Nova Group

Inspired Solutions
by Nova Group

Limited Subsurface Investigation Report

Majestic Chino Flight
Southeast Corner of Flight Avenue and Remington Avenue
Chino, California 91710

Prepared For:

Linda Casey
Majestic Realty Co.
13191 Crossroads Parkway North, 6th Floor
City of Industry, CA 91746

Prepared By:

Nova Group, GBC
3901 Arlington Highlands Boulevard, Suite 200
Arlington, TX 76018
(281) 889-3054

Report Date: April 29, 2022

Nova Project No. V22-3615

TABLE OF CONTENTS

FIGURES

TABLE

APPENDICES

1.0 INTRODUCTION

1.1 Authorization

In accordance with the authorization received from Majestic Realty Co. (the Client) on April 4, 2022, Nova has conducted a Limited Subsurface Investigation (LSI) at the property located at the southeast corner of Flight Avenue and Remington Avenue in Chino, California (the Site). A topographic map of the Site is attached as **Figure 1**. A Site Location Map is attached as **Figure 2**, and Sample Location Maps are attached as **Figure 3** and **Figure 4**.

1.2 Background

Nova completed a Phase I Environmental Site Assessment (ESA) at the Site dated April 30, 2021. The April 2021 Phase I ESA included the following Site information:

- The Site is comprised of six contiguous tracts of irregular-shaped land that is approximately 42.77 acres in size. The Property is developed with two buildings that have been partially demolished and as well as scattered concrete water and feed troughs. Original dates of construction were not available; however, based on a review of historical information, the Property appears to have been developed between 1959 and 1966. Currently, the Property is no longer in use.

The April 2021 Phase I ESA identified the following recognized environmental condition (REC) associated with the Site:

- Imported fill covering an area of approximately one acre was observed on the southeast portion of the Property and based on historical aerial photographs was deposited between 2012 and 2018. PVC piping was observed as well municipal waste partially buried within the fill material. No documentation of the origin of the fill material was provided. Based on the absence of information regarding the source, the imported fill material is considered a REC to the Property and further investigation is recommended.

For additional information regarding the findings of the ESA, please refer to the report titled: *Phase I Environmental Site Assessment, Majestic Chino Flight, SEC of Flight Avenue and Remington Avenue, Chino, California 91710*, dated April 30, 2021, Nova Project Number V21-2923.

Additionally, Nova reviewed historical aerial photographs on Google Earth showing the southeast portion of the Site where the dumped soil/imported fill was identified at the Site. Based on review of available historical aerial photographs, Nova made the following observations regarding the presence of dumped soil/imported fill and other debris identified in the southeast portion of the Site:

- It appears that dumped soil/imported fill has been present in the southeast portion of the Site since at least 2007 possibly 2003.

- Additional piles of dumped soil/imported fill were deposited in the vicinity of the initial piles at the Site approximately tripling in size sometime between 2009 and 2013;

- ~10 additional piles of dumped soil/imported fill appear to have been deposited between 2013 and 2015;

- A relatively large volume of dumped soil/imported fill appears to have been deposited more than quadrupling in size between 2015 and 2016;

- Another very large volume of dumped soil/imported fill appears to have been deposited in 2017 more than quadrupling in size upon comparison to the 2016 aerial photo; the piles appear to consist of varying colors/soil types;

- There does not appear to be additional piles of dumped soil/imported fill imported to the southeast portion of the Site between 2018 and 2021.

- There does not appear to be an on-site or nearby excavation project that was a potential source of the dumped soil/imported fill. It appears that the dumped soil/imported fill were likely transported to the Site from an off-site source. It appears that access to the southeastern portion of the Site was previously provided by a roadway that exists along the eastern boundary of the Site where large piles of household trash, tires, and other debris were observed during this assessment.

1.3 Objective

The objective of this LSI was to conduct preliminary waste characterization for a large area of imported fill/dumped soil and miscellaneous trash identified on the southeastern portion of the Site as identified in the April 2021 Phase I ESA.

1.4 Scope of Services

As part of this LSI, Nova completed the following scope of services:

- Advanced six (6) soil borings throughout the pile of dumped soi/imported fill observed in the southeast portion of the Site. The soil borings were advanced to depths of approximately 3 to 7 feet below grade surface (bgs) using a stainless steel hand auger where sampler refusal was encountered;

- Screened the soil samples collected from the soil borings at continuous intervals for volatile organic vapors with a photoionization detector (PID), documented any indications of unusual odors or staining, and recorded detailed descriptions of the subsurface lithology;

- Collected one (1) analytical soil sample from each of the six (6) soil borings;

- Submitted six (6) soil samples to a California-certified analytical laboratory to be analyzed for volatile organic compounds (VOCs) using EPA Method 8260B, California Extended Range Total Petroleum Hydrocarbons (TPH) using EPA Method 8015; and California Code of Regulations (CCR) Title 22 (CAM 17) Metals using EPA Method 6010/7470; Three (3) soil samples were additionally analyzed for poly-chlorinated biphenyls (PCBs) using EPA Method 8082 and Pesticides using EPA Method 8081; and

- Prepared this Limited Subsurface Investigation Report detailing the employed investigation methods and procedures, summarizing the field and analytical results, and providing appropriate conclusions and recommendations.

2.0 METHODS AND PROCEDURES

2.1 Fill Material/Waste Observation

On April 13, 2022, Nova met with a representative from Waste Management (WM) at the Site to evaluate the dumped soil/imported fill material identified at the Site. The area of the Site where the dumped soil/imported fill was observed was measured to be approximately 200 feet by 200 feet and was approximately 15 to 20 feet high. Pieces of concrete, PVC piping, and other construction debris were observed within some of the dumped piles. The volume of the dumped soil/imported fill in this area was estimated to be approximately 25,000 cubic yards.

Some piles appeared light grey; some appeared to be light brown/brown; and others were light beige. Some piles consisted of silt with angular gravel, and some piles consisted of silty sand with subrounded gravel. The dumped soil/imported fill appears to have been imported from multiple sources based on the numerous soil types and other materials observed in the piles of dumped soil/imported fill.

Additionally, several piles of household trash, tires, and other debris were observed throughout the northern and eastern portions of the Site.

2.2 Soil Boring Advancement

On April 13, 2022, Nova advanced six (6) exterior soil borings (SB-1 through SB-6) throughout the piles of dumped soil, imported fill, and debris observed in the southeast portion of the Site. One (1) soil boring was advanced generally within each of the four (4) quadrants of the piles, and two (2) Soil borings soil boring were advanced generally within the central portion of the piles. Soil borings were advanced to depths of 3 to 7 feet bgs utilizing a stainless steel hand auger. Sampler refusal was encountered at depths ranging from 3 to 7 feet bgs within each soil boring due to the presence of coarse gravel and other debris. Groundwater was not encountered within the soil borings advanced at the Site. The sampling equipment was cleaned with an Alconox detergent/water wash and potable water rinse prior to advancement of each soil boring.

Sample Location Maps which show the approximate locations of soil borings installed for this LSI is attached as **Figure 3** and **Figure 4**. Photographs of the soil boring locations are included in **Appendix B**.

2.4 Field Screening

Soil samples collected were visually inspected to record the physical description of the soils encountered at each soil boring location on a field-boring log. The soil sample descriptions generally included type, color, texture, and moisture. The descriptions were recorded on the soil boring logs provided in **Appendix B**.

In addition to recording the physical description of the soils encountered at each soil boring location, soil samples were evaluated for the presence of staining and odors. Each of the soil samples retrieved from the borehole was screened for volatile organic vapors using a PID equipped with a 10.6 electron-volt (eV) lamp that was calibrated to an isobutylene standard prior to being used at the Site. Physical evidence of any unusual odors or staining was also recorded on the field log.

2.5 Laboratory Chemical Analyses

Soil samples were collected for laboratory analysis at the terminal depth of each boring. Soil samples were collected for laboratory analysis at approximately 5 feet bgs from soil borings SB-1, SB-2, and SB-6; at approximately 6 feet bgs from soil boring; at approximately 3 feet bgs from soil boring SB-4; and at approximately 7 feet bgs from soil boring SB-5. The soil samples were placed in laboratory-supplied containers, stored in a cooler that contained wet ice, and transported to Pace National Lab (Pace) located in Mt. Juliet, Tennessee for analysis using chain-of-custody protocols. Pace is certified to analyze environmental samples collected in the State of California (Certification No. 01157CA).

