.82	0.0563	20	
gamma-BHC	12.777	1.0	16.59	0	77.0	30	100	11.71	8.68	20	
Heptachlor	11.768	1.0	16.59	0	70.9	30	106	11.51	2.19	20	
Heptachlor epoxide	14.595	1.0	16.59	0	88.0	28	100	13.86	5.18	20	
Methoxychlor	39.607	8.5	16.59	0	239	21	122	34.79	12.9	20	S
Surr: Tetrachloro-m-xylene	11.715		16.59		70.6	32	100		0		
Surr: Decachlorobiphenyl	10.571		16.59		63.7	26	104		0		

Sample ID: **N043035-028A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **11/16/2020** RunNo: **148786**
Client ID: **ZZZZZZ** Batch ID: **83038** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **11/17/2020** SeqNo: **4007101**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	91.639	20	16.59	20.53	429	33	104	74.88	20.1	20	SR
gamma-Chlordane	59.688	10	16.59	0	360	24	102	53.91	10.2	20	S

Sample ID: **N043035-028A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **11/16/2020** RunNo: **148786**
Client ID: **ZZZZZZ** Batch ID: **83038** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **11/18/2020** SeqNo: **4008590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDE	688.499	100	16.65	522.5	997	27	104				S
4,4´-DDT	236.934	100	16.65	200.5	219	16	103				S

Sample ID: **N043035-028A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **11/16/2020** RunNo: **148786**
Client ID: **ZZZZZZ** Batch ID: **83038** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **11/18/2020** SeqNo: **4008591**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDE	959.190	100	16.59	522.5	2630	27	104	688.5	32.9	20	SR

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N043035-028A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **11/16/2020** RunNo: **148786**
Client ID: **ZZZZZZ** Batch ID: **83038** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **11/18/2020** SeqNo: **4008591**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	329.711	100	16.59	200.5	779	16	103	236.9	32.7	20	SR

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: **R201117-LCS** SampType: **LCS** TestCode: **8260SOIL** Units: **µg/Kg** Prep Date: RunNo: **148788**
Client ID: **LCSS** Batch ID: **R20VS024** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	38.270	5.0	40.00	0	95.7	76	125				
1,1,1-Trichloroethane	44.370	5.0	40.00	0	111	76	124				
1,1,2,2-Tetrachloroethane	36.980	5.0	40.00	0	92.5	71	117				
1,1,2-Trichloroethane	37.170	5.0	40.00	0	92.9	71	119				
1,1-Dichloroethane	38.580	5.0	40.00	0	96.5	74	127				
1,1-Dichloroethene	39.760	5.0	40.00	0	99.4	72	123				
1,1-Dichloropropene	44.200	5.0	40.00	0	110	82	127				
1,2,3-Trichlorobenzene	41.020	5.0	40.00	0	103	76	123				
1,2,3-Trichloropropane	35.810	5.0	40.00	0	89.5	69	119				
1,2,4-Trichlorobenzene	39.550	5.0	40.00	0	98.9	76	122				
1,2,4-Trimethylbenzene	46.910	5.0	40.00	0	117	81	132				
1,2-Dibromo-3-chloropropane	32.220	10	40.00	0	80.6	64	130				
1,2-Dibromoethane	36.680	5.0	40.00	0	91.7	73	121				
1,2-Dichlorobenzene	38.680	5.0	40.00	0	96.7	84	114				
1,2-Dichloroethane	43.020	5.0	40.00	0	108	76	121				
1,2-Dichloropropane	36.910	5.0	40.00	0	92.3	76	116				
1,3,5-Trimethylbenzene	45.870	5.0	40.00	0	115	82	129				
1,3-Dichlorobenzene	39.280	5.0	40.00	0	98.2	85	114				
1,3-Dichloropropane	39.710	5.0	40.00	0	99.3	76	117				
1,4-Dichlorobenzene	39.380	5.0	40.00	0	98.4	85	113				
2,2-Dichloropropane	43.130	5.0	40.00	0	108	68	132				
2-Butanone	360.070	50	400.0	0	90.0	34	149				
2-Chlorotoluene	43.150	5.0	40.00	0	108	80	122				
4-Chlorotoluene	43.870	5.0	40.00	0	110	79	124				
4-Isopropyltoluene	44.240	5.0	40.00	0	111	80	133				
Benzene	39.950	5.0	40.00	0	99.9	82	119				
Bromobenzene	39.390	5.0	40.00	0	98.5	85	114				
Bromodichloromethane	41.140	5.0	40.00	0	103	76	120				
Bromoform	36.720	5.0	40.00	0	91.8	70	131				
Bromomethane	40.970	5.0	40.00	0	102	62	144				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: **R201117-LCS** SampType: **LCS** TestCode: **8260SOIL** Units: **µg/Kg** Prep Date: RunNo: **148788**
Client ID: **LCSS** Batch ID: **R20VS024** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	46.970	5.0	40.00	0	117	72	136				
Chlorobenzene	38.890	5.0	40.00	0	97.2	86	115				
Chloroethane	39.910	5.0	40.00	0	99.8	64	155				
Chloroform	39.650	5.0	40.00	0	99.1	76	121				
Chloromethane	37.720	5.0	40.00	0	94.3	56	142				
cis-1,2-Dichloroethene	35.200	5.0	40.00	0	88.0	76	119				
cis-1,3-Dichloropropene	37.040	5.0	40.00	0	92.6	73	120				
Dibromochloromethane	40.430	5.0	40.00	0	101	76	123				
Dibromomethane	37.250	5.0	40.00	0	93.1	77	119				
Dichlorodifluoromethane	49.600	5.0	40.00	0	124	51	152				
Ethylbenzene	42.140	5.0	40.00	0	105	83	119				
Freon-113	42.450	5.0	40.00	0	106	57	136				
Hexachlorobutadiene	38.480	5.0	40.00	0	96.2	77	122				
Isopropylbenzene	43.910	5.0	40.00	0	110	79	128				
m,p-Xylene	89.480	10	80.00	0	112	69	141				
Methylene chloride	38.800	5.0	40.00	0	97.0	70	124				
MTBE	37.780	5.0	40.00	0	94.4	69	124				
n-Butylbenzene	47.370	5.0	40.00	0	118	80	131				
n-Propylbenzene	43.980	5.0	40.00	0	110	81	127				
Naphthalene	32.370	5.0	40.00	0	80.9	65	127				
o-Xylene	41.600	5.0	40.00	0	104	77	123				
sec-Butylbenzene	45.430	5.0	40.00	0	114	81	130				
Styrene	41.410	5.0	40.00	0	104	83	124				
tert-Butylbenzene	44.820	5.0	40.00	0	112	83	125				
Tetrachloroethene	42.100	5.0	40.00	0	105	82	122				
Toluene	40.470	5.0	40.00	0	101	82	119				
trans-1,2-Dichloroethene	37.340	5.0	40.00	0	93.4	71	125				
Trichloroethene	38.980	5.0	40.00	0	97.5	76	121				
Trichlorofluoromethane	55.310	5.0	40.00	0	138	66	163				
Vinyl chloride	47.320	5.0	40.00	0	118	65	141				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: **R201117-LCS**	SampType: **LCS**	TestCode: **8260SOIL**	Units: **µg/Kg**	Prep Date:	RunNo: **148788**
Client ID: **LCSS**	Batch ID: **R20VS024**	TestNo: **EPA 8260B**		Analysis Date: **11/17/2020**	SeqNo: **4007036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	53.840		50.00		108	64	165				
Surr: 4-Bromofluorobenzene	53.770		50.00		108	69	124				
Surr: Dibromofluoromethane	50.720		50.00		101	72	142				
Surr: Toluene-d8	52.330		50.00		105	75	124				

Sample ID: **R201117-MB2**	SampType: **MBLK**	TestCode: **8260SOIL**	Units: **µg/Kg**	Prep Date:	RunNo: **148788**
Client ID: **PBS**	Batch ID: **R20VS024**	TestNo: **EPA 8260B**		Analysis Date: **11/17/2020**	SeqNo: **4007037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: **R201117-MB2** SampType: **MBLK** TestCode: **8260SOIL** Units: **µg/Kg** Prep Date: RunNo: **148788**
Client ID: **PBS** Batch ID: **R20VS024** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	ND	50									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Freon-113	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: **R201117-MB2** SampType: **MBLK** TestCode: **8260SOIL** Units: **µg/Kg** Prep Date: RunNo: **148788**
Client ID: **PBS** Batch ID: **R20VS024** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	61.810		50.00		124	64	165				
Surr: 4-Bromofluorobenzene	48.430		50.00		96.9	69	124				
Surr: Dibromofluoromethane	55.530		50.00		111	72	142				
Surr: Toluene-d8	52.470		50.00		105	75	124				

Sample ID: **N043035-002B-MS** SampType: **MS** TestCode: **8260SOIL** Units: **µg/Kg** Prep Date: RunNo: **148788**
Client ID: **ZZZZZZ** Batch ID: **R20VS024** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	40.000	5.0	40.00	0	100	62	139				
1,1,1-Trichloroethane	45.650	5.0	40.00	0	114	56	154				
1,1,2,2-Tetrachloroethane	39.550	5.0	40.00	0	98.9	42	175				
1,1,2-Trichloroethane	36.060	5.0	40.00	0	90.2	55	166				
1,1-Dichloroethane	38.490	5.0	40.00	0	96.2	46	163				
1,1-Dichloroethene	40.530	5.0	40.00	0	101	49	157				
1,1-Dichloropropene	46.500	5.0	40.00	0	116	59	155				
1,2,3-Trichlorobenzene	38.460	5.0	40.00	1.830	91.6	38	154				
1,2,3-Trichloropropane	45.210	5.0	40.00	0	113	49	174				
1,2,4-Trichlorobenzene	38.690	5.0	40.00	0	96.7	38	146				
1,2,4-Trimethylbenzene	51.520	5.0	40.00	0	129	41	157				
1,2-Dibromo-3-chloropropane	36.950	10	40.00	0	92.4	48	185				

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: **N043035-002B-MS** SampType: **MS** TestCode: **8260SOIL** Units: **µg/Kg** Prep Date: RunNo: **148788**
Client ID: **ZZZZZZ** Batch ID: **R20VS024** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	38.010	5.0	40.00	0	95.0	54	169				
1,2-Dichlorobenzene	40.890	5.0	40.00	0	102	59	136				
1,2-Dichloroethane	42.430	5.0	40.00	0	106	54	164				
1,2-Dichloropropane	37.530	5.0	40.00	0	93.8	60	142				
1,3,5-Trimethylbenzene	50.150	5.0	40.00	0	125	44	151				
1,3-Dichlorobenzene	41.990	5.0	40.00	0	105	57	133				
1,3-Dichloropropane	40.230	5.0	40.00	0	101	63	152				
1,4-Dichlorobenzene	42.180	5.0	40.00	0	105	57	133				
2,2-Dichloropropane	45.240	5.0	40.00	0	113	50	156				
2-Butanone	371.290	50	400.0	0	92.8	37	192				
2-Chlorotoluene	47.220	5.0	40.00	0	118	52	140				
4-Chlorotoluene	46.940	5.0	40.00	0	117	57	135				
4-Isopropyltoluene	48.920	5.0	40.00	0	122	46	152				
Benzene	41.790	5.0	40.00	0	104	59	147				
Bromobenzene	40.550	5.0	40.00	0	101	66	131				
Bromodichloromethane	40.510	5.0	40.00	0	101	54	152				
Bromoform	36.630	5.0	40.00	0	91.6	50	176				
Bromomethane	40.420	5.0	40.00	1.030	98.5	40	178				
Carbon tetrachloride	49.800	5.0	40.00	0	125	55	159				
Chlorobenzene	40.340	5.0	40.00	0	101	62	137				
Chloroethane	40.280	5.0	40.00	0	101	41	173				
Chloroform	38.220	5.0	40.00	0	95.6	50	157				
Chloromethane	42.180	5.0	40.00	0	105	41	165				
cis-1,2-Dichloroethene	34.040	5.0	40.00	0	85.1	48	158				
cis-1,3-Dichloropropene	36.780	5.0	40.00	0	92.0	59	146				
Dibromochloromethane	41.310	5.0	40.00	0	103	62	151				
Dibromomethane	36.230	5.0	40.00	0	90.6	52	170				
Dichlorodifluoromethane	50.870	5.0	40.00	0	127	36	175				
Ethylbenzene	45.040	5.0	40.00	0	113	55	141				
Freon-113	43.640	5.0	40.00	0	109	44	161				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: **N043035-002B-MS** SampType: **MS** TestCode: **8260SOIL** Units: **µg/Kg** Prep Date: RunNo: **148788**
Client ID: **ZZZZZZ** Batch ID: **R20VS024** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	39.980	5.0	40.00	0	100	34	142				
Isopropylbenzene	49.530	5.0	40.00	0	124	54	143				
m,p-Xylene	94.930	10	80.00	0	119	51	150				
Methylene chloride	39.460	5.0	40.00	0	98.6	49	159				
MTBE	35.040	5.0	40.00	0	87.6	43	179				
n-Butylbenzene	51.030	5.0	40.00	0	128	42	152				
n-Propylbenzene	49.240	5.0	40.00	0	123	54	140				
Naphthalene	30.880	5.0	40.00	0	77.2	37	172				
o-Xylene	43.580	5.0	40.00	0	109	49	146				
sec-Butylbenzene	50.520	5.0	40.00	0	126	51	145				
Styrene	43.520	5.0	40.00	0	109	57	145				
tert-Butylbenzene	49.610	5.0	40.00	0	124	55	140				
Tetrachloroethene	45.230	5.0	40.00	0	113	59	142				
Toluene	42.210	5.0	40.00	0.9000	103	54	148				
trans-1,2-Dichloroethene	38.120	5.0	40.00	0	95.3	46	157				
Trichloroethene	40.860	5.0	40.00	0	102	52	161				
Trichlorofluoromethane	57.690	5.0	40.00	0	144	43	181				
Vinyl chloride	48.710	5.0	40.00	0	122	52	160				
Surr: 1,2-Dichloroethane-d4	50.070		50.00		100	64	165				
Surr: 4-Bromofluorobenzene	51.860		50.00		104	69	124				
Surr: Dibromofluoromethane	46.560		50.00		93.1	72	142				
Surr: Toluene-d8	49.420		50.00		98.8	75	124				

Sample ID: **N043035-002B-MSD** SampType: **MSD** TestCode: **8260SOIL** Units: **µg/Kg** Prep Date: RunNo: **148788**
Client ID: **ZZZZZZ** Batch ID: **R20VS024** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	42.180	5.0	40.00	0	105	62	139	40.00	5.31	20	
1,1,1-Trichloroethane	48.800	5.0	40.00	0	122	56	154	45.65	6.67	20	
1,1,2,2-Tetrachloroethane	44.150	5.0	40.00	0	110	42	175	39.55	11.0	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: **N043035-002B-MSD** SampType: **MSD** TestCode: **8260SOIL** Units: **µg/Kg** Prep Date: RunNo: **148788**
Client ID: **ZZZZZZ** Batch ID: **R20VS024** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	41.030	5.0	40.00	0	103	55	166	36.06	12.9	20	
1,1-Dichloroethane	42.170	5.0	40.00	0	105	46	163	38.49	9.12	20	
1,1-Dichloroethene	42.690	5.0	40.00	0	107	49	157	40.53	5.19	20	
1,1-Dichloropropene	47.520	5.0	40.00	0	119	59	155	46.50	2.17	20	
1,2,3-Trichlorobenzene	42.050	5.0	40.00	1.830	101	38	154	38.46	8.92	20	
1,2,3-Trichloropropane	48.790	5.0	40.00	0	122	49	174	45.21	7.62	20	
1,2,4-Trichlorobenzene	40.160	5.0	40.00	0	100	38	146	38.69	3.73	20	
1,2,4-Trimethylbenzene	51.050	5.0	40.00	0	128	41	157	51.52	0.916	20	
1,2-Dibromo-3-chloropropane	41.570	10	40.00	0	104	48	185	36.95	11.8	20	
1,2-Dibromoethane	42.250	5.0	40.00	0	106	54	169	38.01	10.6	20	
1,2-Dichlorobenzene	41.020	5.0	40.00	0	103	59	136	40.89	0.317	20	
1,2-Dichloroethane	47.460	5.0	40.00	0	119	54	164	42.43	11.2	20	
1,2-Dichloropropane	39.730	5.0	40.00	0	99.3	60	142	37.53	5.70	20	
1,3,5-Trimethylbenzene	49.370	5.0	40.00	0	123	44	151	50.15	1.57	20	
1,3-Dichlorobenzene	42.040	5.0	40.00	0	105	57	133	41.99	0.119	20	
1,3-Dichloropropane	44.120	5.0	40.00	0	110	63	152	40.23	9.22	20	
1,4-Dichlorobenzene	41.660	5.0	40.00	0	104	57	133	42.18	1.24	20	
2,2-Dichloropropane	47.400	5.0	40.00	0	118	50	156	45.24	4.66	20	
2-Butanone	435.440	50	400.0	0	109	37	192	371.3	15.9	20	
2-Chlorotoluene	46.660	5.0	40.00	0	117	52	140	47.22	1.19	20	
4-Chlorotoluene	46.670	5.0	40.00	0	117	57	135	46.94	0.577	20	
4-Isopropyltoluene	47.900	5.0	40.00	0	120	46	152	48.92	2.11	20	
Benzene	43.730	5.0	40.00	0	109	59	147	41.79	4.54	20	
Bromobenzene	41.390	5.0	40.00	0	103	66	131	40.55	2.05	20	
Bromodichloromethane	43.560	5.0	40.00	0	109	54	152	40.51	7.26	20	
Bromoform	40.020	5.0	40.00	0	100	50	176	36.63	8.85	20	
Bromomethane	45.690	5.0	40.00	1.030	112	40	178	40.42	12.2	20	
Carbon tetrachloride	51.370	5.0	40.00	0	128	55	159	49.80	3.10	20	
Chlorobenzene	41.370	5.0	40.00	0	103	62	137	40.34	2.52	20	
Chloroethane	44.210	5.0	40.00	0	111	41	173	40.28	9.30	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: **N043035-002B-MSD** SampType: **MSD** TestCode: **8260SOIL** Units: **µg/Kg** Prep Date: RunNo: **148788**
Client ID: **ZZZZZZ** Batch ID: **R20VS024** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	41.480	5.0	40.00	0	104	50	157	38.22	8.18	20	
Chloromethane	45.580	5.0	40.00	0	114	41	165	42.18	7.75	20	
cis-1,2-Dichloroethene	36.960	5.0	40.00	0	92.4	48	158	34.04	8.23	20	
cis-1,3-Dichloropropene	39.950	5.0	40.00	0	99.9	59	146	36.78	8.26	20	
Dibromochloromethane	45.210	5.0	40.00	0	113	62	151	41.31	9.02	20	
Dibromomethane	40.840	5.0	40.00	0	102	52	170	36.23	12.0	20	
Dichlorodifluoromethane	54.270	5.0	40.00	0	136	36	175	50.87	6.47	20	
Ethylbenzene	45.700	5.0	40.00	0	114	55	141	45.04	1.45	20	
Freon-113	46.170	5.0	40.00	0	115	44	161	43.64	5.63	20	
Hexachlorobutadiene	36.870	5.0	40.00	0	92.2	34	142	39.98	8.09	20	
Isopropylbenzene	48.450	5.0	40.00	0	121	54	143	49.53	2.20	20	
m,p-Xylene	95.320	10	80.00	0	119	51	150	94.93	0.410	20	
Methylene chloride	42.310	5.0	40.00	0	106	49	159	39.46	6.97	20	
MTBE	42.840	5.0	40.00	0	107	43	179	35.04	20.0	20	R
n-Butylbenzene	48.790	5.0	40.00	0	122	42	152	51.03	4.49	20	
n-Propylbenzene	48.000	5.0	40.00	0	120	54	140	49.24	2.55	20	
Naphthalene	34.470	5.0	40.00	0	86.2	37	172	30.88	11.0	20	
o-Xylene	45.180	5.0	40.00	0	113	49	146	43.58	3.61	20	
sec-Butylbenzene	48.240	5.0	40.00	0	121	51	145	50.52	4.62	20	
Styrene	43.550	5.0	40.00	0	109	57	145	43.52	0.0689	20	
tert-Butylbenzene	49.340	5.0	40.00	0	123	55	140	49.61	0.546	20	
Tetrachloroethene	45.400	5.0	40.00	0	114	59	142	45.23	0.375	20	
Toluene	44.170	5.0	40.00	0.9000	108	54	148	42.21	4.54	20	
trans-1,2-Dichloroethene	39.040	5.0	40.00	0	97.6	46	157	38.12	2.38	20	
Trichloroethene	42.110	5.0	40.00	0	105	52	161	40.86	3.01	20	
Trichlorofluoromethane	60.370	5.0	40.00	0	151	43	181	57.69	4.54	20	
Vinyl chloride	51.610	5.0	40.00	0	129	52	160	48.71	5.78	20	
Surr: 1,2-Dichloroethane-d4	57.690		50.00		115	64	165		0		
Surr: 4-Bromofluorobenzene	53.990		50.00		108	69	124		0		
Surr: Dibromofluoromethane	52.640		50.00		105	72	142		0		

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: **N043035-002B-MSD** SampType: **MSD** TestCode: **8260SOIL** Units: **µg/Kg** Prep Date: RunNo: **148788**
Client ID: **ZZZZZZ** Batch ID: **R20VS024** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	53.060		50.00		106	75	124		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **P201117LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148781**
Client ID: **LCSW** Batch ID: **P20VW119** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4006790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	21.890	0.50	20.00	0	109	77	123				
1,1,1-Trichloroethane	20.760	0.50	20.00	0	104	77	124				
1,1,2,2-Tetrachloroethane	17.860	0.50	20.00	0	89.3	73	120				
1,1,2-Trichloroethane	18.400	0.50	20.00	0	92.0	74	120				
1,1-Dichloroethane	18.200	0.50	20.00	0	91.0	74	125				
1,1-Dichloroethene	20.570	0.50	20.00	0	103	70	131				
1,1-Dichloropropene	20.830	0.50	20.00	0	104	80	128				
1,2,3-Trichlorobenzene	20.900	0.50	20.00	0	104	78	122				
1,2,3-Trichloropropane	18.760	0.50	20.00	0	93.8	70	120				
1,2,4-Trichlorobenzene	21.310	0.50	20.00	0	107	77	121				
1,2,4-Trimethylbenzene	22.080	0.50	20.00	0	110	80	130				
1,2-Dibromo-3-chloropropane	19.010	1.0	20.00	0	95.1	66	131				
1,2-Dibromoethane	18.780	0.50	20.00	0	93.9	74	121				
1,2-Dichlorobenzene	20.730	0.50	20.00	0	104	80	120				
1,2-Dichloroethane	20.140	1.0	20.00	0	101	77	120				
1,2-Dichloropropane	19.690	0.50	20.00	0	98.4	80	120				
1,3,5-Trimethylbenzene	21.800	0.50	20.00	0	109	80	127				
1,3-Dichlorobenzene	21.080	0.50	20.00	0	105	80	120				
1,3-Dichloropropane	18.820	0.50	20.00	0	94.1	78	120				
1,4-Dichlorobenzene	20.370	0.50	20.00	0	102	80	120				
2,2-Dichloropropane	20.560	0.50	20.00	0	103	69	134				
2-Chlorotoluene	20.740	0.50	20.00	0	104	80	120				
4-Chlorotoluene	21.150	0.50	20.00	0	106	80	120				
4-Isopropyltoluene	22.440	0.50	20.00	0	112	80	129				
Benzene	19.900	0.50	20.00	0	99.5	80	120				
Bromobenzene	20.360	0.50	20.00	0	102	80	120				
Bromodichloromethane	20.280	0.50	20.00	0	101	79	120				
Bromoform	20.750	0.50	20.00	0	104	68	131				
Bromomethane	19.630	1.0	20.00	0	98.2	37	169				
Carbon tetrachloride	22.620	0.50	20.00	0	113	72	136				

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **P201117LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148781**
Client ID: **LCSW** Batch ID: **P20VW119** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4006790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	20.120	0.50	20.00	0	101	85	120				
Chloroethane	19.800	1.0	20.00	0	99.0	61	155				
Chloroform	18.790	0.50	20.00	0	94.0	77	124				
Chloromethane	17.310	0.50	20.00	0	86.6	52	147				
cis-1,2-Dichloroethene	18.490	0.50	20.00	0	92.5	77	120				
cis-1,3-Dichloropropene	19.290	0.50	20.00	0	96.5	73	123				
Dibromochloromethane	19.610	0.50	20.00	0	98.0	75	124				
Dibromomethane	19.070	0.50	20.00	0	95.4	80	120				
Dichlorodifluoromethane	21.160	0.50	20.00	0	106	55	150				
Ethylbenzene	20.430	0.50	20.00	0	102	80	120				
Freon-113	20.070	0.50	20.00	0	100	59	139				
Hexachlorobutadiene	22.020	0.50	20.00	0	110	80	120				
Isopropylbenzene	21.840	0.50	20.00	0	109	80	126				
m,p-Xylene	42.770	1.0	40.00	0	107	80	125				
Methylene chloride	19.460	2.0	20.00	0	97.3	69	129				
MTBE	17.770	0.50	20.00	0	88.8	64	131				
n-Butylbenzene	21.610	0.50	20.00	0	108	80	127				
n-Propylbenzene	21.260	0.50	20.00	0	106	80	122				
Naphthalene	17.480	0.50	20.00	0	87.4	68	127				
o-Xylene	21.060	0.50	20.00	0	105	80	123				
sec-Butylbenzene	22.430	0.50	20.00	0	112	80	127				
Styrene	21.990	0.50	20.00	0	110	80	125				
tert-Butylbenzene	22.220	0.50	20.00	0	111	80	124				
Tetrachloroethene	22.870	0.50	20.00	0	114	80	123				
Toluene	20.510	0.50	20.00	0	103	80	120				
trans-1,2-Dichloroethene	22.320	1.0	20.00	0	112	70	132				
Trichloroethene	21.330	0.50	20.00	0	107	80	120				
Trichlorofluoromethane	21.150	0.50	20.00	0	106	67	151				
Vinyl chloride	19.270	0.50	20.00	0	96.4	69	137				
Surr: 1,2-Dichloroethane-d4	22.950		25.00		91.8	72	132				

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **P201117LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148781**
Client ID: **LCSW** Batch ID: **P20VW119** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4006790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	24.750		25.00		99.0	80	120				
Surr: Dibromofluoromethane	24.090		25.00		96.4	78	130				
Surr: Toluene-d8	25.030		25.00		100	80	120				

Sample ID: **P201117MB3** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148781**
Client ID: **PBW** Batch ID: **P20VW119** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4006793**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	1.0									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	1.0									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **P201117MB3** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148781**
Client ID: **PBW** Batch ID: **P20VW119** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4006793**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	1.0									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	1.0									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Freon-113	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	2.0									
MTBE	ND	0.50									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **P201117MB3** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148781**
Client ID: **PBW** Batch ID: **P20VW119** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4006793**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	1.0									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	25.220		25.00		101	72	132				
Surr: 4-Bromofluorobenzene	23.640		25.00		94.6	80	120				
Surr: Dibromofluoromethane	27.080		25.00		108	78	130				
Surr: Toluene-d8	26.040		25.00		104	80	120				

Sample ID: **N043035-030AMS** SampType: **MS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148781**
Client ID: **ZZZZZZ** Batch ID: **P20VW119** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4006799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	20.230	0.50	20.00	0	101	80	120				
1,1,1-Trichloroethane	20.590	0.50	20.00	0	103	76	129				
1,1,2,2-Tetrachloroethane	17.200	0.50	20.00	0	86.0	72	125				
1,1,2-Trichloroethane	17.900	0.50	20.00	0	89.5	70	126				
1,1-Dichloroethane	17.590	0.50	20.00	0	88.0	73	128				
1,1-Dichloroethene	19.600	0.50	20.00	0	98.0	68	137				
1,1-Dichloropropene	20.390	0.50	20.00	0	102	80	130				
1,2,3-Trichlorobenzene	19.070	0.50	20.00	0	95.4	78	123				
1,2,3-Trichloropropane	17.160	0.50	20.00	0	85.8	70	124				
1,2,4-Trichlorobenzene	20.070	0.50	20.00	0	100	78	120				
1,2,4-Trimethylbenzene	21.270	0.50	20.00	0	106	79	135				
1,2-Dibromo-3-chloropropane	20.050	1.0	20.00	0	100	64	136				
1,2-Dibromoethane	18.240	0.50	20.00	0	91.2	71	126				
1,2-Dichlorobenzene	19.990	0.50	20.00	0	100	80	120				

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **N043035-030AMS** SampType: **MS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148781**
Client ID: **ZZZZZZ** Batch ID: **P20VW119** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4006799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	19.650	1.0	20.00	0	98.2	74	125				
1,2-Dichloropropane	18.740	0.50	20.00	0	93.7	76	120				
1,3,5-Trimethylbenzene	20.810	0.50	20.00	0	104	73	138				
1,3-Dichlorobenzene	19.910	0.50	20.00	0	99.6	80	120				
1,3-Dichloropropane	18.160	0.50	20.00	0	90.8	76	122				
1,4-Dichlorobenzene	19.700	0.50	20.00	0	98.5	80	120				
2,2-Dichloropropane	21.040	0.50	20.00	0	105	65	139				
2-Chlorotoluene	20.360	0.50	20.00	0	102	80	124				
4-Chlorotoluene	19.890	0.50	20.00	0	99.4	80	124				
4-Isopropyltoluene	21.230	0.50	20.00	0	106	79	135				
Benzene	19.710	0.50	20.00	0	98.6	80	121				
Bromobenzene	19.510	0.50	20.00	0	97.6	80	120				
Bromodichloromethane	19.550	0.50	20.00	0	97.8	78	121				
Bromoform	19.400	0.50	20.00	0	97.0	71	127				
Bromomethane	19.790	1.0	20.00	0	99.0	52	163				
Carbon tetrachloride	23.300	0.50	20.00	0	116	76	136				
Chlorobenzene	19.490	0.50	20.00	0	97.5	80	120				
Chloroethane	18.790	1.0	20.00	0	94.0	61	159				
Chloroform	18.490	0.50	20.00	0	92.5	61	140				
Chloromethane	16.420	0.50	20.00	0	82.1	45	155				
cis-1,2-Dichloroethene	18.580	0.50	20.00	0	92.9	72	124				
cis-1,3-Dichloropropene	18.580	0.50	20.00	0	92.9	71	126				
Dibromochloromethane	20.220	0.50	20.00	0	101	78	121				
Dibromomethane	18.460	0.50	20.00	0	92.3	76	123				
Dichlorodifluoromethane	20.000	0.50	20.00	0	100	53	159				
Ethylbenzene	20.240	0.50	20.00	0	101	83	121				
Freon-113	20.070	0.50	20.00	0	100	62	144				
Hexachlorobutadiene	21.760	0.50	20.00	0	109	77	124				
Isopropylbenzene	20.740	0.50	20.00	0	104	80	132				
m,p-Xylene	42.290	1.0	40.00	0	106	80	130				

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **N043035-030AMS** SampType: **MS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148781**
Client ID: **ZZZZZZ** Batch ID: **P20VW119** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4006799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	20.140	2.0	20.00	1.270	94.4	63	135				
MTBE	17.160	0.50	20.00	0	85.8	61	132				
n-Butylbenzene	20.370	0.50	20.00	0	102	74	138				
n-Propylbenzene	20.230	0.50	20.00	0	101	80	128				
Naphthalene	15.700	0.50	20.00	0	78.5	61	136				
o-Xylene	20.510	0.50	20.00	0	103	76	128				
sec-Butylbenzene	21.300	0.50	20.00	0	106	80	133				
Styrene	21.050	0.50	20.00	0	105	65	134				
tert-Butylbenzene	20.880	0.50	20.00	0	104	80	130				
Tetrachloroethene	22.120	0.50	20.00	0	111	74	135				
Toluene	20.070	0.50	20.00	0	100	80	121				
trans-1,2-Dichloroethene	21.570	1.0	20.00	0	108	67	135				
Trichloroethene	21.120	0.50	20.00	0	106	73	132				
Trichlorofluoromethane	20.850	0.50	20.00	0	104	62	167				
Vinyl chloride	17.650	0.50	20.00	0	88.2	53	158				
Surr: 1,2-Dichloroethane-d4	23.500		25.00		94.0	72	132				
Surr: 4-Bromofluorobenzene	25.470		25.00		102	80	120				
Surr: Dibromofluoromethane	24.430		25.00		97.7	78	130				
Surr: Toluene-d8	25.570		25.00		102	80	120				

Sample ID: **N043035-030AMSD** SampType: **MSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148781**
Client ID: **ZZZZZZ** Batch ID: **P20VW119** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4006800**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	20.610	0.50	20.00	0	103	80	120	20.23	1.86	20	
1,1,1-Trichloroethane	19.760	0.50	20.00	0	98.8	76	129	20.59	4.11	20	
1,1,2,2-Tetrachloroethane	16.860	0.50	20.00	0	84.3	72	125	17.20	2.00	20	
1,1,2-Trichloroethane	17.630	0.50	20.00	0	88.2	70	126	17.90	1.52	20	
1,1-Dichloroethane	17.590	0.50	20.00	0	88.0	73	128	17.59	0	20	
1,1-Dichloroethene	18.700	0.50	20.00	0	93.5	68	137	19.60	4.70	20	

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **N043035-030AMSD** SampType: **MSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148781**
Client ID: **ZZZZZZ** Batch ID: **P20VW119** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4006800**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	20.050	0.50	20.00	0	100	80	130	20.39	1.68	20	
1,2,3-Trichlorobenzene	19.410	0.50	20.00	0	97.0	78	123	19.07	1.77	20	
1,2,3-Trichloropropane	16.920	0.50	20.00	0	84.6	70	124	17.16	1.41	20	
1,2,4-Trichlorobenzene	20.110	0.50	20.00	0	101	78	120	20.07	0.199	20	
1,2,4-Trimethylbenzene	21.180	0.50	20.00	0	106	79	135	21.27	0.424	20	
1,2-Dibromo-3-chloropropane	20.500	1.0	20.00	0	103	64	136	20.05	2.22	20	
1,2-Dibromoethane	19.490	0.50	20.00	0	97.5	71	126	18.24	6.63	20	
1,2-Dichlorobenzene	20.430	0.50	20.00	0	102	80	120	19.99	2.18	20	
1,2-Dichloroethane	19.250	1.0	20.00	0	96.2	74	125	19.65	2.06	20	
1,2-Dichloropropane	18.170	0.50	20.00	0	90.9	76	120	18.74	3.09	20	
1,3,5-Trimethylbenzene	20.860	0.50	20.00	0	104	73	138	20.81	0.240	20	
1,3-Dichlorobenzene	20.510	0.50	20.00	0	103	80	120	19.91	2.97	20	
1,3-Dichloropropane	18.980	0.50	20.00	0	94.9	76	122	18.16	4.42	20	
1,4-Dichlorobenzene	19.310	0.50	20.00	0	96.6	80	120	19.70	2.00	20	
2,2-Dichloropropane	19.600	0.50	20.00	0	98.0	65	139	21.04	7.09	20	
2-Chlorotoluene	19.760	0.50	20.00	0	98.8	80	124	20.36	2.99	20	
4-Chlorotoluene	19.370	0.50	20.00	0	96.9	80	124	19.89	2.65	20	
4-Isopropyltoluene	21.120	0.50	20.00	0	106	79	135	21.23	0.519	20	
Benzene	19.010	0.50	20.00	0	95.1	80	121	19.71	3.62	20	
Bromobenzene	19.330	0.50	20.00	0	96.7	80	120	19.51	0.927	20	
Bromodichloromethane	19.790	0.50	20.00	0	99.0	78	121	19.55	1.22	20	
Bromoform	20.840	0.50	20.00	0	104	71	127	19.40	7.16	20	
Bromomethane	18.250	1.0	20.00	0	91.2	52	163	19.79	8.10	20	
Carbon tetrachloride	22.160	0.50	20.00	0	111	76	136	23.30	5.02	20	
Chlorobenzene	19.220	0.50	20.00	0	96.1	80	120	19.49	1.39	20	
Chloroethane	18.620	1.0	20.00	0	93.1	61	159	18.79	0.909	20	
Chloroform	17.920	0.50	20.00	0	89.6	61	140	18.49	3.13	20	
Chloromethane	15.910	0.50	20.00	0	79.6	45	155	16.42	3.15	20	
cis-1,2-Dichloroethene	17.590	0.50	20.00	0	88.0	72	124	18.58	5.47	20	
cis-1,3-Dichloropropene	18.610	0.50	20.00	0	93.0	71	126	18.58	0.161	20	

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **N043035-030AMSD** SampType: **MSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148781**
Client ID: **ZZZZZZ** Batch ID: **P20VW119** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4006800**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	20.420	0.50	20.00	0	102	78	121	20.22	0.984	20	
Dibromomethane	18.610	0.50	20.00	0	93.0	76	123	18.46	0.809	20	
Dichlorodifluoromethane	18.980	0.50	20.00	0	94.9	53	159	20.00	5.23	20	
Ethylbenzene	19.970	0.50	20.00	0	99.8	83	121	20.24	1.34	20	
Freon-113	19.770	0.50	20.00	0	98.8	62	144	20.07	1.51	20	
Hexachlorobutadiene	20.970	0.50	20.00	0	105	77	124	21.76	3.70	20	
Isopropylbenzene	20.520	0.50	20.00	0	103	80	132	20.74	1.07	20	
m,p-Xylene	40.850	1.0	40.00	0	102	80	130	42.29	3.46	20	
Methylene chloride	19.880	2.0	20.00	1.270	93.0	63	135	20.14	1.30	20	
MTBE	17.240	0.50	20.00	0	86.2	61	132	17.16	0.465	20	
n-Butylbenzene	20.250	0.50	20.00	0	101	74	138	20.37	0.591	20	
n-Propylbenzene	19.890	0.50	20.00	0	99.4	80	128	20.23	1.69	20	
Naphthalene	17.380	0.50	20.00	0	86.9	61	136	15.70	10.2	20	
o-Xylene	20.610	0.50	20.00	0	103	76	128	20.51	0.486	20	
sec-Butylbenzene	21.020	0.50	20.00	0	105	80	133	21.30	1.32	20	
Styrene	20.960	0.50	20.00	0	105	65	134	21.05	0.428	20	
tert-Butylbenzene	21.160	0.50	20.00	0	106	80	130	20.88	1.33	20	
Tetrachloroethene	22.440	0.50	20.00	0	112	74	135	22.12	1.44	20	
Toluene	19.740	0.50	20.00	0	98.7	80	121	20.07	1.66	20	
trans-1,2-Dichloroethene	20.550	1.0	20.00	0	103	67	135	21.57	4.84	20	
Trichloroethene	20.450	0.50	20.00	0	102	73	132	21.12	3.22	20	
Trichlorofluoromethane	20.900	0.50	20.00	0	104	62	167	20.85	0.240	20	
Vinyl chloride	17.650	0.50	20.00	0	88.2	53	158	17.65	0	20	
Surr: 1,2-Dichloroethane-d4	23.260		25.00		93.0	72	132		0		
Surr: 4-Bromofluorobenzene	24.920		25.00		99.7	80	120		0		
Surr: Dibromofluoromethane	24.250		25.00		97.0	78	130		0		
Surr: Toluene-d8	24.630		25.00		98.5	80	120		0		

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **P201117LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148789**
Client ID: **LCSW** Batch ID: **P20VW120** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	19.760	0.50	20.00	0	98.8	77	123				
1,1,1-Trichloroethane	20.180	0.50	20.00	0	101	77	124				
1,1,2,2-Tetrachloroethane	15.900	0.50	20.00	0	79.5	73	120				
1,1,2-Trichloroethane	17.400	0.50	20.00	0	87.0	74	120				
1,1-Dichloroethane	18.320	0.50	20.00	0	91.6	74	125				
1,1-Dichloroethene	18.750	0.50	20.00	0	93.8	70	131				
1,1-Dichloropropene	19.730	0.50	20.00	0	98.6	80	128				
1,2,3-Trichlorobenzene	18.970	0.50	20.00	0	94.8	78	122				
1,2,3-Trichloropropane	16.850	0.50	20.00	0	84.2	70	120				
1,2,4-Trichlorobenzene	19.820	0.50	20.00	0	99.1	77	121				
1,2,4-Trimethylbenzene	21.100	0.50	20.00	0	106	80	130				
1,2-Dibromo-3-chloropropane	17.620	1.0	20.00	0	88.1	66	131				
1,2-Dibromoethane	18.470	0.50	20.00	0	92.4	74	121				
1,2-Dichlorobenzene	20.400	0.50	20.00	0	102	80	120				
1,2-Dichloroethane	18.910	1.0	20.00	0	94.6	77	120				
1,2-Dichloropropane	18.820	0.50	20.00	0	94.1	80	120				
1,3,5-Trimethylbenzene	21.040	0.50	20.00	0	105	80	127				
1,3-Dichlorobenzene	20.790	0.50	20.00	0	104	80	120				
1,3-Dichloropropane	17.740	0.50	20.00	0	88.7	78	120				
1,4-Dichlorobenzene	19.750	0.50	20.00	0	98.8	80	120				
2,2-Dichloropropane	20.770	0.50	20.00	0	104	69	134				
2-Butanone	112.680	5.0	200.0	0	56.3	44	141				
2-Chlorotoluene	19.800	0.50	20.00	0	99.0	80	120				
4-Chlorotoluene	19.790	0.50	20.00	0	99.0	80	120				
4-Isopropyltoluene	21.320	0.50	20.00	0	107	80	129				
Benzene	19.530	0.50	20.00	0	97.6	80	120				
Bromobenzene	19.700	0.50	20.00	0	98.5	80	120				
Bromodichloromethane	19.820	0.50	20.00	0	99.1	79	120				
Bromoform	19.640	0.50	20.00	0	98.2	68	131				
Bromomethane	18.470	1.0	20.00	0	92.4	37	169				