A total of six (6) soil samples were submitted to Pace for laboratory analysis of VOCs using EPA Method 8260B; California Extended Range TPH using EPA Method 8015; and CCR Title 22 (CAM 17) Metals using EPA Method 6010/7470. Three (3) of the six (6) soil samples (SB-1-5, SB-2-5, and SB-3-6) were additionally analyzed for PCBs using EPA Method 8082 and Pesticides using EPA Method 8081.

3.0 RESULTS

3.1 Geology and Site Conditions

As previously discussed, various soil lithologies were observed within the piles of dumped soil/imported fill at the Site. Soils encountered within soil borings consisted of light brown/brown, light beige, and greyish brown silt and silty sand, along with angular, subangular, and subrounded gravel. Hand auger refusal was encountered at all six (6) soil borings at approximately 3 to 7 feet bgs due to the presence of coarse gravel and other debris. Groundwater was not encountered within the soil borings advanced at the Site. Soil boring logs are provided in **Appendix C**.

3.2 Field Screening

Field screening of the soil samples collected from soil borings did not detect volatile organic vapors when screened with a PID at concentrations above 0.0 parts per million by volume (ppmv). No unusual odors or staining were observed in the soil samples collected. The PID screening results for soil samples are included in the soil boring logs attached in **Appendix C**.

3.3 Chemical Analyses

3.3.1 Soil Sample Analytical Results

Soil sample analytical results were compared to the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Soil Environmental Screening Levels (ESLs) – Tier 1 ESLs. Additionally, soil sample metals results were compared to United States Geological Survey (USGS) Background Metals Mean Concentrations and California Department of Toxic Substances Control (DTSC) Naturally Occurring Concentrations of Inorganic Chemicals in Soil at California Airforce Installations – Soil Background Levels.

Soil sample analytical results indicate that several metals were detected in soil samples. Arsenic was detected in soil samples, SB-1-5, SB-2-5, SB-4-3, and SB-6-5, at concentrations of 6.85 milligrams per kilogram (mg/kg), 4.78 mg/kg, 2.97 mg/kg, and 6.09 kg, respectively. The detected concentrations exceed the Tier 1 Soil ESL for arsenic of 0.067 mg/kg but are within the range of USGS Background Concentrations for arsenic in San Bernardino County of 3.892 - 10.125 mg/kg. Arsenic was detected in soil sample, SB-5-7, at concentration of 10.3 mg/kg which exceeds the USGS Background Concentrations for arsenic but is within the range of CA DTSC Soil Background Levels for arsenic of 2.6 to 45.9 mg/kg. Arsenic was not detected in soil sample SB-3-6 at a concentration above the laboratory reported detection limit (RDL).

Barium was detected in all six (6) soil samples at concentrations ranging from 98.9 mg/kg in SB-3-6 to 215 mg/kg in SB-5-7. The detected concentrations are above the Tier 1 Soil ESL for barium of 5 mg/kg but below the range of CA DTSC Soil Background Levels for barium of 97 to 655 mg/kg.

Cadmium was detected in soil sample SB-1-5 at a concentration of 3.39 mg/kg which exceeds the Tier 1 Soil ESL for cadmium of 1.9 mg/kg but is within the range of CA DTSC Soil Background Levels for cadmium of <0.5 to 5.2 mg/kg. Cadmium was also detected in soil samples SB-3-6, SB-4-3, and SB-5-7 at relatively lower concentrations below the Tier 1 Soil ESL for cadmium of 1.9 mg/kg. Cadmium was not detected in soil samples SB-2-5 and SB-6-5 at concentrations above the laboratory RDL.

Lead was detected in soil samples SB-3-6 and SB-5-7 at concentrations of 56.8 mg/kg and 32.3 mg/kg, respectively which exceed the Tier 1 Soil ESL for lead of 32 mg/kg but are within the range of USGS Background Concentrations for lead in San Bernardino County of 6.503 to 3938.540 mg/kg. Lead was also detected in the other four (4) soil samples at relatively lower concentrations below the Tier 1 Soil ESL for lead of 32 mg/kg.

Molybdenum was detected in soil sample SB-1-5 at a concentration of 7.07 mg/kg which slightly exceeds the Tier 1 Soil ESL for molybdenum of 6.9 mg/kg but is within the range of CA DTSC Soil Background Levels for molybdenum of <2 to 26 mg/kg. Molybdenum was also detected in soil samples SB-4-3 and SB-6-5 at relatively lower concentrations below the Tier 1 Soil ESL for molybdenum of 6.9 mg/kg. Molybdenum was not detected in soil samples SB-2-5, SB-3-6, and SB-5-7 at concentrations above the laboratory RDL.

Vanadium was detected in soil sample SB-1-5 at a concentration of 71.2 mg/kg which exceeds the Tier 1 Soil ESL for vanadium of 18 mg/kg but is within the range of CA DTSC Soil Background Levels for vanadium of 35.1 to 270 mg/kg. Vanadium was also detected in the other five (5) soil samples at relatively lower concentrations below the Tier 1 Soil ESL for vanadium of 18 mg/kg.

Chromium, cobalt, mercury, nickel, and zinc were also detected in soil samples at concentrations above laboratory RDLs but below Tier 1 Soil ESLs.

Soil sample analytical results indicate that the VOC, xylenes, C5-C12 Hydrocarbons (TPHg), C22-32 Hydrocarbons (TPHo), and C32-40 Hydrocarbons (TPHro), were detected in soil samples at concentrations above laboratory RDLs, but below Tier 1 Soil ESLs. Soil sample analytical results indicate that C12-C22 Hydrocarbons (TPHd) was not detected in soil samples at concentrations exceeding laboratory RDLs.

Soil sample analytical results indicate that PCBs and Pesticides were not detected in soil samples at concentrations above laboratory RDLs.

A summary of soil sample analytical results is provided in Table 1. A copy of the laboratory analytical report is included as **Appendix D**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The objective of this LSI was to conduct preliminary waste characterization for a large area of imported fill/dumped soil and miscellaneous trash identified on the southeastern portion of the Site as identified in the April 2021 Phase I ESA.

On April 13, 2022, Nova met with a representative from Waste Management (WM) at the Site to evaluate the dumped soil/imported fill material identified at the Site. The area of the Site where the dumped soil/imported fill was observed was measured to be approximately 200 feet by 200 feet and was approximately 15 to 20 feet high. Pieces of concrete, PVC piping, and other construction debris were observed within some of the dumped piles. The volume of the dumped soil/imported fill in this area was estimated to be approximately 25,000 cubic yards.

Some piles appeared light grey; some appeared to be light brown/brown; and others were light beige. Some piles consisted of silt with angular gravel, and some piles consisted of silty sand with subrounded gravel. Additionally, several piles of household trash, tires, and other debris were observed throughout the northern and eastern portions of the Site.

On April 13, 2022, Nova advanced six (6) exterior soil borings (SB-1 through SB-6) throughout the piles of dumped soil, imported fill, and debris observed in the southeast portion of the Site. One (1) soil boring was advanced generally within each of the four (4) quadrants of the piles, and two (2) Soil borings soil boring were advanced generally within the central portion of the piles. Soil borings were advanced to depths of 3 to 7 feet bgs utilizing a stainless steel hand auger. Sampler refusal was encountered at depths ranging from 3 to 7 feet bgs within each soil boring due to the presence of coarse gravel and other debris. Groundwater was not encountered within the soil borings advanced at the Site.

Soil samples were collected for laboratory analysis at the terminal depth of each boring. A total of six (6) soil samples were for laboratory analysis of VOCs using EPA Method 8260B; California Extended Range TPH using EPA Method 8015; and CCR Title 22 (CAM 17) Metals using EPA Method 6010/7470. Three (3) of the six (6) soil samples (SB-1-5, SB-2-5, and SB-3-6) were additionally analyzed for PCBs using EPA Method 8082 and Pesticides using EPA Method 8081.

Field screening of the soil samples collected from soil borings did not detect volatile organic vapors when screened with a PID at concentrations above 0.0 ppmv. No unusual odors or staining were observed in the soil samples collected.

Soil sample analytical results indicate that several naturally occurring metals were detected in soil samples. Arsenic, barium, cadmium, lead, molybdenum, and vanadium were detected in soil samples at concentrations above the Tier 1 Soil ESLs but below USGS and CA DTSC Background Concentrations. Chromium, cobalt, mercury, nickel, and zinc were also detected in soil samples at concentrations above laboratory RDLs but below Tier 1 Soil ESLs. Xylenes, TPHg, TPHo, TPHro, were detected in soil samples at concentrations above laboratory RDLs, but below Tier 1 Soil ESLs. PCBs, Pesticides, and TPHd were not detected in soil samples at concentrations above laboratory RDLs.

Based on a review of historical aerial photographs along with the numerous soil types and other materials observed in the piles of dumped soil/imported fill, the dumped soil/imported fill appears to have been imported from multiple sources over several years of separate dumping activities. Based on this, the results for the six (6) soil samples collected and analyzed for this assessment are only representative of the individual soil piles where the soil samples were collected and should not be considered representative of contaminant concentrations for other piles of dumped soil/imported fill at the Site.

Nova recommends that additional soil sampling be completed to appropriately characterize the dumped soil/imported fill for reuse and/or for off-site disposal at an appropriately licensed landfill facility. Based on discussions with a representative from Waste Management; the estimated volume of dumped soil/imported fill observed; and the various soil lithologies observed, it estimated that approximately 100 additional soil samples will need to be collected to sufficiently characterize the dumped soil/imported fill for disposal and/or reuse. Additionally, Nova recommends development of a Soil Management Plan to determine applicable requirements and to establish guidelines for handling, segregating, reuse and/or disposal of the dumped soil/imported fill identified at the Site.

Additionally, Nova recommends removal and disposal of the household trash, tires, and other debris observed throughout the northern and eastern portions of the Site.

5.0 STANDARD OF CARE

The services performed by Nova on this project have been conducted with that level of care and skill ordinarily exercised by reputable members of the profession, practicing in the same locality, under similar budget and time constraints. No other warranty is expressed or intended.

This document was prepared exclusively for the use or benefit of those listed on the Title page of this report. Reliance or use by any other third party without explicit written authorization from Nova will be at the third party's own risk. No warranties or representations, express or implied, are made to any such third party.

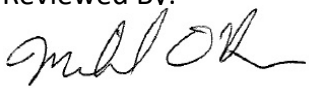
We appreciate the opportunity to provide this service. If you have any questions regarding this report, please contact us.

Nova Group, GBC

Prepared by:

Robert L. Greene, PE
Senior Project Manager

Reviewed By:



Michael O'Brien, R.G.
Registered Geologist (RG #5844)

Vanessa Chambers
Senior Vice President – Sothern Regional Manager

FIGURES

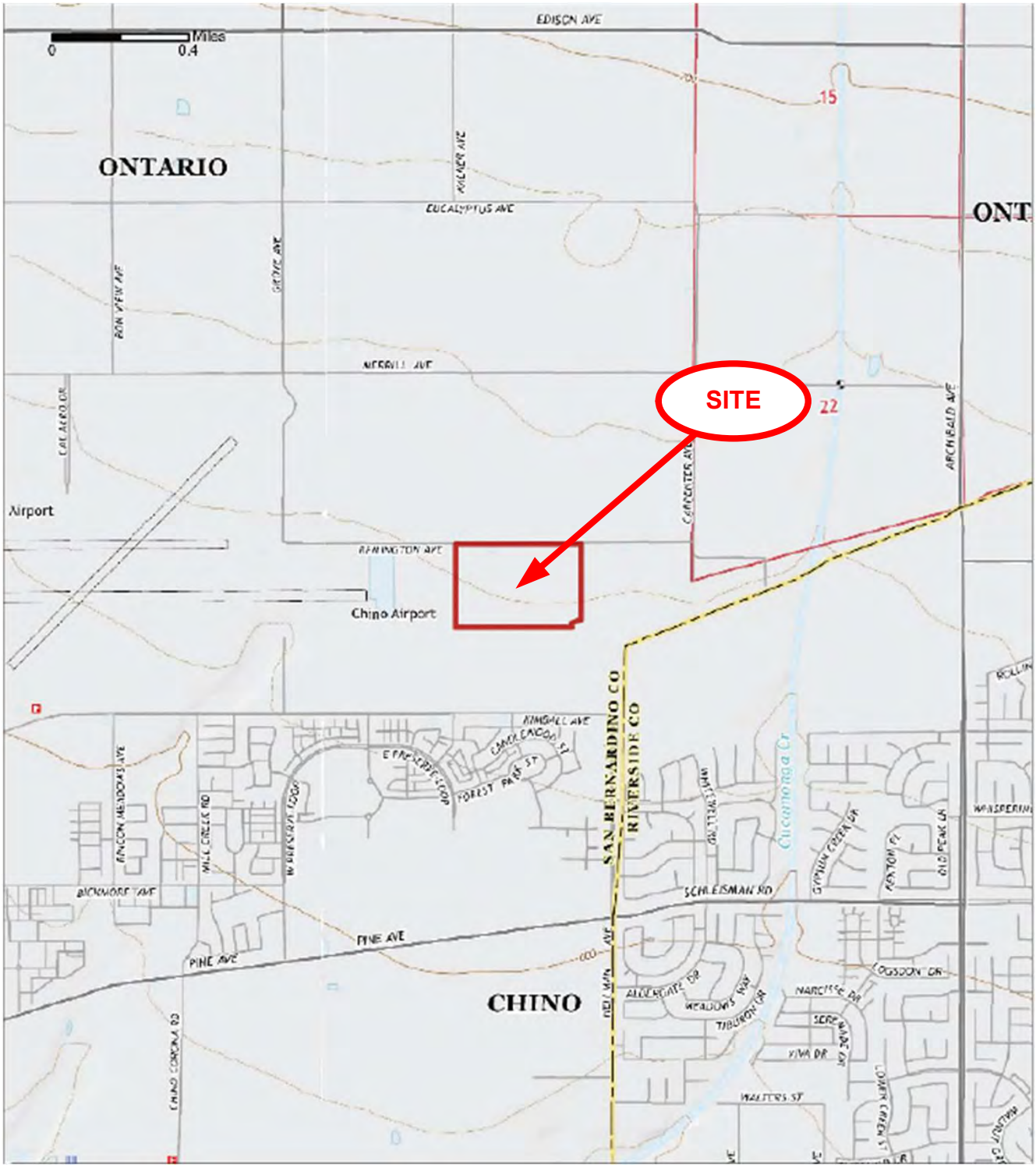
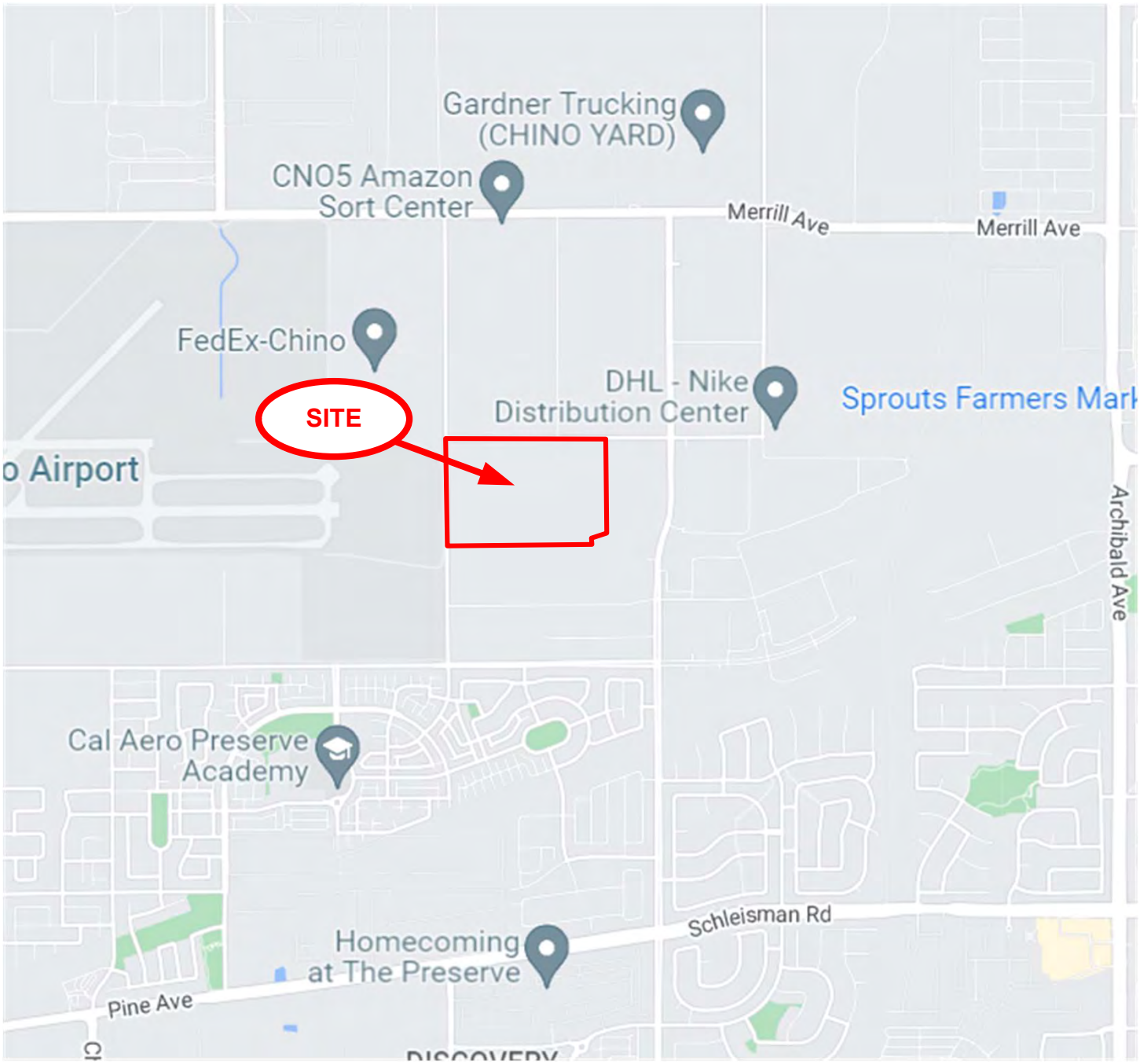