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **P201117LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148789**
Client ID: **LCSW** Batch ID: **P20VW120** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	22.130	0.50	20.00	0	111	72	136				
Chlorobenzene	19.170	0.50	20.00	0	95.9	85	120				
Chloroethane	18.940	1.0	20.00	0	94.7	61	155				
Chloroform	18.330	0.50	20.00	0	91.7	77	124				
Chloromethane	16.660	0.50	20.00	0	83.3	52	147				
cis-1,2-Dichloroethene	17.670	0.50	20.00	0	88.4	77	120				
cis-1,3-Dichloropropene	18.950	0.50	20.00	0	94.8	73	123				
Dibromochloromethane	19.310	0.50	20.00	0	96.6	75	124				
Dibromomethane	18.470	0.50	20.00	0	92.4	80	120				
Dichlorodifluoromethane	20.360	0.50	20.00	0	102	55	150				
Ethylbenzene	20.050	0.50	20.00	0	100	80	120				
Freon-113	19.930	0.50	20.00	0	99.7	59	139				
Hexachlorobutadiene	21.360	0.50	20.00	0	107	80	120				
Isopropylbenzene	20.760	0.50	20.00	0	104	80	126				
m,p-Xylene	40.970	1.0	40.00	0	102	80	125				
Methylene chloride	20.290	2.0	20.00	0	101	69	129				
MTBE	17.230	0.50	20.00	0	86.2	64	131				
n-Butylbenzene	21.190	0.50	20.00	0	106	80	127				
n-Propylbenzene	20.270	0.50	20.00	0	101	80	122				
Naphthalene	16.620	0.50	20.00	0	83.1	68	127				
o-Xylene	20.180	0.50	20.00	0	101	80	123				
sec-Butylbenzene	21.020	0.50	20.00	0	105	80	127				
Styrene	20.520	0.50	20.00	0	103	80	125				
tert-Butylbenzene	21.500	0.50	20.00	0	108	80	124				
Tetrachloroethene	21.870	0.50	20.00	0	109	80	123				
Toluene	20.410	0.50	20.00	0	102	80	120				
trans-1,2-Dichloroethene	21.250	0.50	20.00	0	106	70	132				
Trichloroethene	20.380	0.50	20.00	0	102	80	120				
Trichlorofluoromethane	20.420	0.50	20.00	0	102	67	151				
Vinyl chloride	18.960	0.50	20.00	0	94.8	69	137				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **P201117LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148789**
Client ID: **LCSW** Batch ID: **P20VW120** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	23.540		25.00		94.2	72	132				
Surr: 4-Bromofluorobenzene	24.590		25.00		98.4	80	120				
Surr: Dibromofluoromethane	24.370		25.00		97.5	78	130				
Surr: Toluene-d8	25.100		25.00		100	80	120				

Sample ID: **P201117MB2** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148789**
Client ID: **PBW** Batch ID: **P20VW120** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	1.0									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **P201117MB2** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148789**
Client ID: **PBW** Batch ID: **P20VW120** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	ND	5.0									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	1.0									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	1.0									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Freon-113	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	1.300	2.0									J
MTBE	ND	0.50									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **P201117MB2** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148789**
Client ID: **PBW** Batch ID: **P20VW120** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	25.740		25.00		103	72	132				
Surr: 4-Bromofluorobenzene	23.660		25.00		94.6	80	120				
Surr: Dibromofluoromethane	25.990		25.00		104	78	130				
Surr: Toluene-d8	26.020		25.00		104	80	120				

Sample ID: **N043035-030AMS** SampType: **MS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148789**
Client ID: **ZZZZZZ** Batch ID: **P20VW120** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007055**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	21.800	0.50	20.00	0	109	80	120				
1,1,1-Trichloroethane	20.760	0.50	20.00	0	104	76	129				
1,1,2,2-Tetrachloroethane	17.780	0.50	20.00	0	88.9	72	125				
1,1,2-Trichloroethane	20.180	0.50	20.00	0	101	70	126				
1,1-Dichloroethane	18.330	0.50	20.00	0	91.7	73	128				
1,1-Dichloroethene	19.670	0.50	20.00	0	98.4	68	137				
1,1-Dichloropropene	21.040	0.50	20.00	0	105	80	130				
1,2,3-Trichlorobenzene	18.720	0.50	20.00	0	93.6	78	123				
1,2,3-Trichloropropane	18.520	0.50	20.00	0	92.6	70	124				
1,2,4-Trichlorobenzene	19.620	0.50	20.00	0	98.1	78	120				
1,2,4-Trimethylbenzene	21.420	0.50	20.00	0	107	79	135				
1,2-Dibromo-3-chloropropane	20.190	1.0	20.00	0	101	64	136				

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **N043035-030AMS** SampType: **MS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148789**
Client ID: **ZZZZZZ** Batch ID: **P20VW120** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007055**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	21.350	0.50	20.00	0	107	71	126				
1,2-Dichlorobenzene	21.660	0.50	20.00	0	108	80	120				
1,2-Dichloroethane	21.560	1.0	20.00	0	108	74	125				
1,2-Dichloropropane	19.360	0.50	20.00	0	96.8	76	120				
1,3,5-Trimethylbenzene	22.040	0.50	20.00	0	110	73	138				
1,3-Dichlorobenzene	21.400	0.50	20.00	0	107	80	120				
1,3-Dichloropropane	19.810	0.50	20.00	0	99.0	76	122				
1,4-Dichlorobenzene	20.630	0.50	20.00	0	103	80	120				
2,2-Dichloropropane	18.830	0.50	20.00	0	94.2	65	139				
2-Butanone	83.430	5.0	200.0	0	41.7	29	120				
2-Chlorotoluene	20.430	0.50	20.00	0	102	80	124				
4-Chlorotoluene	20.330	0.50	20.00	0	102	80	124				
4-Isopropyltoluene	21.500	0.50	20.00	0	108	79	135				
Benzene	20.700	0.50	20.00	0	104	80	121				
Bromobenzene	21.400	0.50	20.00	0	107	80	120				
Bromodichloromethane	20.700	0.50	20.00	0	104	78	121				
Bromoform	21.780	0.50	20.00	0	109	71	127				
Bromomethane	20.950	1.0	20.00	0	105	52	163				
Carbon tetrachloride	23.230	0.50	20.00	0	116	76	136				
Chlorobenzene	20.190	0.50	20.00	0	101	80	120				
Chloroethane	18.510	1.0	20.00	0	92.6	61	159				
Chloroform	18.820	0.50	20.00	0	94.1	61	140				
Chloromethane	16.040	0.50	20.00	0	80.2	45	155				
cis-1,2-Dichloroethene	17.640	0.50	20.00	0	88.2	72	124				
cis-1,3-Dichloropropene	20.040	0.50	20.00	0	100	71	126				
Dibromochloromethane	21.890	0.50	20.00	0	109	78	121				
Dibromomethane	19.950	0.50	20.00	0	99.8	76	123				
Dichlorodifluoromethane	18.790	0.50	20.00	0	94.0	53	159				
Ethylbenzene	20.450	0.50	20.00	0	102	83	121				
Freon-113	20.510	0.50	20.00	0	103	62	144				

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **N043035-030AMS** SampType: **MS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148789**
Client ID: **ZZZZZZ** Batch ID: **P20VW120** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007055**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	22.610	0.50	20.00	0	113	77	124				
Isopropylbenzene	21.520	0.50	20.00	0	108	80	132				
m,p-Xylene	43.450	1.0	40.00	0	109	80	130				
Methylene chloride	20.820	2.0	20.00	0	104	63	135				
MTBE	17.820	0.50	20.00	0	89.1	61	132				
n-Butylbenzene	20.960	0.50	20.00	0	105	74	138				
n-Propylbenzene	20.940	0.50	20.00	0	105	80	128				
Naphthalene	16.200	0.50	20.00	0	81.0	61	136				
o-Xylene	21.310	0.50	20.00	0	107	76	128				
sec-Butylbenzene	21.890	0.50	20.00	0	109	80	133				
Styrene	21.480	0.50	20.00	0	107	65	134				
tert-Butylbenzene	21.820	0.50	20.00	0	109	80	130				
Tetrachloroethene	22.710	0.50	20.00	0	114	74	135				
Toluene	21.970	0.50	20.00	0	110	80	121				
trans-1,2-Dichloroethene	21.540	0.50	20.00	0	108	67	135				
Trichloroethene	22.280	0.50	20.00	0	111	73	132				
Trichlorofluoromethane	20.840	0.50	20.00	0	104	62	167				
Vinyl chloride	17.500	0.50	20.00	0	87.5	53	158				
Surr: 1,2-Dichloroethane-d4	24.470		25.00		97.9	72	132				
Surr: 4-Bromofluorobenzene	25.710		25.00		103	80	120				
Surr: Dibromofluoromethane	24.930		25.00		99.7	78	130				
Surr: Toluene-d8	26.110		25.00		104	80	120				

Sample ID: **N043035-030AMSD** SampType: **MSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148789**
Client ID: **ZZZZZZ** Batch ID: **P20VW120** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007056**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	20.550	0.50	20.00	0	103	80	120	20.55	0	20	
1,1,1-Trichloroethane	19.890	0.50	20.00	0	99.4	76	129	19.89	0	20	
1,1,2,2-Tetrachloroethane	17.110	0.50	20.00	0	85.6	72	125	17.11	0	20	

Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **N043035-030AMSD** SampType: **MSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148789**
Client ID: **ZZZZZZ** Batch ID: **P20VW120** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007056**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	18.650	0.50	20.00	0	93.3	70	126	18.65	0	20	
1,1-Dichloroethane	17.780	0.50	20.00	0	88.9	73	128	17.78	0	20	
1,1-Dichloroethene	18.950	0.50	20.00	0	94.8	68	137	18.95	0	20	
1,1-Dichloropropene	19.900	0.50	20.00	0	99.5	80	130	19.90	0	20	
1,2,3-Trichlorobenzene	21.580	0.50	20.00	0	108	78	123	21.58	0	20	
1,2,3-Trichloropropane	17.800	0.50	20.00	0	89.0	70	124	17.80	0	20	
1,2,4-Trichlorobenzene	21.400	0.50	20.00	0	107	78	120	21.40	0	20	
1,2,4-Trimethylbenzene	21.390	0.50	20.00	0	107	79	135	21.39	0	20	
1,2-Dibromo-3-chloropropane	21.510	1.0	20.00	0	108	64	136	21.51	0	20	
1,2-Dibromoethane	19.900	0.50	20.00	0	99.5	71	126	19.90	0	20	
1,2-Dichlorobenzene	20.670	0.50	20.00	0	103	80	120	20.67	0	20	
1,2-Dichloroethane	20.870	1.0	20.00	0	104	74	125	20.87	0	20	
1,2-Dichloropropane	18.980	0.50	20.00	0	94.9	76	120	18.98	0	20	
1,3,5-Trimethylbenzene	21.120	0.50	20.00	0	106	73	138	21.12	0	20	
1,3-Dichlorobenzene	20.960	0.50	20.00	0	105	80	120	20.96	0	20	
1,3-Dichloropropane	19.290	0.50	20.00	0	96.5	76	122	19.29	0	20	
1,4-Dichlorobenzene	20.340	0.50	20.00	0	102	80	120	20.34	0	20	
2,2-Dichloropropane	19.210	0.50	20.00	0	96.0	65	139	19.21	0	20	
2-Butanone	81.810	5.0	200.0	0	40.9	29	120	81.81	0	20	
2-Chlorotoluene	19.840	0.50	20.00	0	99.2	80	124	19.84	0	20	
4-Chlorotoluene	20.250	0.50	20.00	0	101	80	124	20.25	0	20	
4-Isopropyltoluene	21.230	0.50	20.00	0	106	79	135	21.23	0	20	
Benzene	19.740	0.50	20.00	0	98.7	80	121	19.74	0	20	
Bromobenzene	19.760	0.50	20.00	0	98.8	80	120	19.76	0	20	
Bromodichloromethane	20.680	0.50	20.00	0	103	78	121	20.68	0	20	
Bromoform	21.020	0.50	20.00	0	105	71	127	21.02	0	20	
Bromomethane	19.510	1.0	20.00	0	97.6	52	163	19.51	0	20	
Carbon tetrachloride	22.540	0.50	20.00	0	113	76	136	22.54	0	20	
Chlorobenzene	19.650	0.50	20.00	0	98.2	80	120	19.65	0	20	
Chloroethane	18.260	1.0	20.00	0	91.3	61	159	18.26	0	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **N043035-030AMSD** SampType: **MSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148789**
Client ID: **ZZZZZZ** Batch ID: **P20VW120** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007056**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	18.560	0.50	20.00	0	92.8	61	140	18.56	0	20	
Chloromethane	15.680	0.50	20.00	0	78.4	45	155	15.68	0	20	
cis-1,2-Dichloroethene	18.050	0.50	20.00	0	90.3	72	124	18.05	0	20	
cis-1,3-Dichloropropene	18.720	0.50	20.00	0	93.6	71	126	18.72	0	20	
Dibromochloromethane	19.920	0.50	20.00	0	99.6	78	121	19.92	0	20	
Dibromomethane	19.930	0.50	20.00	0	99.7	76	123	19.93	0	20	
Dichlorodifluoromethane	18.570	0.50	20.00	0	92.8	53	159	18.57	0	20	
Ethylbenzene	19.900	0.50	20.00	0	99.5	83	121	19.90	0	20	
Freon-113	19.370	0.50	20.00	0	96.9	62	144	19.37	0	20	
Hexachlorobutadiene	21.580	0.50	20.00	0	108	77	124	21.58	0	20	
Isopropylbenzene	20.820	0.50	20.00	0	104	80	132	20.82	0	20	
m,p-Xylene	41.380	1.0	40.00	0	103	80	130	41.38	0	20	
Methylene chloride	20.260	2.0	20.00	0	101	63	135	20.26	0	20	
MTBE	16.950	0.50	20.00	0	84.8	61	132	16.95	0	20	
n-Butylbenzene	20.500	0.50	20.00	0	103	74	138	20.50	0	20	
n-Propylbenzene	20.550	0.50	20.00	0	103	80	128	20.55	0	20	
Naphthalene	18.380	0.50	20.00	0	91.9	61	136	18.38	0	20	
o-Xylene	20.530	0.50	20.00	0	103	76	128	20.53	0	20	
sec-Butylbenzene	21.270	0.50	20.00	0	106	80	133	21.27	0	20	
Styrene	20.640	0.50	20.00	0	103	65	134	20.64	0	20	
tert-Butylbenzene	21.280	0.50	20.00	0	106	80	130	21.28	0	20	
Tetrachloroethene	22.500	0.50	20.00	0	112	74	135	22.50	0	20	
Toluene	20.790	0.50	20.00	0	104	80	121	20.79	0	20	
trans-1,2-Dichloroethene	17.480	0.50	20.00	0	87.4	67	135	17.48	0	20	
Trichloroethene	20.990	0.50	20.00	0	105	73	132	20.99	0	20	
Trichlorofluoromethane	20.120	0.50	20.00	0	101	62	167	20.12	0	20	
Vinyl chloride	17.390	0.50	20.00	0	87.0	53	158	17.39	0	20	
Surr: 1,2-Dichloroethane-d4	23.840		25.00		95.4	72	132		0		
Surr: 4-Bromofluorobenzene	24.610		25.00		98.4	80	120		0		
Surr: Dibromofluoromethane	24.010		25.00		96.0	78	130		0		

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Burns & McDonnell
Work Order: N043035
Project: San Jose 07USW, 127712

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **N043035-030AMSD** SampType: **MSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **148789**
Client ID: **ZZZZZZ** Batch ID: **P20VW120** TestNo: **EPA 8260B** Analysis Date: **11/17/2020** SeqNo: **4007056**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	25.590		25.00		102	80	120		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

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P: 562.219.7435 F: 562.219.7436
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CHAIN OF CUSTODY RECORD

Page 1 of 1

Client: Burns & McDonnell	**Report to:** Crystal Chang	**Bill to:** Burns & McDonnel	**EDD Requirement:** Excel EDD ☒, Geotracker ☐, Labspec ☐, Others ☐, Specify:
Address: 617 W. 7th st #202	**Company:** BMcD	**Address:** 617 W. 7th St. #202	**QA/QC:** RTNE ☐, RWQCB ☐, CalTrans ☐, Level III ☐, LEVEL IV ☐, Regulatory ☐, Specify State:
Address: Los Angeles CA 90017	**Email:** cichang@burnsmcd.com	Los Angeles CA 90017	**Sample Receipt Condition:** Y / N; 1. Chilled ☐ ☐; 2. Headspace ☐ ☐; 3. Container Intact ☒ ☐; 4. Seal Present ☐ ☒; 5. IR number 2; 6. Method of Cooling Ice
Phone: **Fax:**	**Address:**	**Email to:** **PO#** 174442	Sample Temp: 2.2°C/2.6°C
Submitted By:		**Phone:** **Fax:** **Global ID:**	11/14/20
Title:	**Phone:** 626 688 7866 **Fax:**		
Signature: **Date:**	**Sampled By:** Andrew Whitman	**Matrix:** Ground ☐, Sediment ☐, Potable ☐, Soil ☐, NPDES ☐, Other Solid ☐, Surface ☐	**Analyses Requested:** Pesticide EPA 8081; VOC EPA 8260; TPH EPA 8015; CAM 17 Metals
I hereby authorize ASSET Labs to perform the tests indicated below:	*I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.*		
Project Name: San Jose 07 USW	**Signature:**	**Date** 11/12/20	Courier: Fedex 5754
Project Number: 127712			Tracking No. 8589

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	Pesticide EPA 8081	VOC EPA 8260	TPH EPA 8015	CAM 17 Metals	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1	N043035-01	SP1-D2	11/12/20	0845		X		X								
2	-02	SP1-D5		0850					X	X	X					
3	-03	SP1-D10		0855					X	X	X					
4	-04	SP1-D15		0900					X	X	X					
5	-05	SP1-D20		0905					X	X	X					
6	-06	SP2-D2		0935				X								
7	-07	SP2-D5		0940					X	X	X					
8	-08	SP2-D10		0945					X	X	X					
9	-09	SP2-D15		0950					X	X	X					
10	-10	SP2-D20		0955					X	X	X					
11	-11	SP3-D2		1005				X								
12	-12	SP3-D5		10:10					X	X	X					

Relinquished by (Signature and Printed Name): Andrew Whitman — **Date / Time** 11/12/20 1815	**Received by (Signature and Printed Name):** Yoandra Rodriguez — **Date / Time** 11/14/20
Relinquished by (Signature and Printed Name): — **Date / Time**	**Received by (Signature and Printed Name):** — **Date / Time** 11:38 am
Relinquished by (Signature and Printed Name): — **Date / Time**	**Received by (Signature and Printed Name):** — **Date / Time**

Turn Around Time (TAT)
- ☐ A = < 24 Hrs or Same Day TAT
- ☐ B = Next Workday
- ☒ C = 2 Workdays
- ☐ D = 3 Workdays
- ☐ E = Routine 5-7 Workdays

TAT Starts at 8 AM the following day if samples received after 3:00 PM.

Special Instruction:
2.2°C/2.6°C
on Ice
Fedex #: 5754/8589

Terms
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis
   Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
3. Custom EDD formats will be an additional 3% of the total project price.
4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applies on total project price.
5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
9. For subcontract analysis. TAT and Surcharges will vary.