FIGURE 1 - TOPOGRAPHIC MAP
Majestic Chino Flight
Southeast Corner of Flight Avenue and Remington Avenue
Chino, CA 91710
NOVA PROJ. # V22-3615

Nova Group

Source: USGS 7.5 Minute Topographic Map Corona North, CA

Quadrangle 2015



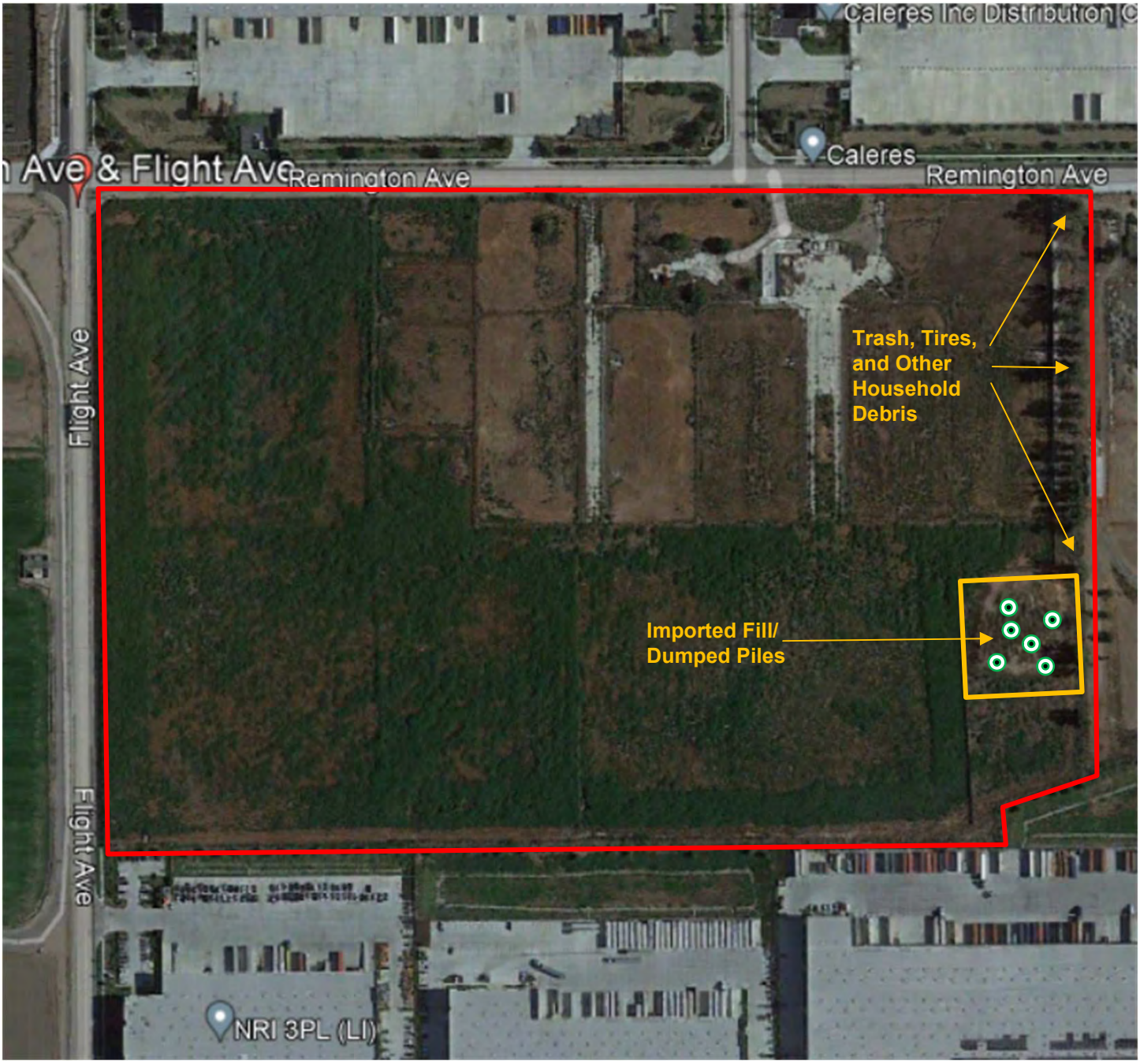
Source: Google Maps

N
W E
S

FIGURE 2 – SITE LOCATION MAP
Majestic Chino Flight
Southeast Corner of Flight Avenue and Remington Avenue
Chino, CA 91710
NOVA PROJ. # V22-3615

Nova Group

2022



Source: Google Maps

- Approximate Site Boundary

- Soil Boring (Approximate Locations)

N
W
E
S

Approximate Scale (feet)

0 300 600

FIGURE 3 - SAMPLE LOCATION MAP
Majestic Chino Flight School
SEC of Flight Avenue and Remington Avenue
Chino, CA 91710
NOVA Project No. V22-3615

Nova Group

2022

Source: Google Maps

- Approximate Site Boundary

- Soil Boring
(Approximate Locations)

N
W
E
S

Approximate Scale (feet)

0 40 80

FIGURE 4 - SAMPLE LOCATION MAP (ZOOMED VIEW)
Majestic Chino Flight School
SEC of Flight Avenue and Remington Avenue
Chino, CA 91710
NOVA Project No. V22-3615

Nova Group

2022

TABLE

Table 1
Summary of Soil Sample Analytical Results
Majestic Chino Flight
Southeast Corner of Flight Avenue and Remington Avenue
Chino, California 91710
Nova Project No. V22-3615