Preservatives:				**Container Type:**		
H = HCl	N = HNO3	S = H2SO4	C = 4°C	T = Tube	V = VOA	P = Pint
Z = Zn(AC)2	O = NaOH	T = Na2S2O3		J = Jar	B = Tedlar	G = Glass
Others/Specify:				M = Metal	P = Plastic	C = Can

White = Laboratory Copy
Yellow = Customer's Copy

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Client: Burns & McDonnell	Report to: Crystal Chang	Bill to:	EDD Requirement: Excel EDD ☒, Geotracker ☐, Labspec ☐, Others ☐, Specify:
Address: 617 W. 7th St. # 202	Company: BMcD	Address:	QA/QC: RTNE ☐, RWQCB ☐, CalTrans ☐, Level III ☐, LEVEL IV ☐, Regulatory ☐, Specify State:
Address: Los Angeles CA 90017	Email: cchang@burnsmcd.com		Sample Receipt Condition: Y / N; 1. Chilled ☒; 2. Headspace ☐; 3. Container Intact ☒; 4. Seal Present ☐; 5. IR number 2; 6. Method of Cooling Ice
Phone: Fax:	Address:	Email to: PO# 174442	Sample Temp: 22°C/26°C
Submitted By:		Phone: Fax:	Global ID:
Title:	Phone: 626 688 7786 Fax:		
Signature: Date:	Sampled By: Andrew Whitman	Matrix: Ground ☐, Sediment ☐, Potable ☐, Soil ☐, NPDES ☐, Other Solid ☐, Surface ☐	Analyses Requested: Pesticide EPA 8081; Vol. EPA 8260; TPH EPA 8015; CAM 17 Metal
I hereby authorize ASSET Labs to perform the tests indicated below:	I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		
Project Name: San Jose 07 USW	Signature: Date		Courier: Fedex
Project Number: 127712			Tracking No. 5754/8589

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	Pesticide EPA 8081	Vol. EPA 8260	TPH EPA 8015	CAM 17 Metal	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1	N043035-13	SP3-D10	11/12/20	1015		X			X	X	X					
2	-14	SP3-D15		1020					X	X	X					
3	-15	SP3-D20		1025					X	X	X					
4	-16	SP4-D2		1035				X								
5	-17	SP4-D5		1040					X	X	X					
6	-18	SP4-D10		1045					X	X	X					
7	-19	SP4-D15		1050					X	X	X					
8	-20	SP4-D20		1055					X	X	X					
9	-21	SP5-D2		1105				X								
10	-22	SP5-D5		1110					X	X	X					
11	-23	SP5-D10		1115					X	X	X					
12	-24	SP5-D15	↓ X	1120		X			X	X	X					

Relinquished by (Signature and Printed Name): Andrew Whitman	Date / Time 11/12/20 1815	Received by (Signature and Printed Name): Yoandri Rodriguez	Date / Time 11/14/20 11:38 am
Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time
Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time

Turn Around Time (TAT)
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- ☐ B = Next Workday
- ☒ C = 2 Workdays
- ☐ D = 3 Workdays
- ☐ E = Routine 5-7 Workdays

TAT Starts at 8 AM the following day if samples received after 3:00 PM.

Special Instruction:

Terms
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis
Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
3. Custom EDD formats will be an additional 3% of the total project price.
4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.
5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
9. For subcontract analysis, TAT and Surcharges will vary.

Preservatives: H = HCl; N = HNO3; S = H2SO4; C = 4°C; Z = Zn(AC)2; O = NaOH; T = Na2S2O3; Others/Specify:

Container Type: T = Tube; V = VOA; P = Pint; J = Jar; B = Tedlar; G = Glass; M = Metal; P = Plastic; C = Can

White = Laboratory Copy
Yellow = Customer's Copy

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Client: BMcD	Report to: Crystal Chang	Bill to:	EDD Requirement		QA/QC		Sample Receipt Condition
Address: 617 W. 7th St. #202	Company: BMcD	Address:	Excel EDD	☒	RTNE	☐	Y / N
Address: Los Angeles CA 90017	Email: cchange@burnsmcd.com		Geotracker	☐	RWQCB	☐	1. Chilled ☑ ☐
Phone: Fax:	Address:	Email to: PO# 174442	Labspec	☐	CalTrans	☐	2. Headspace ☐ ☐
Submitted By:		Phone: Fax:	Others	☐	Level III	☐	3. Container Intact ☑ ☐
Title:	Phone: Fax:		Specify:		LEVEL IV	☐	4. Seal Present ☐ ☒
Signature: Date:	Sampled By: Andrew Whitman		Global ID:		Regulatory	☐	5. IR number 2
I hereby authorize ASSET Labs to perform the tests indicated below:	I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.				Specify State:		6. Method of Cooling Ice
Project Name: San Jose 07USW	Signature:	Date					Sample Temp: 22°C / 2.6°C
Project Number: 127712							Courier: Fedex
							Tracking No. 5754 1858 9

Matrix: Ground ☐ Sediment ☐ Potable ☐ Soil ☐ NPDES ☐ Other Solid ☐ Surface ☐

Analyses Requested: Pesticide 8081 | VOC EPA 8260 | TPH EPA 8015 | CAM 17 Metal

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	Pesticide 8081	VOC EPA 8260	TPH EPA 8015	CAM 17 Metal	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1	N043035-25	SP5-D20	11/12/20	1125		X			X	X	X					
2	-26	SP6-D2	↓	1150		↓		X								
3	-27	SP7-D2		1130				X								
4	-28	SP8-D2	X	1140		X		X								
5																
6																
7																
8																
9																
10																
11																
12																

Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time
Andrew Whitman	11/12/20 1615	Joaquin Rodriguez	11/14/20 11:38
Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time
Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time

Turn Around Time (TAT)
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- ☐ C = 2 Workdays
- ☐ D = 3 Workdays
- ☐ E = Routine 5-7 Workdays

TAT Starts at 8 AM the following day if samples received after 3:00 PM.

Special Instruction:

Terms
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis
   Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
3. Custom EDD formats will be an additional 3% of the total project price.
4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.
5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
9. For subcontract analysis, TAT and Surcharges will vary.

Preservatives: H = HCl | N = HNO3 | S = H2SO4 | C = 4°C | Z = Zn(AC)2 | O = NaOH | T = Na2S2O3 | Others/Specify:

Container Type: T = Tube | V = VOA | P = Pint | J = Jar | B = Tedlar | G = Glass | M = Metal | P = Plastic | C = Can

White = Laboratory Copy

Yellow = Customer's Copy

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Client: Burns & McDonnell	**Report to:** Crystal Chang	**Bill to:**	**EDD Requirement**	**QA/QC**	**Sampe Receipt Condition**
Address: 617 W. 7th St #202	**Company:** Burns & McDonnell	**Address:**	Excel EDD ☒	RTNE ☐	Y N
Address: Los Angeles CA 90017	**Email:** cichang@burnsmcd.com		Geotracker ☐	RWQCB ☐	1. Chilled ☑ ☐
Phone: **Fax:**	**Address:**	**Email to:** **PO#** 174442	Labspec ☐	CalTrans ☐	2. Headspace ☐ ☐
Submitted By:		**Phone:** **Fax:**	Others ☐	Level III ☐	3. Container Intact ☑ ☐
Title:	**Phone:** 626 688 7786 **Fax:**		**Specify:**	LEVEL IV ☐	4. Seal Present ☐ ☑
Signature: **Date:**	**Sampled By:** Andrew Whitman		**Global ID:**	Regulatory ☐	5. IR number 2
I hereby authorize ASSET Labs to perform the tests indicated below:	*I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.*			**Specify State:**	6. Method of Cooling Ice
Project Name: San Jose 07USW	**Signature:** **Date**				Sample Temp: 2.2°C / 2.6°C
Project Number: 127712					

Matrix: Ground ☐ Sediment ☐ Potable ☐ Soil ☐ NPDES ☐ Other Solid ☐ Surface ☐

Analyses Requested: VOC EPA 8260 | TPH EPA 8015 | CAM 17 Metals

Courier: FedEx
Tracking No. 5754/8589

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	VOC EPA 8260	TPH EPA 8015	CAM 17 Metals	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1	N043035-29	SP1	11/12/20	1400	X			X	X	X					
2	-30	SP2		1430											
3	-32	SP3		1500											
4	-33	SP4		1530											
5	-34	SP5	X	1600	X			X	X	X					
6															
7															
8															
9															
10															
11															
12															

Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time
Andrew Whitman	11/12/20 18:15	Joanna Rodriguez	11/14/20
			11:38 am

Turn Around Time (TAT)
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☐E = Routine 5-7 Workdays
TAT Starts at 8 AM the following day if samples received after 3:00 PM.

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3. Custom EDD formats will be an additional 3% of the total project price.
4. Add 10% surcharge for Level III Data Packages, 25% for Level IV Data Packages. Surcharge applied on total project price.
5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
9. For subcontract analysis, TAT and Surcharges will vary.

Preservatives:				**Container Type:**		
H = HCl	N = HNO_3	S = H_2SO_4	C = 4°C	T = Tube	V = VOA	P = Pint
Z = $Zn(AC)_2$	O = NaOH	T = $Na_2S_2O_3$		J = Jar	B = Tedlar	G = Glass
Others/Specify:				M = Metal	P = Plastic	C = Can

White = Laboratory Copy
Yellow = Customer's Copy

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	11/14/2020	Workorder:	N043035
Rep sample Temp (Deg C):	2.2/2.6	IR Gun ID:	2
Temp Blank:	☐ Yes ☑ No		
Carrier name:	FedEx		
Last 4 digits of Tracking No.:	5754/8589	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☑	No ☐	NA ☐
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☑	No ☐	NA ☐
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: YR 11/16/2020

Reviewed By: 11/16/2020

Subject: Re: San Jose 07USW, 127712 (ASSET Labs No. N043035)
From: Yoandra Rodriguez <yoandra@assetlaboratories.com>
Date: 11/16/2020, 4:59 PM
To: "Whitman, Andrew S" <awhitman@burnsmcd.com>, "Chang, Crystal I" <cichang@burnsmcd.com>
CC: "marlon@assetlaboratories.com" <marlon@assetlaboratories.com>, "rustico.aquino@assetlaboratoriesph.com" <rustico.aquino@assetlaboratoriesph.com>

Hello Andrew,

8 oz jars is enough, but when we have both volatile and semi volatile analyses, it is better to have separate containers.

Thanks for your quick answer!

On 11/16/2020 4:52 PM, Whitman, Andrew S wrote:

> Hello Yoandra,
>
> I was the field sampler collecting samples that day. I did coordinate with the lab to ask what was needed for soil samples and was told that 8oz jars was enough for requested analyses. However, samples you listed 15 (SP3-D20), 18 (SP4-D10), and 20 (SP4-D20) are all samples that had ample amount of groundwater within the soil – let's hope that's the case. In the future I will be sure to pack ice in plastic bags and use both 4oz and 8oz jar per sample.
>
> Thanks,
>
> **Andrew Whitman** \ Burns & McDonnell
> Assistant Environmental Scientist
> O 213-402-0302 \ M 310-987-2920
> awhitman@burnsmcd.com \ burnsmcd.com
> 617 W. 7th Street Suite 202, Los Angeles, CA 90017
>
> Proud to be one of *FORTUNE*'s 100 Best Companies to Work For
> *Please consider the environment before printing this email.*
>
> ---
>
> **From:** Yoandra Rodriguez <yoandra@assetlaboratories.com>
> **Sent:** Monday, November 16, 2020 4:32 PM
> **To:** Chang, Crystal I <cichang@burnsmcd.com>
> **Cc:** marlon@assetlaboratories.com; Whitman, Andrew S <awhitman@burnsmcd.com>; rustico.aquino@assetlaboratoriesph.com
> **Subject:** Re: San Jose 07USW, 127712 (ASSET Labs No. N043035)
>
> Hi Crystal,
>
> The jars are wet inside. I received the samples on Saturday and transferred them immediately to the refrigerators.
>
> For samples 1 and 2 we used the dry jars for analysis. But for samples 15, 18 and 20 only one jar

was received.

Also moving forward, whenever 8260, TPH and metals are requested, please provide a 4 oz jar and a 8 oz jar per sample. That's why we provided both type of containers.

If you need more supplies, please let me know and I will ship them.

Thanks,

On 11/16/2020 4:19 PM, Chang, Crystal I wrote:

> Hi Yoandra,
>
> Thank you for the notification. For the samples listed below, were the samples compromised? Are they wet inside the jars, or the outside of the jar was saturated?
>
> Thank you,
> Crystal
>
> **Crystal Chang, PE** \ Burns & McDonnell
> Senior Environmental Engineer
> **O** 213-631-5578 **F** 626-817-7899
> cichang@burnsmcd.com \ burnsmcd.com
> 617 W. 7th Street, Suite 202 \ Los Angeles, CA 90017
> ***Please note that I will be beginning maternity leave 11/26/2020***
>
> ---
>
> **From:** Yoandra Rodriguez <yoandra@assetlaboratories.com>
> **Sent:** Monday, November 16, 2020 4:01 PM
> **To:** Chang, Crystal I <cichang@burnsmcd.com>
> **Cc:** marlon@assetlaboratories.com; maryann.balilu@assetlaboratoriesph.com; rustico.aquino@assetlaboratoriesph.com
> **Subject:** San Jose 07USW, 127712 (ASSET Labs No. N043035)
>
> Hello Crystal,
>
> Please, be informed that the following samples were soaked in water upon receipt:
>
> - Sample 1 (SP1-D2): one jar
>
> - Sample 2 (SP1-D5): one jar
>
> - Sample 15 (SP3-D20)
>
> - Sample 18 (SP4-D10)
>
> - Sample 20 (SP4-D20)
>
> To avoid this issue in the future, please pack the ice in plastic bags.
>
> --

ASSET Laboratories

WORK ORDER Summary

16-Nov-20

WorkOrder: N043035

Client ID: BURMD02

Project: San Jose 07USW, 127712 **QC Level:** RTNE **Date Received:** 11/14/2020

Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N043035-001A	SP1-D2	11/12/2020 8:45:00 AM	11/18/2020	Soil	EPA 3546	Microwave Extraction	☐	☐	☐	WS
			11/18/2020		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N043035-001B							☐	☐	☐	WS
N043035-002A	SP1-D5	11/12/2020 8:50:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-002B			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	VS
N043035-002C							☐	☐	☐	VS
N043035-003A	SP1-D10	11/12/2020 8:55:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-003B			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS

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WORK ORDER Summary

16-Nov-20

WorkOrder: N043035

Client ID: BURMD02

Project: San Jose 07USW, 127712 **QC Level:** RTNE **Date Received:** 11/14/2020

Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N043035-003B	SP1-D10	11/12/2020 8:55:00 AM	11/18/2020	Soil	EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	VS
N043035-004A	SP1-D15	11/12/2020 9:00:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-004B			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	VS
N043035-005A	SP1-D20	11/12/2020 9:05:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	WS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-006A	SP2-D2	11/12/2020 9:35:00 AM	11/18/2020		EPA 3546	Microwave Extraction	☐	☐	☐	WS

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16-Nov-20

WorkOrder: N043035

Client ID: BURMD02

Project: San Jose 07USW, 127712 **QC Level:** RTNE **Date Received:** 11/14/2020

Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N043035-006A	SP2-D2	11/12/2020 9:35:00 AM	11/18/2020	Soil	EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N043035-007A	SP2-D5	11/12/2020 9:40:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	WS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-008A	SP2-D10	11/12/2020 9:45:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	WS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-009A	SP2-D15	11/12/2020 9:50:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	VS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	VS

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WORK ORDER Summary

16-Nov-20

WorkOrder: N043035

Client ID: BURMD02

Project: San Jose 07USW, 127712 **QC Level:** RTNE **Date Received:** 11/14/2020

Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N043035-009A	SP2-D15	11/12/2020 9:50:00 AM	11/18/2020	Soil		MERCURY PREP	☐	☐	☐	VS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	VS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	VS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	VS
N043035-010A	SP2-D20	11/12/2020 9:55:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	VS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	VS
			11/18/2020			MERCURY PREP	☐	☐	☐	VS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	VS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	VS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	VS
N043035-011A	SP3-D2	11/12/2020 10:05:00 AM	11/18/2020		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			11/18/2020		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N043035-012A	SP3-D5	11/12/2020 10:10:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS

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WORK ORDER Summary

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WorkOrder: N043035

Client ID: BURMD02

Project: San Jose 07USW, 127712 **QC Level:** RTNE **Date Received:** 11/14/2020

Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N043035-012A	SP3-D5	11/12/2020 10:10:00 AM	11/18/2020	Soil	EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	WS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-013A	SP3-D10	11/12/2020 10:15:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	WS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-014A	SP3-D15	11/12/2020 10:20:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS

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WORK ORDER Summary

16-Nov-20

WorkOrder: N043035

Client ID: BURMD02

Project: San Jose 07USW, 127712 **QC Level:** RTNE **Date Received:** 11/14/2020

Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N043035-014A	SP3-D15	11/12/2020 10:20:00 AM	11/18/2020	Soil	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	WS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-015A	SP3-D20	11/12/2020 10:25:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	WS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-016A	SP4-D2	11/12/2020 10:35:00 AM	11/18/2020		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			11/18/2020		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N043035-017A	SP4-D5	11/12/2020 10:40:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS

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WORK ORDER Summary

16-Nov-20

WorkOrder: N043035

Client ID: BURMD02

Project: San Jose 07USW, 127712 **QC Level:** RTNE **Date Received:** 11/14/2020

Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N043035-017A	SP4-D5	11/12/2020 10:40:00 AM	11/18/2020	Soil	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	WS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-018A	SP4-D10	11/12/2020 10:45:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	WS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-019A	SP4-D15	11/12/2020 10:50:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	WS

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WORK ORDER Summary

16-Nov-20

WorkOrder: N043035

Client ID: BURMD02

Project: San Jose 07USW, 127712 **QC Level:** RTNE **Date Received:** 11/14/2020

Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N043035-019A	SP4-D15	11/12/2020 10:50:00 AM	11/18/2020	Soil	EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-020A	SP4-D20	11/12/2020 10:55:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	WS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-021A	SP5-D2	11/12/2020 11:05:00 AM	11/18/2020		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			11/18/2020		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N043035-022A	SP5-D5	11/12/2020 11:10:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	WS

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16-Nov-20

WorkOrder: N043035

Client ID: BURMD02

Project: San Jose 07USW, 127712 **QC Level:** RTNE **Date Received:** 11/14/2020

Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N043035-022A	SP5-D5	11/12/2020 11:10:00 AM	11/18/2020	Soil	EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-023A	SP5-D10	11/12/2020 11:15:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	VS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	VS
			11/18/2020			MERCURY PREP	☐	☐	☐	VS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	VS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	VS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	VS
N043035-024A	SP5-D15	11/12/2020 11:20:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			11/18/2020			MERCURY PREP	☐	☐	☐	WS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	WS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N043035-025A	SP5-D20	11/12/2020 11:25:00 AM	11/18/2020		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	VS
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	VS

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16-Nov-20

WorkOrder: N043035

Client ID: BURMD02

Project: San Jose 07USW, 127712 **QC Level:** RTNE **Date Received:** 11/14/2020

Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N043035-025A	SP5-D20	11/12/2020 11:25:00 AM	11/18/2020	Soil		MERCURY PREP	☐	☐	☐	VS
			11/18/2020		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	VS
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
			11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	VS
			11/18/2020		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	VS
N043035-026A	SP6-D2	11/12/2020 11:50:00 AM	11/18/2020		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			11/18/2020		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N043035-027A	SP7-D2	11/12/2020 11:30:00 AM	11/18/2020		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			11/18/2020		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N043035-028A	SP8-D2	11/12/2020 11:40:00 PM	11/18/2020		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			11/18/2020		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N043035-029A	SP1	11/12/2020 2:00:00 PM	11/18/2020	Water	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VW
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	VW
N043035-029B			11/18/2020		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	☐	☐	☐	WW
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WW
N043035-029C			11/18/2020		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☐	WW
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WW

ASSET Laboratories

WORK ORDER Summary

16-Nov-20

WorkOrder: N043035

Client ID: BURMD02

Project: San Jose 07USW, 127712 **QC Level:** RTNE **Date Received:** 11/14/2020

Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N043035-029C	SP1	11/12/2020 2:00:00 PM	11/18/2020	Water		MERCURY PREP	☐	☐	☐	WW
			11/18/2020		EPA 7470A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WW
N043035-030A	SP2	11/12/2020 2:30:00 PM	11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VW
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	VW
N043035-030B			11/18/2020		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	☐	☐	☐	WW
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WW
N043035-030C			11/18/2020		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☐	WW
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WW
			11/18/2020			MERCURY PREP	☐	☐	☐	WW
			11/18/2020		EPA 7470A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WW
N043035-031A	SP3	11/12/2020 3:00:00 PM	11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VW
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	VW
N043035-031B			11/18/2020		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	☐	☐	☐	WW
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WW
N043035-031C			11/18/2020		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☐	WW
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WW
			11/18/2020			MERCURY PREP	☐	☐	☐	WW
			11/18/2020		EPA 7470A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WW

ASSET Laboratories

WORK ORDER Summary

16-Nov-20

WorkOrder: N043035

Client ID: BURMD02

Project: San Jose 07USW, 127712 **QC Level:** RTNE **Date Received:** 11/14/2020

Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N043035-032A	SP4	11/12/2020 3:30:00 PM	11/18/2020	Water	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VW
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	VW
N043035-032B			11/18/2020		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	☐	☐	☐	WW
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WW
N043035-032C			11/18/2020		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☐	WW
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WW
			11/18/2020			MERCURY PREP	☐	☐	☐	WW
			11/18/2020		EPA 7470A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WW
N043035-033A	SP5	11/12/2020 4:00:00 PM	11/18/2020		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VW
			11/18/2020		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	VW
N043035-033B			11/18/2020		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	☐	☐	☐	WW
			11/18/2020		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WW
N043035-033C			11/18/2020		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☐	WW
			11/18/2020		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WW
			11/18/2020			MERCURY PREP	☐	☐	☐	WW
			11/18/2020		EPA 7470A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WW
N043035-034A	FOLDER	11/18/2020	11/18/2020		Folder	Folder	☐	☐	☐	LAB
			11/18/2020		Folder	Folder	☐	☐	☐	LAB

ORIGIN ID:ZSMA (310) 987-2920
ANDREW WHITMAN

617 7TH ST

LOS ANGELES, CA 90017
UNITED STATES US

SHIP DATE: 13NOV20
ACTWGT: 75.60 LB
CAD: 6992904/SSF02121
DIMS: 25x13x14 IN

BILL THIRD PARTY

Part # 156293-[illegible] EXP 10/21

TO **MARLON CARTIN ASSET LABS**

3151 W POST RD

LAS VEGAS NV 89118

(702) 307-2659 REF: BLUECOOLER
INV:
PO: DEPT:

FedEx Express

TRK# 0201 **3988 7716 5754**

SATURDAY 12:00P
PRIORITY OVERNIGHT

WO LASA

89118
NV-US **LAS**

2.2℃ JN#2

FedEx Express

SDR

FedEx® Saturday Delivery

151966 10/04 MWI

Do Not Lift Using This Tay

ORIGIN ID:ZSMA (310) 987-2920
ANDREW WHITMAN

617 7TH ST

LOS ANGELES, CA 90017
UNITED STATES US

SHIP DATE: 13NOV20
ACTWGT: 84.20 LB
CAD: 6992904/SSFO2121
DIMS: 26x14x14 IN

BILL THIRD PARTY

Part # 156237-XXX-XXXX-XXX EXP 10/21

TO **MARLON CARTIN ASSET LABS**

3151 W POST RD

LAS VEGAS NV 89118

(702) 307-2659 REF:
INV:
PO: DEPT:

FedEx Express

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NV-US **LAS**

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APPENDIX B - PHOTO LOG

Photo 1: (SP-1) Looking north at adjoining property. GPRS found no obstructions.

Photo 2: (SP-2) Looking north at south side of Lumileds Bldg. GPRS found no obstructions.

Photo 3: (SP-3) Looking northeast. GPRS found no obstructions.

Photo 4: (SP-4) Looking north. GPRS found no obstructions.

Photo 5: (SP-5) Looking north. GPRS found no obstructions.

Photo 6: (SP-6) Looking northwest toward grass field. GPRS found no obstructions.

Photo 7: (SP-7) Looking north. GPRS found no obstructions.

Photo 8: (SP-8) Looking north. GPRS found no obstructions.

Photo 9: (SP-1) Hand augering prior to direct push drilling down to 20 feet.

Photo 10: (SP-2) Direct push drilling to 20 feet bgs.

Photo 11: (SP-3) Direct push drilling to 20 feet bgs.

Photo 12: (SP-4) Hand augering prior to direct push drilling down to 20 feet.

Photo 13: (SP-5) Direct push drilling to 20 feet bgs.

Photo 14: (SP-6) Soil cuttings from hand augering to 2 feet bgs.

Photo 15: (SP-7) Hand augering to 2 feet bgs.

Photo 16: (SP-8) Soil cuttings from hand augering to 2 feet bgs

APPENDIX C - BORING LOGS

Drilling Log

Burns & McDonnell SINCE 1898

Project Name: San Jose OTWW	Project No.: 127712	Boring/Monitoring Well Number: SP-1	
Coordinates	Ground Elevation	Page: 1	
Total Depth (feet): 20	Hole Size (inches)	Driller	
Drilling Rig: Geoprobe		Drilling Company: Cascade	
Date: 11/12/20	Logged By: Andrew W.	Reviewed by:	Approved by:

Elevation (feet)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetrometer (tsf)	PID Reading (ppm)	Remarks
	1	Fill: Silt (ML): slightly sandy, brown, some roots			2 ft						Hand Auger to 5 feet
0845 SP1-D2	2	Hand Auger to 5 feet									
	3										
	4	Clay with Silt: dark stiff clay with silt, low plasticity, dry			5 ft						
0850 SP1-D5	5										
	6										
	7										
	8										
	9	Clay becomes dark brown to black			10 ft						
0855 SP1-D10	10										
	11	little fine to medium grained sand									
	12										
	13										

▽ Depth to water while drilling

▼ Depth to water after drilling

FIELD BLANK LOGS.GPJ 7/21/10

Drilling Log, continued

Burns & McDonnell SINCE 1898

Project Name	Boring/Monitoring Well Number SP-1
Project Number	Page 2
	Date

Elevation (feet)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetrometer (tsf)	PID Reading (ppm)	Remarks
0900 SP1-D15	15	SAND with silt: (SM) fine to coarse sand, trace gravel, well graded, wet brown			15 ft						
	16										
	17	Ground water observed; wet									
	18										
	19										
0905 SP1-D20	20	TD = 20 feet			20 ft						
	21										
	22										
	23										
	24										
	25										
	26										
	27										
	28										

FIELD BLANK LOGS.GPJ 7/21/10

Drilling Log

Burns & McDonnell SINCE 1898

Project Name: 127712	Project No.	Boring/Monitoring Well Number: SP-2	
Coordinates	Ground Elevation	Page: 1	
Total Depth (feet): 20	Hole Size (inches)	Driller	
Drilling Rig: Geo Probe		Drilling Company: Cascade	
Date: 11/12/20	Logged By: Andrew W.	Reviewed by:	Approved by:

Elevation (feet)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetrometer (tsf)	PID Reading (ppm)	Remarks
	1	Fill: Silt (ML): some clay, light brown, little organic material			2 ft						Hand Auger to 5 feet
0935 SP2-D2	2										
	3										
	4	Lean CLAY (CL): few fine sand, some silt, medium plasticity, brown to dark brown dry			5 ft						
0940 SP2-D5	5										
	6										
	7	Clay becomes black									
	8										
	9	fine sand observed									
	10				10 ft						
0945 SP2-D10	11										
	12										
	13	SAND (SP): fine sand, some silt, poorly graded, brown, moist,									

▽ Depth to water while drilling

▼ Depth to water after drilling

FIELD BLANK LOGS.GPJ 7/21/10

Drilling Log, continued

Burns & McDonnell SINCE 1898

Project Name

Project Number

Boring/Monitoring Well Number SP-2

Page 2

Date

Elevation (feet)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetrometer (tsf)	PID Reading (ppm)	Remarks
	15	Groundwater observed; wet			15ft						
0950 SP2-015	16	SAND with clay (SC) fine sand with clay, low plasticity, dark brown poorly graded, wet									
	17										
	18										
	19										
					20ft						
0955 SP2-020	20	TD = 20 feet									
	21										
	22										
	23										
	24										
	25										
	26										
	27										
	28										

FIELD BLANK LOGS.GPJ 7/21/10

Drilling Log

Burns & McDonnell — SINCE 1898

Project Name: San Jac OZUN	Project No.: 127712	Boring/Monitoring Well Number: SP-3	
Coordinates	Ground Elevation	Page: 1	
Total Depth (feet): 20	Hole Size (inches)	Driller	
Drilling Rig: Geo Probe		Drilling Company: Cascade	
Date: 11/12/20	Logged By: Andrew W.	Reviewed by:	Approved by:

Elevation (feet)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetrometer (tsf)	PID Reading (ppm)	Remarks
	1	Fill: Silt (ML): with fine sand dark brown, little organic material									Hand Auger to 5 feet
1005	2	Lean CLAY (CL): little silt low plasticity, dark brown to black, no odor			2ft						
SP3-D2	3										
	4				5ft						
1010	5	Clay with silt (CL): medium plasticity, brown, silt, trace gravel, dry									
SP3-D5	6										
	7										
	8										
	9				10ft						
1015	10	SAND with clay (SC): fine to medium sand, poorly graded, brown to light brown, moist									
SP3-D10	11										
	12										
	13	Ground water observed; wet									

Depth to water while drilling ▽

Depth to water after drilling ▼

FIELD BLANK LOGS.GPJ 7/21/10

Drilling Log, continued

Burns & McDonnell SINCE 1898

Project Name	Boring/Monitoring Well Number SP-3
Project Number	Page 2
	Date

Elevation (feet)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetrometer (tsf)	PID Reading (ppm)	Remarks
1040 SP3-D15	15	Clay: (CL) stiff, dark brown, low plasticity, moist			15 ft						
	16										
	17	SAND with silt: (SM) fine grained, poorly graded, black; no odor, wet									
	18										
	19										
1020 SP3-D20	20	TD = 20 feet			20 ft						
	21										
	22										
	23										
	24										
	25										
	26										
	27										
	28										

FIELD BLANK LOGS.GPJ 7/21/10

Drilling Log

Burns & McDonnell SINCE 1898

Project Name: San Jose OTAW	Project No.: 127712	Boring/Monitoring Well Number: SP-4	
Coordinates	Ground Elevation	Page: 1	
Total Depth (feet): 20	Hole Size (inches)	Driller	
Drilling Rig: Geoprobe		Drilling Company: Cascade	
Date	Logged By: Andrew N.	Reviewed by:	Approved by:

Elevation (feet)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetrometer (tsf)	PID Reading (ppm)	Remarks
	1	FILL: SILT (ML): slightly sandy, brown, some organic material									hand auger to 5 feet
1035 SP4-D2	2										
	3	Lean CLAY (CL): dark stiff clay, medium plasticity, some silt, little fine sand, no odor, dry									
	4										
1040 SP4-D5	5										
	6	stiff clay, black, no odor, dry									
	7										
	8										
	9										
1045 SP4-D10	10	Clay with Sand (CL): high plasticity, soft, light brown, fine grained sand, very moist									
	11										
	12										
	13	marcase silt and sand									

Depth to water while drilling ▽

Depth to water after drilling ▼

FIELD BLANK LOGS.GPJ 7/21/10

Drilling Log, continued

Burns & McDonnell
SINCE 1898

Project Name

Project Number

Boring/Monitoring Well Number

Page 2

Date

Elevation (feet)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetrometer (tsf)	PID Reading (ppm)	Remarks
		Ground water observed, wet									
SP4-05 10:50	15										
	16										
	17	SAND with silt (SM) fine grained, poorly graded, black no odor, wet									
	18										
	19										
10:55 SP4-020	20	TD = 20 feet									
	21										
	22										
	23										
	24										
	25										
	26										
	27										
	28										

FIELD BLANK LOGS.GPJ 7/21/10

Drilling Log

Burns & McDonnell SINCE 1898

Project Name: San Jose, OTSW	Project No.: 127712	Boring/Monitoring Well Number: SP-5	
Coordinates:	Ground Elevation:	Page: 1	
Total Depth (feet): 20	Hole Size (inches):	Driller:	
Drilling Rig: Geoprobe		Drilling Company: Cascade	
Date: 11/12/20	Logged By: Andrew W.	Reviewed by:	Approved by:

Elevation (feet)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetrometer (tsf)	PID Reading (ppm)	Remarks
	1	Fill: (SILT) ML: Dark brown, some fine sand, some organic material, dry			2ft						Hand Auger to 5 feet
11:05 SP5-D2	2	CLAY (CL): with silt and little fine sand, medium plasticity, black, no odor, dry									
	3										
	4				5 ft						
11:10 SP5-D5	5										
	6										
	7										
	8										
	9				10ft						
11:15 SP5-D10	10	SAND with silt (SM): dark gray, fine to medium sand medium dense, little clay, moist									
	11										
	12										
	13										

Depth to water while drilling

Depth to water after drilling

FIELD BLANK LOGS.GPJ 7/21/10

Drilling Log, continued

Burns & McDonnell SINCE 1898

Project Name	Boring/Monitoring Well Number SP-5
Project Number	Page 2
	Date

Elevation (feet)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetrometer (tsf)	PID Reading (ppm)	Remarks
		Ground water observed ~ 14 feet									
11:20 SP5-D15	15	CLAY (CL): brown with little silt, hard & stiff, low plasticity, wet			15ft						
	16										
	17										
	18	Clay (CL) with sand: fine to medium grained, light brown, wet									
	19										
11:25 SP5-D20	20	TD = 20 feet			20ft						
	21										
	22										
	23										
	24										
	25										
	26										
	27										
	28										

FIELD BLANK LOGS.GPJ 7/21/10

Drilling Log

Burns & McDonnell SINCE 1898

Project Name: San Jose OASIS	Project No.: 127712	Boring/Monitoring Well Number: SP-6	
Coordinates:	Ground Elevation:	Page: 1	
Total Depth (feet): 2	Hole Size (inches):	Driller:	
Drilling Rig: Hand Auger	Drilling Company: Cascade		
Date: 11/2/20	Logged By: Andrew W.	Reviewed by:	Approved by:

11:50
SP6-D2

Elevation (feet)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetrometer (tsf)	PID Reading (ppm)	Remarks
	1	Fill: SILT with gravel (ML): fine to medium gravel, some organic material, light brown									Hand Auger to 2 feet
	2	TD = 2 feet									
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										
	13										

▽ Depth to water while drilling
▼ Depth to water after drilling

FIELD BLANK LOGS.GPJ 7/21/10

Drilling Log

Burns & McDonnell
SINCE 1898

Project Name: San Jose 07USW	Project No.: 127712	Boring/Monitoring Well Number: SP-7	
Coordinates:	Ground Elevation:	Page: 1	
Total Depth (feet): 2	Hole Size (inches):	Driller:	
Drilling Rig:	Drilling Company: Cascade		
Date: 11/12/20	Logged By: Andrew W.	Reviewed by:	Approved by:

Elevation (feet)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetrometer (tsf)	PID Reading (ppm)	▽ Depth to water while drilling / ▼ Depth to water after drilling — Remarks
	1	Fill: SILT with sand (ML), fine to coarse sand, some organic material, brown to dark									
	2	TD = 2 feet									
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										
	13										

11:30
SP7-D2

FIELD BLANK LOGS.GPJ 7/21/10

Location:

Drilling Log

Burns & McDonnell — SINCE 1099

Project Name: Burns & McDonnell
Project No.: 127712
Boring/Monitoring Well Number: SP-8
Scientist
Coordinates
0-987-2920
Ground Elevation
Page: 1
m \ burnsmcd.com
Total Depth (feet)
Hole Size (inches)
202, Los Angeles, CA 90017
Driller
Drilling Rig
Drilling Company: Cascade
Proud to be one of *FORTUNE*'s 100 Best Companies to Work For
Please consider the environment before printing this email
Date: 11/12/20
Logged By: Andrew Wilson
Reviewed by:
Approved by:

11:40
SP8-D2

Elevation (feet)	Depth (feet)	Description	Graphic Log	Sample Type	Sample Interval	Blow Counts per 0.5'	N Value	Sample Recovery/Length (feet)	Penetrometer (tsf)	PID Reading (ppm)	Depth to water while drilling / Depth to water after drilling — Remarks
	1	Fill: Clay with silt (CL); gray, contains fill, loose, medium plasticity									Hand Auger to 2 feet
	2	TD = 2 feet									
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										
	13										

FIELD BLANK LOGS.GPJ 7/21/10

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SJC04 Environmental Noise Report

California Energy Commission and
San Jose Planning Department

Microsoft
Orchard Parkway
San Jose, California

Prepared by:

Environmental Systems Design, Inc.
ESD Report Number 22-110
29 July 2022

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Tables

Appendices

I. Executive Summary

Environmental Systems Design (ESD) has reviewed the environmental noise impact of the proposed data center named Microsoft SJC04, located in San Jose, California. A noise model was constructed to calculate the noise impact of the facility along the property line with regard to local and state level noise limits. Through this modeling, feasible noise mitigation methods were incorporated into the design to meet or exceed the noise thresholds for the site. Daily operation of the site does not exceed 60 dBA at any location around the perimeter of the site and regular testing of any generators does not exceed 70 dBA at any location around the perimeter. Operation vibration levels from the site will not exceed 0.01 in/sec at any point on the site or along the property line.

While not required, as there is no residential property within 500 feet of the property line, construction noise and vibration were also evaluated. The anticipated construction noise and vibration levels do not exceed 62 dBA and 0.01 in/sec, respectively, at the nearest residential property.

II. Introduction

Environmental Systems Design (ESD) has been retained to review the potential site noise impact of the proposed data center named Microsoft SJC04, located in San Jose, California.

The site is currently undeveloped land zoned for Industrial. This site is located northeast of the Norman Y. Mineta San Jose International Airport, and is bordered to the north, east, and west with industrial zoned land. There is no significant topography in the near vicinity of the property. The site plan consists of two identical building designs each utilizing sixteen (16) 3000 kW generators, one (1) 800 kW generator, sixty-four (64) fluid coolers, eight (8) Variable Refrigerant Flow (VRF) condensers, and one (1) Dedicated Outdoor Air System (DOAS) fan. There are also two (2) 800 kW generators on the northside of the site housed in sound attenuating enclosures. These buildings are named SJC04 and SJC06, where SJC06 is the northern building. Each building includes a sound attenuating screen around the perimeter of the rooftop. The 800 kW generator within each building may be reduced to 500 kW as the building loads become better defined. The larger of the two potential generator sizes has been used in this evaluation.

A site plan for the proposed data center is shown in Figure 1. A typical building floor plan showing the location of the generators within the building is shown in Figure 2.