Lab Sample ID				L1483111-01	L1483111-02	L1483111-03	L1483111-04	L1483111-05	L1483111-06
Project Sample ID				SB-1-5	SB-2-5	SB-3-6	SB-4-3	SB-5-7	SB-6-5
Date Collected				04/13/2022	04/13/2022	04/13/2022	04/13/2022	04/13/2022	04/13/2022
Analyte	**CA San Francisco Bay RWQCB Soil ESLs - Tier 1 ESL (2019 Rev. 2) (mg/kg)**	**CA DTSC - Naturally Occurring Concentrations of Inorganic Chemicals in Soil at California Airforce Installations - Soil Background Levels (mg/kg)**	**USGS San Bernardino County - Background Metals Concentrations (mg/kg)**	Result	Result	**Result**	Result	Result	Result
California Code of Regulations (CCR) Title 22 Metals using EPA Method 6010/7470									
ARSENIC	0.067	2.6 - 45.9	3.892 - 10.125	**6.85**	**4.78**	<2.00	**2.97**	**10.3**	**6.09**
BARIUM	5	97 - 655	NE	**134**	**99.2**	**98.9**	**142**	**215**	**140**
CADMIUM	1.9	<0.5 - 5.2	NE	**3.39**	<0.500	**0.587**	**1.27**	**0.532**	<0.500
CHROMIUM	160	12 - 92.5	NE	**28.4**	**17.5**	**22.5**	**18.7**	**27.3**	**21**
COBALT	23	7.2 - 36.7	NE	**8.22**	**5.43**	**7.74**	**5.23**	**14.6**	**8.53**
COPPER	180	11 - 167	1.923 - 782.178	**28.3**	**15.2**	**22.2**	**22.8**	**44.5**	**26.1**
LEAD	32	2.9 - 71.6	6.503 - 3938.540	**6.73**	**6.7**	**56.8**	**5.13**	**32.3**	**10.8**
MOLYBDENUM	6.9	<2 - 26	NE	**7.07**	<0.500	<0.500	**5.61**	<0.500	**0.625**
NICKEL	86	7.4 - 59.8	NE	**34**	**11.9**	**14.3**	**21.3**	**24.4**	**16.3**
VANADIUM	18	34 - 130	NE	**71.2**	**34.9**	**41.6**	**46.3**	**70.4**	**41.4**
ZINC	340	35.1 - 270	25.992 - 2814.940	**71.9**	**47**	**122**	**71**	**86**	**65.6**
MERCURY	13	<0.1 - 0.3	0.01 - 1.320	**0.0655**	<0.0400	<0.0400	<0.0400	**0.2**	**0.0639**
California - Total Petroleum Hydrocarbons (TPH) by 8015/6260/8270 (mg/kg)									
C5-C12 HYDROCARBONS (TPHg)	100	NE	NE	<2.78	<2.60	<2.50	**4.38 B**	<2.60	<2.63
C22-C32 HYDROCARBONS (TPHo)	1600	NE	NE	**9.69**	**6.53**	**6.66**	**51.6**	**4.8**	**7.49**
C32-C40 HYDROCARBONS (TPHro)	1600	NE	NE	**8**	**8.36**	**6.1**	**90.6**	**5.25**	**8.95**
Volatile Organic Compounds (VOCs) by USEPA Method 8260									
XYLENES, TOTAL	2.1	NE	NE	**0.00824**	<0.00663	<0.00650	<0.00760	<0.00715	<0.00735

Only analytes detected in at least one sample at a concentration above the laboratory reported detection limit (RDL) are included in this table.
PCBs, Pesticides, and C12-C22 Hydrocarbons (TPHd) were not detected in soil samples at concentrations above laboratory RDLs
Refer to the complete laboratory report for remaining laboratory analytical results.

SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
ESLs	Environmental Screening Levels
USGS	United States Geological Survey
DTSC	Department of Toxic Substances Control
NE	Not Established/Not Applicable
B	The same analyte is found in the associated blank.
TPHg	Total Petroleum Hydrocarbons - Gasoline Range Organic Compounds
TPHo	Total Petroleum Hydrocarbons - Oil Range Organic Compounds
TPHro	Total Petroleum Hydrocarbons - Residual Oil Range Organic Compounds
Bold	Analyte detected at a concentration exceeding the Reported Detection Limit (RDL)
	Analyte detected at a concentration exceeding the CA SFBRWQCB Soil ESL - Tier 1 ESL (2019 Rev. 2)
	Analyte detected at a concentration exceeding the CA San Francisco Bay RWQCB Soil ESL - Commercial/Industrial: Shallow Soil Exposure ESL - Cancer Risk (2019 Rev. 2)
	Analyte detected at a concentration exceeding the CA San Francisco Bay RWQCB Soil ESL - Commercial/Industrial: Shallow Soil Exposure ESL - Non-Cancer Hazard (2019 Rev. 2)
	Analyte detected at a concentration exceeding the CA DTSC - Soil Background Levels
	Analyte detected at a concentration exceeding the USGS Fresno County - Background Metals Mean Concentrations

APPENDIX A

GOOGLE EARTH – HISTORICAL AERIAL PHOTOGRAPHS

1. Google Earth image showing dumped soil/fill in the southeast portion of the Site – August 2021

2. Google Earth image showing dumped soil/fill in the southeast portion of the Site – May 2019

3. Google Earth image showing dumped soil/fill in the southeast portion of the Site – August 2018

4. Google Earth image showing dumped soil/fill in the southeast portion of the Site – February 2018

5. Google Earth image showing dumped soil/fill in the southeast portion of the Site – December 2017

6. Google Earth image showing dumped soil/fill in the southeast portion of the Site – March 2017

7. Google Earth image showing dumped soil/fill in the southeast portion of the Site – February 2016

8. Google Earth image showing dumped soil/fill in the southeast portion of the Site – March 2015

9. Google Earth image showing dumped soil/fill in the southeast portion of the Site – November 2013

10. Google Earth image showing dumped soil/fill in the southeast portion of the Site – November 2009

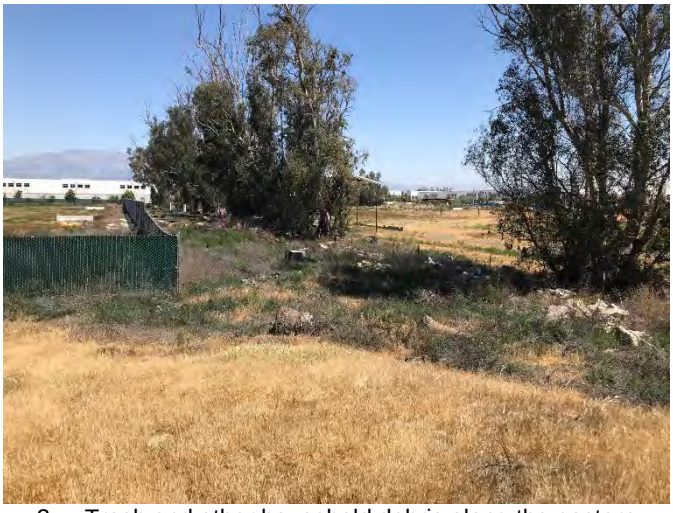
11. Google Earth image showing dumped soil/fill in the southeast portion of the Site – October 2007

12. Google Earth image showing dumped soil/fill in the southeast portion of the Site – October 2003

APPENDIX B

PHOTOGRAPHIC DOCUMENTATION

1. Trash and other household debris along the eastern boundary of the Site facing south from the northeast corner of the Site



2. Trash and other household debris along the eastern boundary of the Site facing north the southeast portion of the Site

3. View of dumped soil/fill in the southeast portion of the Site facing north from the southern portion of the Site

4. Hand auger soil boring SB-1 in the southeast portion of the piles of dumped soil/fill

5. Hand auger soil boring SB-2 in the central portion of the piles of dumped soil/fill

6. Hand auger soil boring SB-3 in the southwest portion of the piles of dumped soil/fill

7. Hand auger soil boring SB-4 in the northeast portion of the piles of dumped soil/fill

8. Hand auger soil boring SB-5 in the central portion of the piles of dumped soil/fill

9. Soil boring SB-6 in the northwest portion of the piles of dumped soil/fill

APPENDIX C

SOIL BORING LOGS

LOG OF BORING SB-1

SEC Flight Avenue and Remington Avenue
Chino, CA 91710
Limited Subsurface Investigation