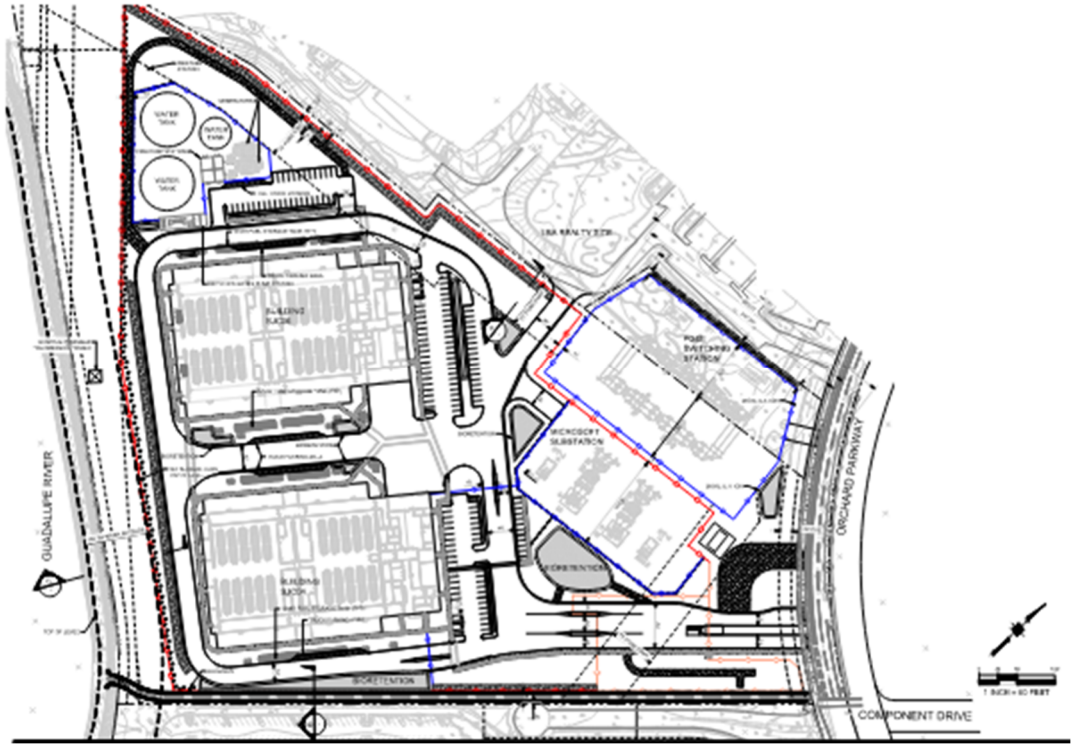

Figure 1: Site Plan

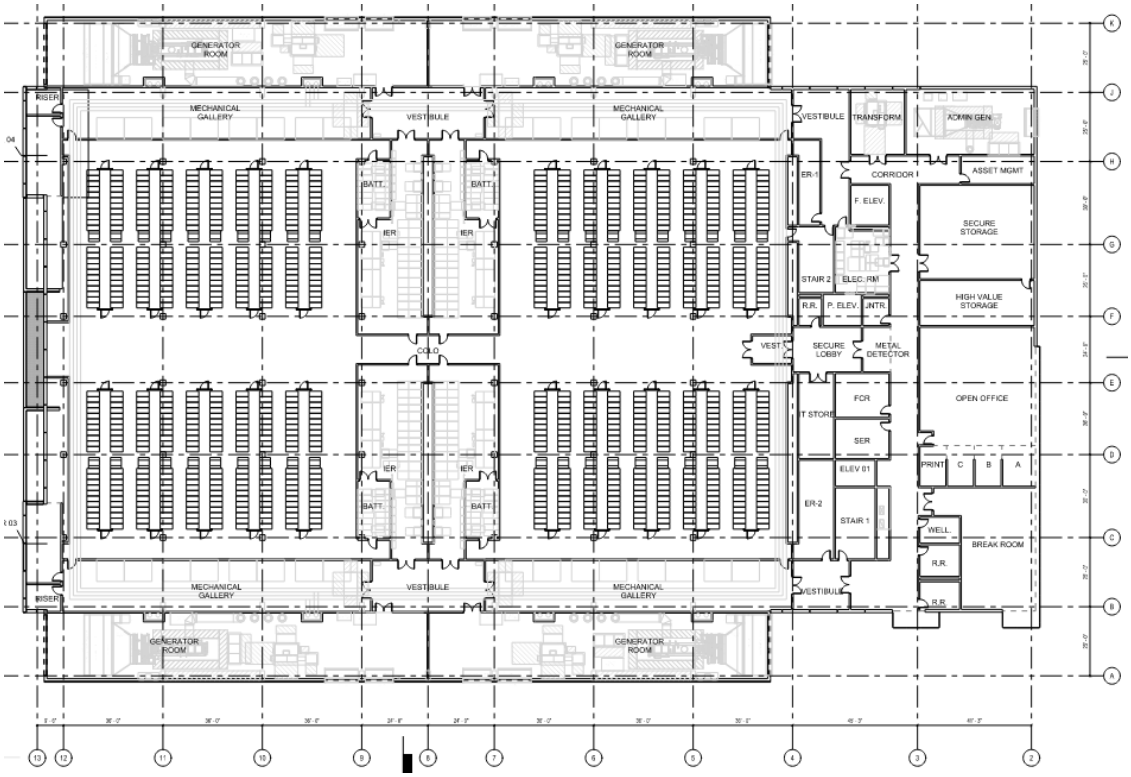

Figure 2: SJC04 Level 2 Floor Plan

III. Definitions

The following technical terminology will be used in the report and are defined as:

- Decibel (dB) – Decibels can represent sound pressure levels and sound power levels of sound sources. Sound pressure levels are the observed noise impact a person hears which can vary by location, whereas sound power levels represent the total sound output of a noise source at its center

- dBA – This is shorthand for decibels A-Weighted, dBA values are a simplified single number representation of a sound level, which has a frequency specific weighting to account for the typical response of human hearing. These single value ratings allow for simple comparison of the total sound produced by a noise source.

- CNEL – Community Noise Equivalent Level, this is an averaged noise level rating where evening and nighttime noise levels carry a penalty rating to represent the heightened impact of noise at late hours.

- Barrier – any object that blocks the direct path of sound travel can be considered a barrier, however for the purpose of this report, this definition is limit to objects that are a continuous mass of a minimum 10 pounds per square foot that occlude the sound path of a source. These barriers must be free of any gaps or discontinuities to be considered a barrier.

IV. Regulatory Framework

This site is subject to a number of noise ordinances administered by multiple governing bodies.

A. San Jose

1. Noise Limits

As per the San Jose Code 20.50.300.B.4.a “The sound pressure level generated by any use or combination of uses shall not exceed the decibel level at any property line as shown in Table 20-135”

Table 20-135 is provided as Table 1. As the SCJ04 site is zoned industrial, as are all immediate adjacent properties, the noise level limit around the perimeter of the site for this study is 70 dBA. The nearest residential property will also be included to ensure that the 55 dBA limit is met at that location. A full zoning map of the site area is provided in the appendix for reference.

Table 1: Maximum Permissible Noise Levels (dBA)

	Maximum Noise Level in Decibels at Property Line
Industrial use adjacent to a property used or zoned for residential purposes	55
Industrial use adjacent to a property used or zoned for commercial purposes	60
Industrial use adjacent to a property used or zoned for industrial or use other than commercial or residential purposes	70

2. Construction Hour Limits

As per the San Jose Code 20.100.450.A “Unless otherwise expressly allowed in a development permit or other planning approval, no applicant or agent of an applicant shall suffer or allow any construction activity on a site located within 500 feet of a residential unit before 7:00 a.m. or after 7:00 p.m., Monday through Friday, or at any time on weekends.”

It should be noted that the project site is well beyond 500 feet from any residential property and these construction limits do not apply under current zoning.

3. Generator Testing Limits

As per the San Jose Code 20.80.2030.B.5, “Testing of generators is limited to 7:00 a.m. to 7:00 p.m., Monday through Friday”

4. Airport Noise Land Use

Appendix D of the San Jose Code includes an additional qualification for the impact of noise to receptors near the Airport that would be a “satisfactory” level. This table is provided in the Appendix. As the code offers a previous goal of noise levels from an industrial site, which are more restricting, this alternative standard will not be referenced again.

5. Vibration Limits

As per the San Jose Code 20.50.300.B.2 “Vibration. There shall be no activity on any site that causes ground vibration which is perceptible without instruments at the property line of the site.”

For simplicity, this limit will be considered as the “Distinctly Perceptible” level of 0.04 inches/second Peak Particle Velocity (PPV) as defined by Caltrans “Transportation and Construction Vibration Guidance Manual”.

B. California Environmental Quality Act

The following questions are required to be answered as part of the 2022 CEQA Statute & Guidelines Appendix G, Section XIII Noise:

XIII. NOISE. Would the project result in:

a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

b) Generation of excessive groundborne vibration or groundborne noise levels?

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

These questions were all included in this study and answered directly in the Conclusions section of this report.

V. Existing Noise

Measurements of the project site noise were conducted July 19 through 21, 2022. As the site is near both the Mineta San Jose International Airport and US-101, these were the primary influences of noise on the monitoring location, which is shown in Figure 3.

Measurements were conducted over a 25-hour period and the measured noise levels are provided in Table 2.

Table 2: Noise Monitoring Results

	L_{eq} (dBA)	Penalty (dBA)	Overall CNEL
Day	57.5	0	62.1
Evening	57.7	5	
Night	55.4	10	

These measured noise levels are within that anticipated from the Airport Noise Contours as the site is within the 60 and 65 dBA contours. For reference the 2018 Airport Noise Contours are provided in the Appendix. Please note that these contours are for CNEL noise levels which include an evening and nighttime penalty, whereas all spot checks mentioned below are daytime measurements and therefore do not have a penalty applied. It is anticipated that these contour levels will increase in coming years as the volume of traffic from the airport increases.

During the monitoring period, spot check measurements were conducted along the property line of the site along with the nearest residential location, these locations were selected to align with the computer model discussed later in this report and to provide a view of the variance in noise levels across the property. Each measurement was conducted during daytime hours and were at least 5 mins in duration. Because of the constant schedule of airplane takeoffs from the nearby airport, all measurement periods contained one aircraft pass bys. The locations of these measurements are shown in Figure 3 and the results of the measurements are shown in Table 3.

Table 3: Spot Check Measurement Results

Location	L_{eq} (dBA)
Monitor Location	57.1
North Property Line (NPL)	60.0
Northeast Property Line (NEPL)	65.5
Southeast Property Line (SEPL)	64.5
South Property Line (SPL)	62.9
West Property Line (WPL)	59.3
Southwest Property Line (SWPL)	62.6
Northwest Property Line (NWPL)	59.4
Nearest Residence	61.4

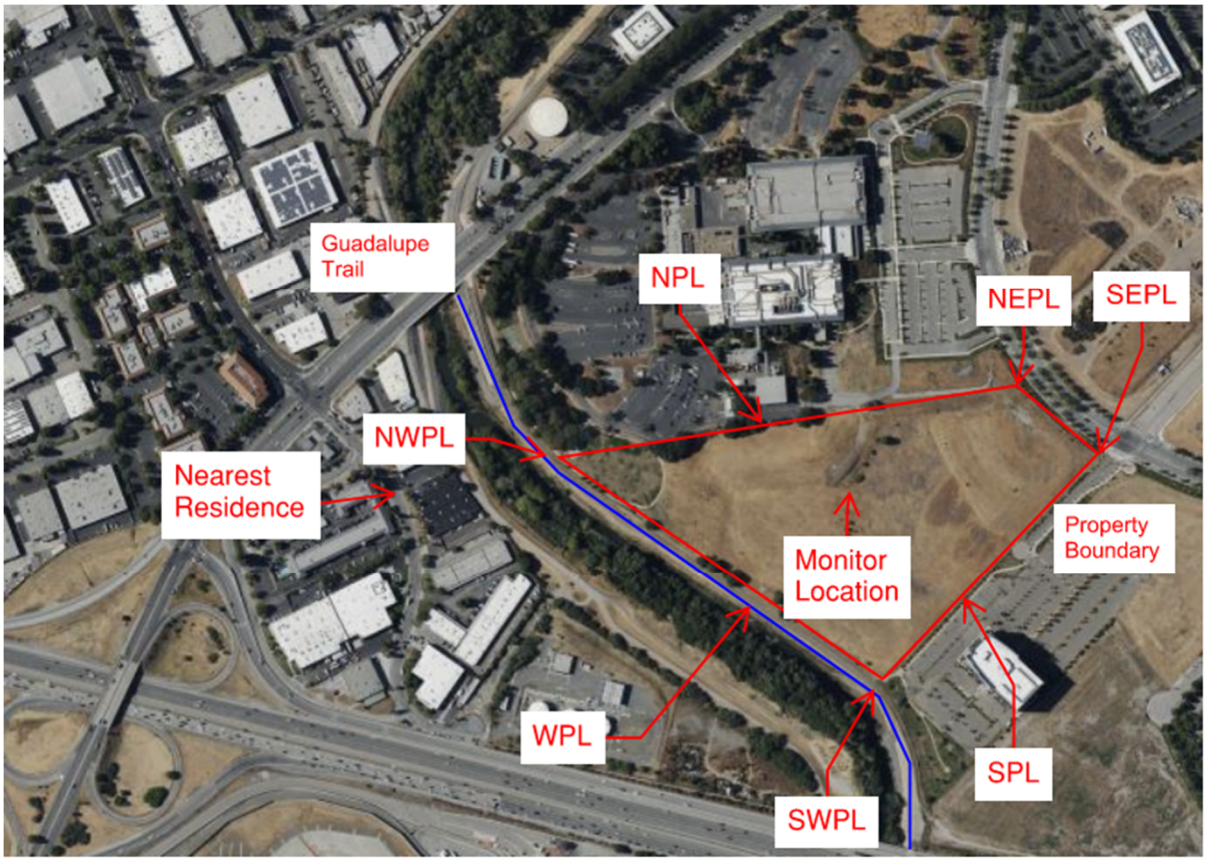

Figure 3: Measurement Locations

Ambient noise measurements were taken at the nearest residential property to the site. This location falls within the 65 dBA Airport Noise Contour and has an ambient noise level that is over the maximum noise impact per the noise ordinance for its zoning. The location is heavily impacted aircraft pass bys and traffic along the highway.

Ambient noise measurements were taken at multiple points along the Guadalupe Trail, located just west of the west property line of the site. This location falls within the 65 dBA Airport Noise Contour,

multiple noise sources influenced the measured noise level in this location including the aircraft pass bys, vehicle noise from the adjacent highway, and rapids in the river.

VI. Methodology

A. Operation Noise

For this review 5 distinct receiver locations were selected around the property line of the site and the nearest residential property, these locations are shown in Figure 4. Each location is strategically located to show the maximum noise impact in the region. Any noise levels from the site further beyond the receiver location into the neighboring property will likely be lower than the noise levels reported due to the extended distance.

Figure 4: Receiver Locations

For this study, the following assumptions and details were used to construct a noise model:

- All noise sources as simplified point or area sources with no significant directivity. This may result in a slightly conservative result.
- Sources
    - Generators in enclosures were modeled as 4 distinct components:
        - Generator inlets were modeled at a height of 11 feet above the ground, with no significant directivity.
        - Generator outlets were modeled at a height of 11 feet above the ground, with no significant directivity.
        - Generator casings were modeled at a height of 11 feet above the ground, with no significant directivity.

        - Generator exhausts were modeled at a height 60 feet above the ground, with no significant directivity.
    - Generators mounted in the building were modeled as 3 distinct components:
        - Generator inlets were modeled at various heights (1st, 2nd, 3rd, and 4th story), with no significant directivity
        - Generator outlets were modeled at various heights (1st, 2nd, 3rd, and 4th story), with no significant directivity.
        - Generator exhausts were modeled at a height 60 feet above the ground, with no significant directivity.
    - Fluid Coolers were modeled as distinct point sources located 5 feet above the building rooftop with no significant directivity.
    - VRF Condensers were modeled as distinct point sources located 5 feet above the building rooftop with no significant directivity.
    - DOAS were modeled as distinct point sources located 5 feet above the building rooftop with no significant directivity.
- Barriers were modeled as simplified barriers
    - No foliage was considered as a barrier for this study.
    - No topographical barriers were included in this study
    - No other buildings were included in this study as barriers
- Receivers were modeled at a height of 5 feet (1.5m).
- No ground reflections were included in this study as the majority of the surrounding area is soft ground.
- No building reflections were included in this study as there are no significant surrounding buildings
- Excess attenuation due air absorption was included in this study.
- No other atmospheric effects, such as wind patterns, were included in this study.

The following sound power levels were used for the sound sources in the noise model:

Table 4: Source Sound Data

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
DOAS	101	96	92	91	86	83	80	79
VRF	78	78	78	78	78	78	78	78
Fluid Cooler	102	100	102	99	95	95	89	85
3000 kW Generator Exhaust	-	134.5	130.2	128.6	126.6	127.8	126.1	127.8
3000 kW Generator Inlet	-	116.4	106.0	112.4	110.3	110.3	107.6	114.1
3000 kW Generator Outlet	-	122.3	118.2	120.6	118.5	118.5	115.7	122.2
800 kW Generator Exhaust**	-	123	128	122	118	114	108	101
800 kW Generator Inlet	-	116.7	105.8	112.5	111.3	108.1	103.9	104.7
800 kW Generator Outlet	-	122.6	118.0	120.7	119.5	116.3	112.0	112.8
800 kW Generator Enclosure Exhaust**	-	123	128	122	118	114	108	101
800 kW Generator Enclosure Inlet*	123.1	120	108.3	94.9	85.8	93	98.1	110.9
800 kW Generator Enclosure Outlet*	115.1	113	105.3	99.9	97.8	100	99.1	106.9
800 kW Generator Enclosure Casing*	115.4	106	97.6	92.1	79.5	73.8	68.9	82.5

*This data is approximated based on previous data of a generator enclosure rated at 75 dBA at 50 feet

**This data is assumed based on a 500kW unit

Table 5: Sound Attenuator Schedule (Insertion Loss in dB)

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
ecoCUBE C175-16 (3000 kW Exhaust)	16	27	34	43	43	40	47	50
ecoCUBE C27 (800 kW Exhaust)	18	36	40	50	40	34	41	49
3000 kW Generator Inlet (3 foot)	2	5	11	20	24	21	17	14
3000 kW Generator Outlet (7 foot)	8	13	23	45	49	44	29	23
800 kW Generator Inlet (5 foot)	6	10	19	35	44	38	25	21
800 kW Generator Outlet (7 foot)	p8	13	23	45	49	44	29	23

B. Operation Vibration

All generators and HVAC equipment will be installed on vibration isolators, limiting their impact to levels below human perception. As the functional use of a data center requires a vibration criterion more stringent than local ordinances, no additional study is required for impact to the community as no vibration will be created at the site during normal operation that exceeds regulations. As vibration levels dissipate with distance from the source, if site vibration levels will not exceed regulations, no other location will experience any greater vibration.

C. Construction Noise

As the project site is not within 500 feet of any residential property, therefore there are no limits for construction noise for this site.

For reference, ten calculations were conducted for the nearest residential property using FHWA Roadway Construction Noise Model (RCNM) software for each anticipated phase of construction. This software combines the sound levels of known construction equipment and extrapolates the combined impact at a greater distance, with correlations for acoustical barriers.

D. Construction Vibration

The vibration effects construction equipment was computed by evaluating the potential vibration impact from known references of construction equipment and extrapolated to appropriate distances to account for vibration loss in soil. The refence data was sourced from the Caltrans “Transportation and Construction Vibration Guidance Manual” and is provided for reference in Table 6.

Table 6: Vibration Examples for Typical Construction Equipment

Equipment	Vibration Velocity at 25 ft (in/s)
Vibratory roller	0.21
Large bulldozer	0.089
Caisson drilling	0.089
Loaded Trucks	0.076
Jackhammer	0.035
Small bulldozer	0.003
Crack-and-seat operations	2.4

It should be noted that Crack-And-Seat Operations are not anticipated on this site and were not included in the study.

VII. Calculations

A. Operation Noise

The noise model was computed under two different operating modes for the site:

- “Cooling Only” assumes the day-to-day operating conditions of the site, where no emergency backup generators are operating.
- “Testing” models the loudest generator at the given receiver location, this assumes a “worst-case” testing scenario, whereas testing of other generators may be lower.

The results of the noise model for each receiver location are provided in Table 7.

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Table 7: Results of Noise Model

	Land Class	Limit (dBA)	Cooling Only (dBA)	Generator Testing (dBA)
NPL	Ind	70	55.7	69.3
EPL	Ind	70	53.2	55.2
SPL	Ind	70	52.2	57.2
WPL	Ind	70	57.3	62.7
Nearest Residence	Res	55	50.0	52.5

B. Operation Vibration

No addition calculations were required.

C. Construction Noise

The L_{eq} for construction activity at the nearest residential receptor ranged from 46 dBA to 60 dBA depending on the operation. Outputs of the calculation software are provided in the appendix for reference.

D. Construction Vibration

Bulldozer operation at or within 40 feet of the property line will cause a momentary exceedance of the inferred San Jose requirements of 0.04 in/s at the property line. As neither the building footprint nor any adjacent property is within 50 feet of the property line, there is no adjacent building that will reach there will be no significant long-term vibration issue from continued construction activity from bulldozers.

Vibratory rollers are not anticipated within 10 feet of the property line. As such there should be no issues at adjacent buildings as levels do not exceed 0.04 in/s at distances greater than 60 feet.

Vibration levels at the nearest residential property are not estimated to exceed $4x10^{-5}$ in/s PPV.

VIII. Conclusions

A. San Jose Requirements

1. Operation Noise

The project site has sufficient mitigation methods to meet the local noise ordinance of 70 dBA in all scenarios. Daily operation (cooling only) does not exceed 60 dBA at any adjacent property and is 50 dBA at the nearest residential property. Testing of any single generator will not exceed 70 dBA at any point along the property line and will not exceed 55 dBA at the nearest residential property.

While not required, as the adjacent properties are not residential, the daily operation level of the site will not increase the noise level at adjacent industrial spaces by more than 5 dBA. The nearest residential property impact is calculated to be significantly lower than existing noise measurements and Airport Noise Contours.

The Guadalupe Trail, located just west of the West Property Line, will not experience noise levels from the site more than the existing Airport Noise Contour of 65 dBA. Noise from periodic generator tests will be within 5 dBA of the existing ambient noise levels measured at this site.

2. Operation Vibration

Operation vibration levels from the site will not exceed 0.01 in/sec at any point on the site or along the property line due to the stringent need for vibration free operation for the data center equipment and use of vibration isolation mounts on all mechanical equipment.

3. Construction Noise

While noise from construction activity is not regulated for this site as it is more than 500 feet from any residential property, noise at the nearest residential receptor ranged from 46 dBA to 60 dBA depending on the operation.

4. Construction Vibration

Most construction activity can occur without any perceptible intrusion to the neighboring property. Where highly vibration inducing activity occurs near the property line, levels will be temporarily raised above perception at the property line, but not affect neighboring buildings.

B. CEQA Requirements

Per the CEQA requirements, the following questions can be answered:

XIII. NOISE. Would the project result in:

a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? - NO

b) Generation of excessive groundborne vibration or groundborne noise levels? - NO

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? - NO

APPENDIX 01

San Jose Zoning Map

SJC04 Environmental Noise Report

July 29 2022

Search for Address

Legend

Zoning

- Agriculture
- Cluster (Multiple Residence)
- Cluster (R-1-5 Low to Medium Density Residential Based District)
- Cluster (R-1-8 Low to Medium Density Residential Based District)
- Combined Industrial/Commercial
- Commercial General
- Commercial General Development
- Commercial Neighborhood
- Commercial Office
- Commercial Pedestrian
- Downtown Primary Commercial
- Downtown Primary Commercial Neighborhood Transition 1
- Heavy Industrial
- Industrial Park
- Light Industrial
- Main Street Commercial
- Main Street Ground Floor Commercial
- Mix Use Commercial
- Mix Use Neighborhood
- Mobilehome Park
- Multiple Residence District
- Open Space
- Planned Development (Agriculture Base District)
- Planned Development (Downtown Primary Commercial Base District)
- Planned Development (Industrial Park Base District)
- Planned Development (Light Industrial Base District)
- Planned Development (Multiple Residence)
- Planned Development (Open Space Base District)
- Planned Development (R-1-1 Low to Medium Density Residential Based District)
- Planned Development (R-2 Medium to High Density Residential)
- Planned Development (Combined Industrial/Commercial Base District)
- Planned Development (Commercial Neighborhood Base District)
- Planned Development (Commercial Pedestrian Base District)
- Planned Development (Heavy Industrial Base District)
- Planned Development (R-1-1 Low to Medium Density Residential Based District)
- Planned Development (R-1-2 Low to Medium Density Residential Based District)
- Planned Development (R-1-8 Low to Medium Density Residential Based District)
- Planned Development Planned Development (Commercial Office Base District)
- Planned Development (Public/Quasi-Public)
- Public/Quasi-Public
- Rural Residential Residence (Up to One Dwelling Unit

600ft

37.387212 -121.928604 Degrees

APPENDIX 02

San Jose City Code - Noise Ordinance

SJC04 Environmental Noise Report

July 29 2022

In the A agricultural district the maximum height of a chimney, weather vane or other similar architectural embellishment mounted on a building and having a horizontal cross section of no more than twenty square feet may be increased to forty feet provided that it does not exceed the height of the building on which it is mounted by more than five feet.

(Ord. 26248.)

20.20.230 - Setback - Exception.

A. The director may grant a reduction in the minimum required setback from an abutting property zoned or used for residential purposes for additions to existing structures or new structures on a lot located in either the A-Agriculture or OS-Open Space Zoning District if the director finds that granting the reduction in the minimum required setback would not impair the utility or value of adjacent property or the general welfare of the neighborhood and, in addition, finds that the proposal meets all of the following criteria:
    1. The subject site or lot:
        a. Is located adjacent to a residentially zoned property or is located next to a residential use; and
        b. Has substantial existing development on the subject site; and
    2. The sizes of any and all additions or structures to be added to the subject site or lot shall not exceed fifty percent of the square footage of the existing structures on the subject site or lot and for which development permits were obtained prior to February 19, 2001; and
    3. The aggregate total square footage of all additions or new structures to be added to the subject site or lot shall not exceed fifty percent of the square footage of the existing structures on the subject site or lot as of February 19, 2001; and
    4. Any addition or structure to be added to the subject site or lot shall not significantly diminish the existing, legal nonconforming setback, and, in any event, no addition or structure to be added to the subject site or lot shall reduce a setback to less than fifty feet; and
    5. Any new addition or structure shall not exceed the height of existing structures located on the subject site or lot, or the maximum height allowance established pursuant to this title for the zoning district, whichever height is less.

(Ord. 26712.)

Part 4 - PERFORMANCE STANDARDS

20.20.300 - Performance standards.

A. In the OS open space and A agricultural districts, no primary, secondary, incidental or conditional use or activity related thereto shall be conducted or permitted:
    1. In a manner that causes or results in the harmful discharge of any waste materials into or upon the ground, into or within any sanitary or storm sewer system, into or within any water system or water, or into the atmosphere; or
    2. In a manner that constitutes a menace to persons or property or in a manner that is dangerous, obnoxious, or offensive by reason of the creation of a fire, explosion, or other physical hazard, or by reason of air pollution, odor, smoke, noise, dust vibration, radiation, or fumes; or
    3. In a manner that creates a public or private nuisance.
B. Without limiting the generality of the preceding subsection, the following specific standards shall apply in the open space and agricultural zoning districts:
    1. Air pollution. Total emissions from any use or combination of uses on a site shall not exceed the emissions and health risk thresholds as established by the director of planning.
    2. Noise. The sound pressure level generated by any use or combination of uses on a property shall not exceed the decibel levels indicated in Table 20-45 at any property line, except upon issuance and in compliance with a special use permit as provided in Chapter 20.100.

Table 20-45

Additional Noise Standards

	Maximum Noise Level in Decibels at Property Line
Open space or agricultural use adjacent to a property used or zoned for residential purposes	55
Open space or agricultural use adjacent to a property used or zoned for commercial purposes	60
Open space or agricultural use adjacent to a property used or zoned for industrial or use other than commercial or residential purposes	70

3. Vibration. There shall be no activity on any site that causes ground vibration that is perceptible without instruments at the property line of the site.

(Ords. 26456, 29364.)

Chapter 20.30 - RESIDENTIAL ZONING DISTRICTS

Part 1 - GENERAL

20.30.010 - Residential zoning districts.

A. This chapter sets forth the land use and development regulations applicable to the residential zoning districts established by Section 20.10.060.

B. No building, structure, or land shall be used, and no building or structure shall be erected, enlarged, or structurally altered, in the R-1, R-2, R-M, and R-MH residential districts except as set forth in this chapter.

C. The purposes of the residential districts are as follows:

1. R-1 Single-Family Residence District. The purpose of the single-family residence district is to reserve land for the construction, use and occupancy of single-family subdivisions. The allowable density range for the R-1 districts is one to eight dwelling units per acre.
2. R-2 Two-Family Residence District. The purpose of the two-family residence district is to reserve land for the construction, use and occupancy of single-family and two-family subdivisions. The allowable density range for the R-2 district is eight to sixteen dwelling units per acre.
3. R-M Multiple Residence District. The purpose of the multiple residence district is to reserve land for the construction, use and occupancy of higher density residential development and higher density residential-commercial mixed use development.
4. R-MH Mobilehome Park District. The purpose of the mobilehome park district is to reserve land for the construction, use and occupancy of mobilehome development.

(Ords. 26248, 26455, 29011, 29821.)

Part 2 - USES ALLOWED

20.30.100 - Allowed Uses and Permit Requirements.

A. Permitted" land uses are indicated by a "P" on Table 20-50.

APPENDIX D: NOISE

The discussion of natural hazards also relates to other elements of the *Envision General Plan*. The potential for land subsidence is directly related to the issues discussed in the Water Resources section, since land subsidence is caused from overdrafting the groundwater basin. The discussion of flooding hazards in this section is directly related to the planning for improved flood protection facilities discussed in the Facilities and Services section. This section also addresses man-made hazards, including noise, fire hazards and hazardous materials. Safety hazards associated with vehicular, rail and air transportation are addressed in the Transportation goals and policies.

In the event of a fire, geologic, or other hazardous occurrence, the City of San José's Emergency Plan provides comprehensive, detailed instructions and procedures regarding the responsibilities of City personnel and coordination with other agencies to ensure the safety of San José's citizens. The Emergency Plan includes evacuation procedures but does not delineate evacuation routes. Instead, procedures are outlined for different types of emergencies occurring in different locations of San José.

Noise and Vibration

Goal EC-1 – Community Noise Levels and Land Use Compatibility

Minimize the impact of noise on people through noise reduction and suppression techniques, and through appropriate land use policies.

Policies – Community Noise Levels and Land Use Compatibility

EC-1.1 Locate new development in areas where noise levels are appropriate for the proposed uses. Consider federal, state and City noise standards and guidelines as a part of new development review. Applicable standards and guidelines for land uses in San José include:

Interior Noise Levels

- The City's standard for interior noise levels in residences, hotels, motels, residential care facilities, and hospitals is 45 dBA DNL. Include appropriate site and building design, building construction and noise attenuation techniques in new development to meet this standard. For sites with exterior noise levels of 60 dBA DNL or more, an acoustical analysis following protocols in the City-adopted California Building Code is required to demonstrate that development projects can meet this standard. The acoustical analysis shall base required noise attenuation techniques on expected *Envision General Plan* traffic volumes to ensure land use compatibility and General Plan consistency over the life of this plan.

Exterior Noise Levels

- The City's acceptable exterior noise level objective is 60 dBA DNL or less for residential and most institutional land uses (Table EC-1). The acceptable exterior noise level objective is established for the City, except in the environs of the San José International Airport and the Downtown, as described below:

- For new multi-family residential projects and for the residential component of mixed-use development, use a standard of 60 dBA DNL in usable outdoor activity areas, excluding balconies and residential stoops and porches facing existing roadways. Some common use areas that meet the 60 dBA DNL exterior standard will be available to all residents. Use noise attenuation techniques such as shielding by buildings and structures for outdoor common use areas. On sites subject to aircraft overflights or adjacent to elevated roadways, use noise attenuation techniques to achieve the 60 dBA DNL standard for noise from sources other than aircraft and elevated roadway segments.

- For single family residential uses, use a standard of 60 dBA DNL for exterior noise in private usable outdoor activity areas, such as backyards.

Table EC-1: Land Use Compatibility Guidelines for Community Noise in San José

LAND USE CATEGORY	EXTERIOR NOISE EXPOSURE (DNL IN DECIBELS (DBA)) 55 60 65 70 75 80
1. Residential, Hotels and Motels, Hospitals and Residential Care[1]	
2. Outdoor Sports and Recreation, Neighborhood Parks and Playgrounds	
3. Schools, Libraries, Museums, Meeting Halls, Churches	
4. Office Buildings, Business Commercial, and Professional Offices	
5. Sports Arena, Outdoor Spectator Sports	
6. Public and Quasi-Public Auditoriums, Concert Halls, Amphitheaters	

[1]Noise mitigation to reduce interior noise levels pursuant to Policy EC-1.1 is required.

Normally Acceptable:

- Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements.

Conditionally Acceptable:

- Specified land use may be permitted only after detailed analysis of the noise reduction requirements and needed noise insulation features included in the design.

Unacceptable:

- New construction or development should generally not be undertaken because mitigation is usually not feasible to comply with noise element policies.

EC-1.2 Minimize the noise impacts of new development on land uses sensitive to increased noise levels (Categories 1, 2, 3 and 6) by limiting noise generation and by requiring use of noise attenuation measures such as acoustical enclosures and sound barriers, where feasible. The City considers significant noise impacts to occur if a project would:

- Cause the DNL at noise sensitive receptors to increase by five dBA DNL or more where the noise levels would remain "Normally Acceptable"; or
- Cause the DNL at noise sensitive receptors to increase by three dBA DNL or more where noise levels would equal or exceed the "Normally Acceptable" level.

EC-1.3 Mitigate noise generation of new nonresidential land uses to 55 dBA DNL at the property line when located adjacent to existing or planned noise sensitive residential and public/quasi-public land uses.

EC-1.4 Include appropriate noise attenuation techniques in the design of all new General Plan streets projected to adversely impact noise sensitive uses.

EC-1.5 Encourage the State Department of Transportation and County transportation agencies to provide visually pleasing sound attenuation devices on all new and existing freeways and expressways.

EC-1.6 Regulate the effects of operational noise from existing and new industrial and commercial development on adjacent uses through noise standards in the City's Municipal Code.

EC-1.7 Require construction operations within San José to use best available noise suppression devices and techniques and limit construction hours near residential uses per the City's Municipal Code. The City considers significant construction noise impacts to occur if a project located within 500 feet of residential uses or 200 feet of commercial or office uses would:

- Involve substantial noise generating activities (such as building demolition, grading, excavation, pile driving, use of impact equipment, or building framing) continuing for more than 12 months.

For such large or complex projects, a construction noise logistics plan that specifies hours of construction, noise and vibration minimization measures, posting or notification of construction schedules, and designation of a noise disturbance coordinator who would respond to neighborhood complaints will be required to be in place prior to the start of construction and implemented during construction to reduce noise impacts on neighboring residents and other uses.

EC-1.8 Allow commercial drive-through uses only when consistency with the City's exterior noise level guidelines and compatibility with adjacent land uses can be demonstrated.

EC-1.9 Require noise studies for land use proposals where known or suspected loud intermittent noise sources occur which may impact adjacent existing or planned land uses. For new residential development affected by noise from heavy rail, light rail, BART or other single-event noise sources, implement mitigation so that recurring maximum instantaneous noise levels do not exceed 50 dBA Lmax in bedrooms and 55 dBA Lmax in other rooms.

EC-1.10 Monitor Federal legislative and administrative activity pertaining to aircraft noise for new possibilities for noise-reducing modifications to aircraft engines beyond existing Stage 3 requirements. Encourage the use of quieter aircraft at the San José International Airport.

EC-1.11 Require safe and compatible land uses within the Mineta International Airport noise zone (defined by the 65 CNEL contour as set forth in State law) and encourage aircraft operating procedures that minimize noise.

EC-1.12 Encourage the Federal Aviation Administration to enforce current cruise altitudes that minimize the impact of aircraft noise on land use.

Actions – Community Noise Levels and Land Use Compatibility

EC-1.13 Update noise limits and acoustical descriptors in the Zoning Code to clarify noise standards that apply to land uses throughout the City.

EC-1.14 Require acoustical analyses for proposed sensitive land uses in areas with exterior noise levels exceeding the City's noise and land use compatibility standards to base noise attenuation techniques on expected Envision General Plan traffic volumes to ensure land use compatibility and General Plan consistency.

Goal EC-2 - Vibration

Minimize vibration impacts on people, residences, and business operations.

Policies - Vibration

EC-2.1 Near light and heavy rail lines or other sources of ground-borne vibration, minimize vibration impacts on people, residences, and businesses through the use of setbacks and/or structural design features that reduce vibration to levels at or below the guidelines of the Federal Transit Administration. Require new development within 100 feet of rail lines to demonstrate prior to project approval that vibration experienced by residents and vibration sensitive uses would not exceed these guidelines.

EC-2.2 Require new sources of ground-borne vibration, such as transit along fixed rail systems or the operation of impulsive equipment, to minimize vibration impacts on existing sensitive land uses to levels at or below the guidelines of the Federal Transit Administration.

EC-2.3 Require new development to minimize vibration impacts to adjacent uses during demolition and construction. For sensitive historic structures, a vibration limit of 0.08 in/sec PPV (peak particle velocity) will be used to minimize the potential for cosmetic damage to a building. A vibration limit of 0.20 in/sec PPV will be used to minimize the potential for cosmetic damage at buildings of normal conventional construction.

EC-2.4 Consider the effects of ground-borne vibration in the analysis for potential Land Use / Transportation Diagram changes.

Seismic Hazards

Goal EC-3 – Seismic Hazards

Minimize the risk of injury, loss of life, property damage, and community disruption from seismic shaking, fault rupture, ground failure (liquefaction and lateral spreading), earthquake-induced landslides, and other earthquake-induced ground deformation.

Policies – Seismic Hazards

EC-3.1 Design all new or remodeled habitable structures in accordance with the most recent California Building Code and California Fire Code as amended locally and adopted by the City of San José, including provisions regarding lateral forces.

EC-3.2 Within seismic hazard zones identified under the Alquist-Priolo Fault Zoning Act, California Seismic Hazards Mapping Act and/or by the City of San José, complete geotechnical and geological investigations and approve development proposals only when the severity of seismic hazards have been evaluated and appropriate mitigation measures are provided as reviewed and approved by the City of San José Geologist. State guidelines for evaluating and mitigating seismic hazards and the City-adopted California Building Code will be followed.

EC-3.3 The City of San José Building Official shall require conformance with state law regarding seismically vulnerable unreinforced masonry structures within the City.

EC-3.4 The City of San José will maintain up-to-date seismic hazard maps with assistance from the California Geological Survey (or other state agencies) under the Alquist-Priolo Earthquake Fault Zoning Act and the California Seismic Hazards Mapping Act.

EC-3.5 Locate, design and construct vital public utilities, communication infrastructure, and transportation facilities in a manner that maximizes risk reduction and functionality during and after an earthquake.

City of San Jose Code of Ordinances

Chapter 10.16 - OFFENSES AGAINST PUBLIC PEACE

Part 1 - DISTURBING THE PEACE[2]

- **10.16.010 - Disturbing the peace prohibited.**

No person shall disturb the peace, quiet and comfort of any neighborhood by creating therein any disturbing or unreasonably loud noise.

(Prior code § 4231; Ord. 24198.)

- **10.16.020 - Disturbing noises designated.**

A.

It is the intent of this chapter to prohibit all noises which are disturbing or unreasonably loud. The types of noises set out in subsection B. shall not be deemed or construed as in any way exclusive, but merely illustrative.

B.

The following types of noises are declared to be disturbing to the peace, quiet and comfort of the neighborhood in which they are heard, and persons creating such noises are in violation of Section 10.16.010:

1.

The sounding of any horn, signal or noise device on any automobile, motorcycle, bus, truck or other vehicle, in any other manner or for any other purpose than allowed by the California Vehicle Code or other laws of the state;

2.

The noise from an exhaust system of any vehicle which is not equipped or constructed so as to prevent any disturbing or unreasonably loud noise;

3.

The revving of the engine of any motor vehicle while such vehicle is not in motion, except when done in the course of repairing, adjusting or testing it;

4.

Disturbing or unreasonably loud shouting or crying of peddlers, hawkers, vendors or newspaper carriers;

5.

The playing or operating of any radio, phonograph, orchestra or other musical device or instrument in a manner that is disturbing or unreasonably loud to a reasonable person outside the facility or unit from which the noise emanates; and

6.

Disturbing or unreasonably loud shouting, screaming, wailing or other vocalization that is disturbing or unreasonably loud to a reasonable person outside the facility or unit from which the noise emanates.

(Prior code § 4232; Ord. 24198.)

- **Part 2 - LOUDSPEAKERS AND SOUND AMPLIFIERS**

- **10.16.030 - Operation without permit prohibited.**

No person shall operate any loudspeaker or sound amplifier or similar device in such a manner as to cause any sound to be projected outside of any building or out-of-doors, except upon receipt of a permit from the chief of police as provided in Section 10.16.040.

(Prior code § 4233; Ord. 24198.)

- **10.16.040 - Issuance of permit.**

A.

The chief of police shall make a decision to grant or deny an application for a loudspeaker permit within five working days after the date the application is received by the police department.

B.

The chief of police may deny the permit application for any of the following reasons:

1.

The applicant has been convicted of a crime related to disturbance of the peace within the past three years or has been found civilly liable for the creation of a public or private nuisance by means of unreasonably loud or disturbing noise.

2.

The applicant has knowingly made false statements in the application.

3.

The proposed location(s) and/or time(s) for the use of the loudspeaker, sound amplifier, or other similar equipment would be likely to create a disturbance of the peace as set out in Sections 10.16.010 and 10.16.020 of this Code.

C.

The permit shall be issued only after payment of the permit fee set forth in the schedule of fees established by resolution of the council.

D.

1.

The chief of police may set reasonable time, place, manner, sound level and duration restrictions on the use of loudspeakers, sound amplifiers and similar devices as a condition for the issuance of a loudspeaker permit.

2.

In setting reasonable time, place and manner restrictions, the chief of police may consider, but is not limited to consideration of, the following factors:

a.

Proximity of the proposed use to residential neighborhoods, medical facilities and schools;

b.