Project # V22-3615

Date Started	: May 13, 2022	PID	: miniRAE
Drilling Company	: Nova	PID Lamp	: 10.6 eV
Hole Diameter	: 4 Inches	Temp Well Type	: N/A
Drilling Method	: Hand Auger	Weather	: Clear, 73 F
Sampling Method	: Grab	Logged By	: Robert Greene

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0					SILT with angular GRAVEL, light beige, dry, dense		
1				0.0			
2				0.0			
			ML				
3				0.0			
4				0.0			
5	SB-1-5'			0.0	END OF BORING - HAND AUGER REFUSAL AT 5 FEET BGS		
6							

LOG OF BORING SB-2

SEC Flight Avenue and Remington Avenue
Chino, CA 91710
Limited Subsurface Investigation

Project # V22-3615

Date Started	: May 13, 2022	PID	: miniRAE
Drilling Company	: Nova	PID Lamp	: 10.6 eV
Hole Diameter	: 4 Inches	Temp Well Type	: N/A
Drilling Method	: Hand Auger	Weather	: Clear, 73 F
Sampling Method	: Grab	Logged By	: Robert Greene

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0					SILTY SAND, trace subrounded GRAVEL, light greyish brown, dry, dense		
1				0.0			
2				0.0			
3			SM	0.0			
4				0.0			
5	SB-2-5'			0.0	END OF BORING - HAND AUGER REFUSAL AT 5 FEET BGS		
6							

LOG OF BORING SB-3

SEC Flight Avenue and Remington Avenue
Chino, CA 91710
Limited Subsurface Investigation

Project # V22-3615

Date Started	: May 13, 2022	PID	: miniRAE
Drilling Company	: Nova	PID Lamp	: 10.6 eV
Hole Diameter	: 4 Inches	Temp Well Type	: N/A
Drilling Method	: Hand Auger	Weather	: Clear, 73 F
Sampling Method	: Grab	Logged By	: Robert Greene

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0					SILTY SAND trace subangular GRAVEL, light brown, dry, dense		
1				0.0			
2				0.0			
3			SM	0.0			
4				0.0			
5				0.0			
6	SB-3-6'			0.0	END OF BORING - HAND AUGER REFUSAL AT 6 FEET BGS		
7							

LOG OF BORING SB-4

SEC Flight Avenue and Remington Avenue
Chino, CA 91710
Limited Subsurface Investigation

Project # V22-3615

Date Started	: May 13, 2022	PID	: miniRAE
Drilling Company	: Nova	PID Lamp	: 10.6 eV
Hole Diameter	: 4 Inches	Temp Well Type	: N/A
Drilling Method	: Hand Auger	Weather	: Clear, 73 F
Sampling Method	: Grab	Logged By	: Robert Greene

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0					SILTY SAND, brown, dry, dense		
1			SM	0.0			
2				0.0			
3	SB-4-3'			0.0	END OF BORING - HAND AUGER REFUSAL AT 3 FEET BGS		
4							

LOG OF BORING SB-5

SEC Flight Avenue and Remington Avenue
Chino, CA 91710
Limited Subsurface Investigation

Project # V22-3615

Date Started	: May 13, 2022	PID	: miniRAE
Drilling Company	: Nova	PID Lamp	: 10.6 eV
Hole Diameter	: 4 Inches	Temp Well Type	: N/A
Drilling Method	: Hand Auger	Weather	: Clear, 73 F
Sampling Method	: Grab	Logged By	: Robert Greene

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0					SILTY SAND, light brown, dry, dense		
1				0.0			
2				0.0			
3			SM	0.0			
4				0.0			
5				0.0			
6				0.0			
7	SB-5-7'			0.0	END OF BORING - HAND AUGER REFUSAL AT 7 FEET BGS		
8							

LOG OF BORING SB-6

SEC Flight Avenue and Remington Avenue
Chino, CA 91710
Limited Subsurface Investigation

Project # V22-3615

Date Started	: May 13, 2022	PID	: miniRAE
Drilling Company	: Nova	PID Lamp	: 10.6 eV
Hole Diameter	: 4 Inches	Temp Well Type	: N/A
Drilling Method	: Hand Auger	Weather	: Clear, 73 F
Sampling Method	: Grab	Logged By	: Robert Greene

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0					SILTY SAND, light greyish brown, dry, dense		
1				0.0			
2				0.0			
3			SM	0.0			
4				0.0			
5	SB-6-5'			0.0	END OF BORING - HAND AUGER REFUSAL AT 5 FEET BGS		
6							

APPENDIX D

LABORATORY ANALYTICAL REPORT

ANALYTICAL REPORT

April 26, 2022

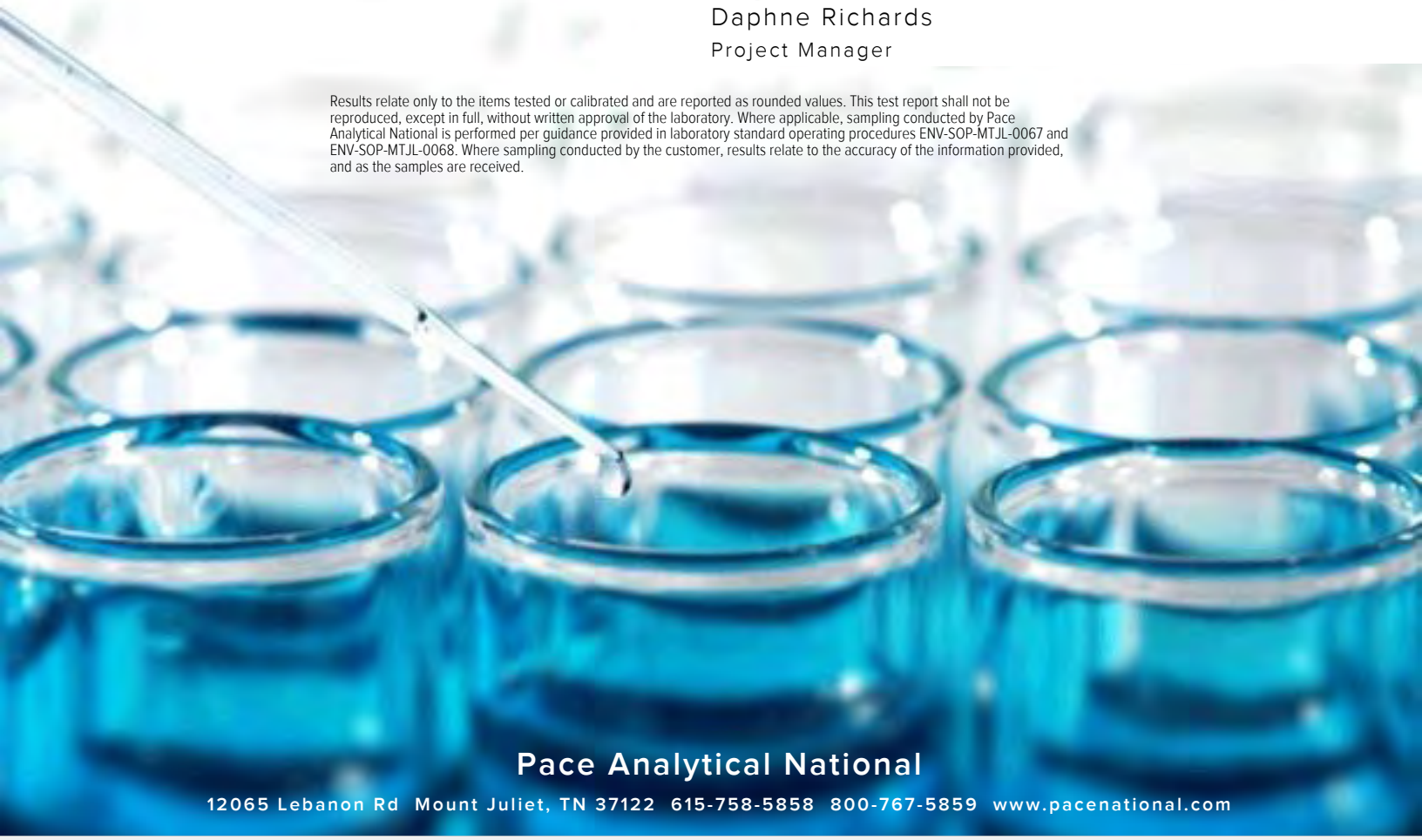
1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Nova Consulting