Other proposed applicants who wish to use the same or a nearby area during the same time period;

c.

The likelihood that the proposed use will create a disturbance of the peace;

d.

The applicant's history of compliance with the requirements of this chapter during the past three years.

(Prior code § 4234; Ords. 19764, 21289, 24198.)

- **10.16.050 - Summary suspension of permit.**

A.

The chief of police is authorized to summarily suspend a loudspeaker permit at any time if use of the permitted speaker, sound amplifier or other similar device of the permittee violates the permit conditions set forth under subsection 10.16.040 D. or creates a disturbance of the peace as defined in Sections 10.16.010 and 10.16.020.

B.

The decision to suspend a loudspeaker permit shall take effect immediately.

C.

The decision to suspend the loudspeaker permit may be issued orally or in writing to the permittee or person controlling the loudspeaker. When the decision to suspend is delivered orally to the permittee, the decision to suspend shall be reduced to writing and be mailed to the permittee at the address stated on the application or permit within five days after delivery of the oral decision. Alternatively, the decision to suspend may be hand-delivered or mailed to the permittee or to the address given on the application or permit within five days after delivery of the oral decision.

D.

The written decision to suspend shall advise the permittee that he or she may request a hearing before the appeals hearing board. The request must be in writing and received by the secretary of the board within fifteen days of the date of hand-delivery or mailing of the decision to suspend.

E.

If the permittee does not request a hearing before the board, then the decision to suspend shall become a final decision to revoke the permit at the end of fifteen days after the hand-delivery or mailing of the decision to suspend.

(Ord. 24198.)

- **10.16.060 - Notice of decision to deny or revoke.**

A.

The chief of police shall provide a written notice of decision to deny or revoke a loudspeaker permit.

B.

The notice of decision shall state all the grounds and reasons upon which the denial or revocation is based. A permit may be revoked by the chief of police for any of the grounds for denial stated in Section 10.16.040 B., for violation of any restriction placed on the permit under authority of Section 10.16.040 D., or for creating a disturbance of the peace as set out in Sections 10.16.010 and 10.16.020 of this chapter.

C.

The notice of decision shall be mailed to the applicant or permittee at the address stated on the application or permit. Alternatively, the notice of decision may be delivered to the applicant, permittee or address given in the application or permit.

D.

The notice of decision shall advise the applicant or permittee that the denial or revocation shall become final unless the applicant or permittee requests a hearing before the appeals hearing board. The request must be in writing and received by the secretary of the board within fifteen days of the mailing of the notice of decision.

(Ord. 24198.)

- **10.16.070 - Expedited notice and hearing.**

A.

In the case of the denial of a permit application for an event scheduled to take place within five days of the filing of the application, the chief of police, at the applicant's request, shall provide the applicant with expedited notice, written or oral, of the notice of decision, within twenty-four hours of the time the applicant files the application.

B.

Within twenty-four hours of the applicant's receipt of the expedited notice of the decision to deny a permit, the chief of police shall hold a hearing as provided for in Section 10.16.060.

C.

At the hearing before the chief of police, the applicant shall be given an opportunity to present witnesses and documentary and other evidence.

D.

The hearing will be conducted informally and technical rules of evidence shall not apply. Any and all evidence which the chief of police deems reliable, relevant and not unduly repetitious may be considered.

E.

The applicant may be represented by another person.

F.

The chief of police shall provide an oral or written decision to the applicant sustaining, reversing or modifying the initial decision to deny the permit at the close of the hearing.

G.

If the applicant is dissatisfied with the decision of the chief of police, he or she may file a request for an appeal hearing before the appeals hearing board. The request must be in writing and received by the secretary of the board within five days after the close of the hearing before the chief of police. If the applicant does not deliver the request for a hearing to the secretary within five days after the close of the hearing before the chief of police, then the decision of the chief of police shall be final.

(Ord. 24198.)

- **10.16.080 - Hearing before appeals hearing board.**

A.

The request for a hearing must be in writing and received by the secretary of the appeals hearing board within fifteen days of the date of the police chief's hearing decision.

B.

The appeal hearing shall be conducted in conformance with Part 29 of Chapter 2.08 and the rules and regulations of the appeals hearing board.

C.

The decision of the appeals hearing board shall be final.

(Ord. 24198.)

- **10.16.090 - Private right of action.**

A.

An owner or occupant of any property who is affected by a violation or threatened violation of any provision of this chapter may bring an action for damages, injunctive or declaratory relief or any other appropriate action, in a court of competent jurisdiction to enforce the provisions of this chapter.

B.

An owner or occupant of any property who is affected by a violation or threatened violation of any provision of this chapter who prevails in such an action shall be entitled to recover damages and costs, including reasonable attorney fees; and such other relief as determined by the court. In addition to all other damages or other relief, the court may award the city or private party a civil penalty of up to one thousand dollars for each violation of this chapter.

C.

The remedies provided by this chapter are in addition to any other legal or equitable remedies and are not intended to be exclusive.

(Ord. 24198.)

- **Part 3 - COST RECOVERY FOR RESPONSES TO DISTURBANCES**

- **10.16.100 - Definitions.**

The definitions in this section apply to the following terms as used in this part:

A.

"Disturbance" shall include conduct creating any disturbing or loud noise or sound; any conduct which disrupts the peace and quiet of a neighborhood; and any conduct which interferes with the quiet enjoyment of neighboring property by persons lawfully thereon.

B.

"Response" shall mean the arrival of a police officer at the scene of a disturbance to render whatever service is reasonably required in order to stop a disturbance.

C.

"Responsible party" is any person who owns, leases or is lawfully in charge of the property where the disturbance takes place, or any person who organizes, controls or participates in a disturbance. If the responsible person is a minor, then the parent or guardian who has physical custody of the child at the time of the disturbance shall be the responsible person who is liable.

(Ord. 24314.)

- **10.16.110 - Responses to disturbances.**

A.

No responsible party shall cause, permit or tolerate a disturbance.

B.

Whenever a police officer at the scene warns any responsible party present to discontinue the disturbance, the responsible party shall be liable for the actual cost of each subsequent response required for a disturbance within twelve hours of the first response.

C.

At the first response, the responding police officer shall give an oral and/or written warning to one or more of the responsible parties present that the disturbance must cease immediately, and that if a second or subsequent response to the disturbance is required within twelve hours following such

notice, a response fee shall be charged to any responsible party for all responses after the first response.

D.

All responsible parties shall be jointly and severally liable for the response charge regardless of whether or not a responsible party received an oral or written warning pursuant to Section 10.16.110 C.

(Ord. 24314.)

- **10.16.120 - Charging for responses.**

A.

The response charge shall be the actual cost of police services including, but not limited to, personnel and equipment, incurred for each subsequent response within the twelve-hour period following the first response.

B.

The bill or charges shall be served by the chief of police upon the responsible party within thirty days after the last response to a disturbance.

C.

The total amount of the response charge shall be deemed to be a civil debt to the city and the director of finance may take such action to recover the costs as the city is authorized to do by law for the recovery of a civil debt. The bill of charges shall state the response fee.

D.

The bill of charges and any other notices required by this part shall be served upon the responsible party in accordance with Section 1.04.140 of this Code. If the responsible party has no last known business or residence address, then the scene of the disturbance shall be deemed to be the proper address for service of notice.

E.

The bill of charges shall include a notice of the right of the person being charged to request a hearing before the appeals hearing board within ten days of service of the bill to dispute the imposition of a response charge or the amount of the charge.

(Ord. 24314.)

- **10.16.130 - Hearing before appeals hearing board.**

A.

Any request for a hearing to dispute the imposition of a response charge or the amount of the charge must be in writing and received by the secretary of the appeals hearing board within ten days of the date of service of the bill of charges.

B.

The hearing shall be conducted in conformance with Part 29 of Chapter 2.08 of Title 2 and the rules and regulations of the appeals hearing board.

C.

The decision of the appeals hearing board shall be final.

(Ord. 24314.)

20.100.450 - *Hours* of *construction* within 500 feet of a residential unit.

A.

Unless otherwise expressly allowed in a development permit or other planning approval, no applicant or agent of an applicant shall suffer or allow any construction activity on a site located within 500 feet of a residential unit before 7:00 a.m. or after 7:00 p.m., Monday through Friday, or at any time on weekends.

B.

Without limiting the scope of Section 20.100.310, no applicant or agent of an applicant shall suffer or allow any construction activity on a site subject to a development permit or other planning approval located within 500 feet of a residential unit at any time when that activity is not allowed under the development permit or planning approval.

C.

This section is applicable whenever a development permit or other planning approval is required for construction activity.

(Ords. 26248, 26594.)

Noise Levels During Construction

Reference Levels: Construction Noise at 50 Feet (dBA Leq)[1]					
Construction Phase	Distance: Receptor to center of activity	Average Level (dBA Leq)[2]	Distance: Receptor to border of site	Maximum Level (dBA Lmax)[3]	Drop Off hard=0; soft=0.5
BBN aggregate construction noise level	50	88	50		0

Construction Noise at Trinity Park Drive				
Construction Phase	Distance: Receptor to center of activity	Average Level (dBA Leq)[2]	Distance: Receptor to border of site	Maximum Level (dBA Lmax)[3]
BBN aggregate construction noise level	400	70		#DIV/0!

Construction Noise across Grand Boulevard				
Construction Phase	Distance: Receptor to center of activity	Average Level (dBA Leq)[2]	Distance: Receptor to border of site	Maximum Level (dBA Lmax)[3]
BBN aggregate construction noise level	520	68		#DIV/0!

[1] Calculations based on the Roadway Construction Noise Model with the construction information provided by the applicant.
[2] Average daily noise level including all equipment in use simultaneously considering utilization factors.
[3] Maximum instanteneous noise level from the loudest equipment used during the construction phase.

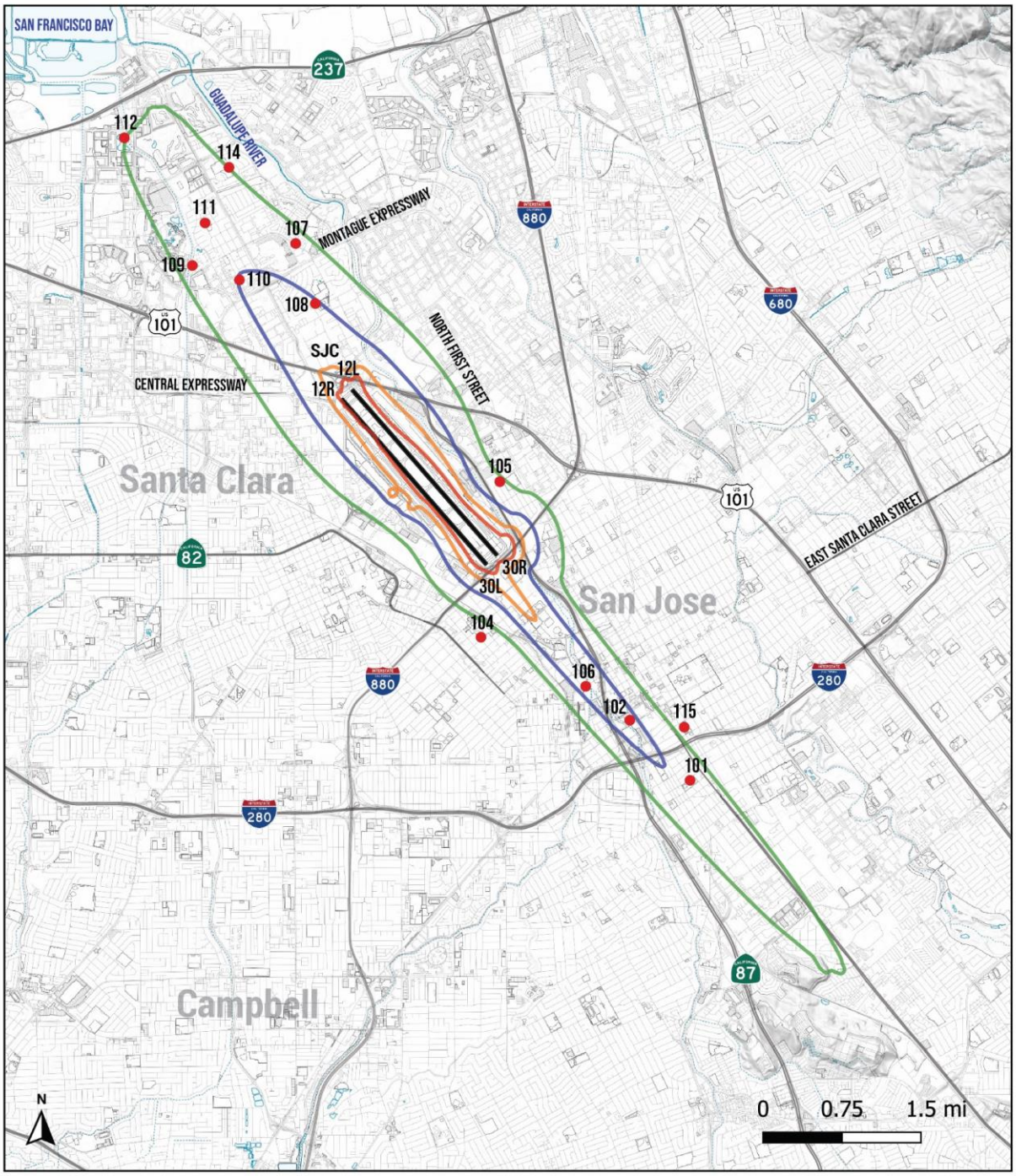
APPENDIX 03

San Jose Airport Noise Assessment from
Environmental Impact Report

SJC04 Environmental Noise Report

July 29 2022

Figure 4
Scenario 1: Existing 2018 Noise Contour Map



NORMAN Y. MINETA SAN JOSE INTERNATIONAL AIRPORT

- Noise Monitoring Station
- 101 Site ID
- Runway
- 75 dBA and Greater CNEL Contour
- 70 dBA and Greater CNEL Contour
- 65 dBA and Greater CNEL Contour
- 60 dBA and Greater CNEL Contour

Figure 4 Scenario 1: Existing/Baseline 2018 Contour Noise Contour Map

Source: BridgeNet International 2019

APPENDIX 04

Sample Construction Noise Calculations

SJC04 Environmental Noise Report

July 29 2022

Report date: 7/8/2022
Case Description: Site Prep SJC04

Description	Land Use
R19	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		1200	0
Dozer	No	40		81.7	1200	0
Tractor	No	40	84		1200	0
Dump Truck	No	40		76.5	1200	0

Results

Equipment	Calculated (dBA) *Lmax	Leq
Grader	57.4	53.4
Dozer	54.1	50.1
Tractor	56.4	52.4
Dump Truck	48.8	44.9
Total	57.4	57.2

*Calculated Lmax is the Loudest value.

Report date: 7/8/2022
Case Description: Grading / Excavation /Trenching / Foundations SJC04

Description	Land Use
R19	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	1200	0
Excavator	No	40		80.7	1200	0
Grader	No	40	85		1200	0
Dozer	No	40		81.7	1200	0
Scraper	No	40		83.6	1200	0
Tractor	No	40	84		1200	0
Dump Truck	No	40		76.5	1200	0

Results

	Calculated (dBA)	
Equipment	*Lmax	Leq
Excavator	53.1	49.1
Excavator	53.1	49.1
Grader	57.4	53.4
Dozer	54.1	50.1
Scraper	56	52
Tractor	56.4	52.4
Dump Truck	48.8	44.9
Total	57.4	59.3

*Calculated Lmax is the Loudest value.

Report date: 7/8/2022
Case Description: Building Construction SJC04

Description	Land Use
R19	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	1200	0
Front End Loader	No	40		79.1	1200	0
Front End Loader	No	40		79.1	1200	0
Front End Loader	No	40		79.1	1200	0
Generator	No	50		80.6	1200	0
Tractor	No	40	84		1200	0
Tractor	No	40	84		1200	0
Welder / Torch	No	40		74	1200	0
Dump Truck	No	40		76.5	1200	0

Results

	Calculated (dBA)
Equipment	*Lmax
Crane	52.9
Front End Loader	51.5
Front End Loader	51.5
Front End Loader	51.5
Generator	53
Tractor	56.4
Tractor	56.4
Welder / Torch	46.4
Dump Truck	48.8
Total	56.4

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 7/8/2022
Case Description: Architectural Coating SJC04

Description	Land Use
R19	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	1200	0
Compressor (air)	No	40		77.7	1200	0
Man Lift	No	20		74.7	1200	0

Results

	Calculated (dBA)	
Equipment	*Lmax	Leq
Compressor (air)	50.1	46.1
Compressor (air)	50.1	46.1
Man Lift	47.1	40.1
Total	50.1	49.6

*Calculated Lmax is the Loudest value.

Report date: 7/8/2022
Case Description: Paving SJC04

Description	Land Use
R19	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	1200	0
Paver	No	50		77.2	1200	0
Pavement Scarafier	No	20		89.5	1200	0
Pavement Scarafier	No	20		89.5	1200	0
Roller	No	20		80	1200	0
Tractor	No	40	84		1200	0

Results

	Calculated (dBA)	
Equipment	*Lmax	Leq
Concrete Mixer Truck	51.2	47.2
Paver	49.6	46.6
Pavement Scarafier	61.9	54.9
Pavement Scarafier	61.9	54.9
Roller	52.4	45.4
Tractor	56.4	52.4
Total	61.9	59.7

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 7/8/2022
Case Description: Site Prep SJC04

Description	Land Use
R19	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		1200	0
Dozer	No	40		81.7	1200	0
Tractor	No	40	84		1200	0
Dump Truck	No	40		76.5	1200	0

Results

	Calculated (dBA)	
Equipment	*Lmax	Leq
Grader	57.4	53.4
Dozer	54.1	50.1
Tractor	56.4	52.4
Dump Truck	48.8	44.9
Total	57.4	57.2

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 7/8/2022
Case Description: Grading / Excavation /Trenching / Foundations SJC06

Description	Land Use
R19	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	1200	0
Excavator	No	40		80.7	1200	0
Grader	No	40	85		1200	0
Dozer	No	40		81.7	1200	0
Scraper	No	40		83.6	1200	0
Tractor	No	40	84		1200	0
Dump Truck	No	40		76.5	1200	0

Results

Calculated (dBA)

Equipment		*Lmax	Leq
Excavator		53.1	49.1
Excavator		53.1	49.1
Grader		57.4	53.4
Dozer		54.1	50.1
Scraper		56	52
Tractor		56.4	52.4
Dump Truck		48.8	44.9
	Total	57.4	59.3

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 7/8/2022
Case Description: Building Construction SJC06

Description	Land Use
R19	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	1200	0
Front End Loader	No	40		79.1	1200	0
Front End Loader	No	40		79.1	1200	0
Front End Loader	No	40		79.1	1200	0
Generator	No	50		80.6	1200	0
Tractor	No	40	84		1200	0
Tractor	No	40	84		1200	0
Welder / Torch	No	40		74	1200	0
Dump Truck	No	40		76.5	1200	0

Results

Calculated (dBA)

Equipment		*Lmax	Leq
Crane		52.9	45
Front End Loader		51.5	47.5
Front End Loader		51.5	47.5
Front End Loader		51.5	47.5
Generator		53	50
Tractor		56.4	52.4
Tractor		56.4	52.4
Welder / Torch		46.4	42.4
Dump Truck		48.8	44.9
	Total	56.4	58.4

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 7/8/2022
Case Description: Architectural Coating SJC06

Description	Land Use
R19	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	1200	0
Compressor (air)	No	40		77.7	1200	0
Man Lift	No	20		74.7	1200	0

Results

	Calculated (dBA)	
Equipment	*Lmax	Leq
Compressor (air)	50.1	46.1
Compressor (air)	50.1	46.1
Man Lift	47.1	40.1
Total	50.1	49.6

*Calculated Lmax is the Loudest value.

Report date: 7/8/2022
Case Description: Paving SJC06

Description	Land Use
R19	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	1200	0
Paver	No	50		77.2	1200	0
Pavement Scarafier	No	20		89.5	1200	0
Pavement Scarafier	No	20		89.5	1200	0
Roller	No	20		80	1200	0
Tractor	No	40	84		1200	0

Results

	Calculated (dBA)	
Equipment	*Lmax	Leq
Concrete Mixer Truck	51.2	47.2
Paver	49.6	46.6
Pavement Scarafier	61.9	54.9
Pavement Scarafier	61.9	54.9
Roller	52.4	45.4
Tractor	56.4	52.4
Total	61.9	59.7

*Calculated Lmax is the Loudest value.