Sample Delivery Group:	L1483111
Samples Received:	04/15/2022
Project Number:	V22-3615
Description:	Majestic Chino Flight
Site:	SEC OF FLIGHT AVENUE AND REMIN
Report To:	Robert Greene 29633 N. 69th Lane Peoria, AZ 85383

Entire Report Reviewed By: Daphne R Richards

Daphne Richards
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SB-1-5 L1483111-01 Solid

Collected by: Robert G. | Collected date/time: 04/13/22 10:55 | Received date/time: 04/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1849979	1	04/19/22 12:49	04/19/22 13:06	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG1850201	1	04/21/22 08:38	04/22/22 10:00	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1850175	1	04/19/22 16:47	04/25/22 15:52	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1850566	27.8	04/13/22 10:55	04/20/22 17:25	CAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1849772	1.12	04/13/22 10:55	04/17/22 15:29	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1851927	1	04/21/22 08:31	04/21/22 14:47	JAS	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1851569	1	04/20/22 14:34	04/21/22 01:57	AMM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1851569	1	04/20/22 14:34	04/21/22 01:57	AMM	Mt. Juliet, TN

SB-2-5 L1483111-02 Solid

Collected by: Robert G. | Collected date/time: 04/13/22 11:15 | Received date/time: 04/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1849979	1	04/19/22 12:49	04/19/22 13:06	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG1850201	1	04/21/22 08:38	04/22/22 10:03	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1850175	1	04/19/22 16:47	04/25/22 15:55	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1850566	26	04/13/22 11:15	04/20/22 17:48	CAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1849772	1.02	04/13/22 11:15	04/17/22 15:48	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1851927	1	04/21/22 08:31	04/21/22 14:08	JAS	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1851569	1	04/20/22 14:34	04/21/22 02:06	AMM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1851569	1	04/20/22 14:34	04/21/22 02:06	AMM	Mt. Juliet, TN

SB-3-6 L1483111-03 Solid

Collected by: Robert G. | Collected date/time: 04/13/22 11:45 | Received date/time: 04/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1849979	1	04/19/22 12:49	04/19/22 13:06	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG1850201	1	04/21/22 08:38	04/22/22 10:06	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1850175	1	04/19/22 16:47	04/25/22 15:57	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1850566	25	04/13/22 11:45	04/20/22 18:12	CAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1849772	1	04/13/22 11:45	04/17/22 16:08	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1851927	1	04/21/22 08:31	04/21/22 13:43	JAS	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1851569	1	04/20/22 14:34	04/21/22 02:50	AMM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1851569	1	04/20/22 14:34	04/21/22 02:50	AMM	Mt. Juliet, TN

SB-4-3 L1483111-04 Solid

Collected by: Robert G. | Collected date/time: 04/13/22 12:10 | Received date/time: 04/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1849979	1	04/19/22 12:49	04/19/22 13:06	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG1850201	1	04/21/22 08:38	04/22/22 10:08	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1850175	1	04/19/22 16:47	04/25/22 16:00	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1850566	30	04/13/22 12:10	04/20/22 18:36	CAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1849772	1.17	04/13/22 12:10	04/17/22 16:27	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1851927	1	04/21/22 08:31	04/21/22 14:17	JAS	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

SB-5-7 L1483111-05 Solid

Collected by: Robert G.
Collected date/time: 04/13/22 12:40
Received date/time: 04/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1849979	1	04/19/22 12:49	04/19/22 13:06	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG1850201	1	04/21/22 08:38	04/22/22 10:11	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1850175	1	04/19/22 16:47	04/25/22 16:03	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1850175	5	04/19/22 16:47	04/26/22 11:48	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1849510	26	04/13/22 12:40	04/18/22 19:23	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1849772	1.1	04/13/22 12:40	04/17/22 16:47	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1851927	1	04/21/22 08:31	04/21/22 14:21	JAS	Mt. Juliet, TN

SB-6-5 L1483111-06 Solid

Collected by: Robert G.
Collected date/time: 04/13/22 13:10
Received date/time: 04/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1849979	1	04/19/22 12:49	04/19/22 13:06	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG1850201	1	04/21/22 08:38	04/22/22 10:13	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1850175	1	04/19/22 16:47	04/25/22 16:06	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1850280	26.3	04/13/22 13:10	04/19/22 07:07	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1849772	1.13	04/13/22 13:10	04/17/22 17:06	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1851927	1	04/21/22 08:31	04/21/22 15:00	JAS	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Daphne Richards
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	04/19/2022 13:06	WG1849979

Mercury by Method 7471B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0655		0.0400	1	04/22/2022 10:00	WG1850201

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.00	1	04/25/2022 15:52	WG1850175
Arsenic	6.85		2.00	1	04/25/2022 15:52	WG1850175
Barium	134		0.500	1	04/25/2022 15:52	WG1850175
Beryllium	ND		0.200	1	04/25/2022 15:52	WG1850175
Cadmium	3.39		0.500	1	04/25/2022 15:52	WG1850175
Chromium	28.4		1.00	1	04/25/2022 15:52	WG1850175
Cobalt	8.22		1.00	1	04/25/2022 15:52	WG1850175
Copper	28.3		2.00	1	04/25/2022 15:52	WG1850175
Lead	6.73		0.500	1	04/25/2022 15:52	WG1850175
Molybdenum	7.07		0.500	1	04/25/2022 15:52	WG1850175
Nickel	34.0		2.00	1	04/25/2022 15:52	WG1850175
Selenium	ND		2.00	1	04/25/2022 15:52	WG1850175
Silver	ND		1.00	1	04/25/2022 15:52	WG1850175
Thallium	ND		2.00	1	04/25/2022 15:52	WG1850175
Vanadium	71.2		2.00	1	04/25/2022 15:52	WG1850175
Zinc	71.9		5.00	1	04/25/2022 15:52	WG1850175

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		2.78	27.8	04/20/2022 17:25	WG1850566
(S) a,a,a-Trifluorotoluene(FID)	*98.8*		*77.0-120*		*04/20/2022 17:25*	WG1850566

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0560	1.12	04/17/2022 15:29	WG1849772
Acrylonitrile	ND		0.0140	1.12	04/17/2022 15:29	WG1849772
Benzene	ND		0.00112	1.12	04/17/2022 15:29	WG1849772
Bromobenzene	ND		0.0140	1.12	04/17/2022 15:29	WG1849772
Bromodichloromethane	ND	J4	0.00280	1.12	04/17/2022 15:29	WG1849772
Bromoform	ND		0.0280	1.12	04/17/2022 15:29	WG1849772
Bromomethane	ND		0.0140	1.12	04/17/2022 15:29	WG1849772
n-Butylbenzene	ND		0.0140	1.12	04/17/2022 15:29	WG1849772
sec-Butylbenzene	ND		0.0140	1.12	04/17/2022 15:29	WG1849772
tert-Butylbenzene	ND		0.00560	1.12	04/17/2022 15:29	WG1849772
Carbon tetrachloride	ND	J4	0.00560	1.12	04/17/2022 15:29	WG1849772
Chlorobenzene	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
Chlorodibromomethane	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
Chloroethane	ND		0.00560	1.12	04/17/2022 15:29	WG1849772
Chloroform	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
Chloromethane	ND		0.0140	1.12	04/17/2022 15:29	WG1849772
2-Chlorotoluene	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
4-Chlorotoluene	ND		0.00560	1.12	04/17/2022 15:29	WG1849772

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0280	1.12	04/17/2022 15:29	WG1849772
1,2-Dibromoethane	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
Dibromomethane	ND	J3 J4	0.00560	1.12	04/17/2022 15:29	WG1849772
1,2-Dichlorobenzene	ND		0.00560	1.12	04/17/2022 15:29	WG1849772
1,3-Dichlorobenzene	ND		0.00560	1.12	04/17/2022 15:29	WG1849772
1,4-Dichlorobenzene	ND		0.00560	1.12	04/17/2022 15:29	WG1849772
Dichlorodifluoromethane	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
1,1-Dichloroethane	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
1,2-Dichloroethane	ND	J4	0.00280	1.12	04/17/2022 15:29	WG1849772
1,1-Dichloroethene	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
cis-1,2-Dichloroethene	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
trans-1,2-Dichloroethene	ND		0.00560	1.12	04/17/2022 15:29	WG1849772
1,2-Dichloropropane	ND	J3 J4	0.00560	1.12	04/17/2022 15:29	WG1849772
1,1-Dichloropropene	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
1,3-Dichloropropane	ND		0.00560	1.12	04/17/2022 15:29	WG1849772
cis-1,3-Dichloropropene	ND	J4	0.00280	1.12	04/17/2022 15:29	WG1849772
trans-1,3-Dichloropropene	ND		0.00560	1.12	04/17/2022 15:29	WG1849772
2,2-Dichloropropane	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
Di-isopropyl ether	ND		0.00112	1.12	04/17/2022 15:29	WG1849772
Ethylbenzene	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
Hexachloro-1,3-butadiene	ND		0.0280	1.12	04/17/2022 15:29	WG1849772
Isopropylbenzene	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
p-Isopropyltoluene	ND		0.00560	1.12	04/17/2022 15:29	WG1849772
2-Butanone (MEK)	ND		0.112	1.12	04/17/2022 15:29	WG1849772
Methylene Chloride	ND		0.0280	1.12	04/17/2022 15:29	WG1849772
4-Methyl-2-pentanone (MIBK)	ND		0.0280	1.12	04/17/2022 15:29	WG1849772
Methyl tert-butyl ether	ND		0.00112	1.12	04/17/2022 15:29	WG1849772
Naphthalene	ND		0.0140	1.12	04/17/2022 15:29	WG1849772
n-Propylbenzene	ND		0.00560	1.12	04/17/2022 15:29	WG1849772
Styrene	ND		0.0140	1.12	04/17/2022 15:29	WG1849772
1,1,1,2-Tetrachloroethane	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
1,1,2,2-Tetrachloroethane	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
1,1,2-Trichlorotrifluoroethane	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
Tetrachloroethene	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
Toluene	ND		0.00560	1.12	04/17/2022 15:29	WG1849772
1,2,3-Trichlorobenzene	ND		0.0140	1.12	04/17/2022 15:29	WG1849772
1,2,4-Trichlorobenzene	ND		0.0140	1.12	04/17/2022 15:29	WG1849772
1,1,1-Trichloroethane	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
1,1,2-Trichloroethane	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
Trichloroethene	ND		0.00112	1.12	04/17/2022 15:29	WG1849772
Trichlorofluoromethane	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
1,2,3-Trichloropropane	ND		0.0140	1.12	04/17/2022 15:29	WG1849772
1,2,4-Trimethylbenzene	ND		0.00560	1.12	04/17/2022 15:29	WG1849772
1,2,3-Trimethylbenzene	ND		0.00560	1.12	04/17/2022 15:29	WG1849772
1,3,5-Trimethylbenzene	ND		0.00560	1.12	04/17/2022 15:29	WG1849772
Vinyl chloride	ND		0.00280	1.12	04/17/2022 15:29	WG1849772
Xylenes, Total	0.00824		0.00728	1.12	04/17/2022 15:29	WG1849772
(S) Toluene-d8	*98.0*		*75.0-131*		*04/17/2022 15:29*	WG1849772
(S) 4-Bromofluorobenzene	*88.3*		*67.0-138*		*04/17/2022 15:29*	WG1849772
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*04/17/2022 15:29*	WG1849772

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.00	1	04/21/2022 14:47	WG1851927
C22-C32 Hydrocarbons	9.69		4.00	1	04/21/2022 14:47	WG1851927
C32-C40 Hydrocarbons	8.00		4.00	1	04/21/2022 14:47	WG1851927
(S) o-Terphenyl	*68.3*		*18.0-148*		*04/21/2022 14:47*	WG1851927

Pesticides (GC) by Method 8081

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Aldrin	ND		0.0200	1	04/21/2022 01:57	WG1851569
Alpha BHC	ND		0.0200	1	04/21/2022 01:57	WG1851569
Beta BHC	ND		0.0200	1	04/21/2022 01:57	WG1851569
Delta BHC	ND		0.0200	1	04/21/2022 01:57	WG1851569
Gamma BHC	ND		0.0200	1	04/21/2022 01:57	WG1851569
Chlordane	ND		0.300	1	04/21/2022 01:57	WG1851569
4,4-DDD	ND		0.0200	1	04/21/2022 01:57	WG1851569
4,4-DDE	ND		0.0200	1	04/21/2022 01:57	WG1851569
4,4-DDT	ND		0.0200	1	04/21/2022 01:57	WG1851569
Dieldrin	ND		0.0200	1	04/21/2022 01:57	WG1851569
Endosulfan I	ND		0.0200	1	04/21/2022 01:57	WG1851569
Endosulfan II	ND		0.0200	1	04/21/2022 01:57	WG1851569
Endosulfan sulfate	ND		0.0200	1	04/21/2022 01:57	WG1851569
Endrin	ND		0.0200	1	04/21/2022 01:57	WG1851569
Endrin aldehyde	ND		0.0200	1	04/21/2022 01:57	WG1851569
Endrin ketone	ND		0.0200	1	04/21/2022 01:57	WG1851569
Heptachlor	ND		0.0200	1	04/21/2022 01:57	WG1851569
Heptachlor epoxide	ND		0.0200	1	04/21/2022 01:57	WG1851569
Hexachlorobenzene	ND		0.0200	1	04/21/2022 01:57	WG1851569
Methoxychlor	ND		0.0200	1	04/21/2022 01:57	WG1851569
Toxaphene	ND		0.400	1	04/21/2022 01:57	WG1851569
(S) Decachlorobiphenyl	*85.2*		*10.0-135*		*04/21/2022 01:57*	WG1851569
(S) Tetrachloro-m-xylene	*75.1*		*10.0-139*		*04/21/2022 01:57*	WG1851569

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0340	1	04/21/2022 01:57	WG1851569
PCB 1221	ND		0.0340	1	04/21/2022 01:57	WG1851569
PCB 1232	ND		0.0340	1	04/21/2022 01:57	WG1851569
PCB 1242	ND		0.0340	1	04/21/2022 01:57	WG1851569
PCB 1248	ND		0.0170	1	04/21/2022 01:57	WG1851569
PCB 1254	ND		0.0170	1	04/21/2022 01:57	WG1851569
PCB 1260	ND		0.0170	1	04/21/2022 01:57	WG1851569
(S) Decachlorobiphenyl	*76.3*		*10.0-135*		*04/21/2022 01:57*	WG1851569
(S) Tetrachloro-m-xylene	*76.8*		*10.0-139*		*04/21/2022 01:57*	WG1851569

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.0		1	04/19/2022 13:06	WG1849979

Mercury by Method 7471B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0400	1	04/22/2022 10:03	WG1850201

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.00	1	04/25/2022 15:55	WG1850175
Arsenic	4.78		2.00	1	04/25/2022 15:55	WG1850175
Barium	99.2		0.500	1	04/25/2022 15:55	WG1850175
Beryllium	ND		0.200	1	04/25/2022 15:55	WG1850175
Cadmium	ND		0.500	1	04/25/2022 15:55	WG1850175
Chromium	17.5		1.00	1	04/25/2022 15:55	WG1850175
Cobalt	5.43		1.00	1	04/25/2022 15:55	WG1850175
Copper	15.2		2.00	1	04/25/2022 15:55	WG1850175
Lead	6.70		0.500	1	04/25/2022 15:55	WG1850175
Molybdenum	ND		0.500	1	04/25/2022 15:55	WG1850175
Nickel	11.9		2.00	1	04/25/2022 15:55	WG1850175
Selenium	ND		2.00	1	04/25/2022 15:55	WG1850175
Silver	ND		1.00	1	04/25/2022 15:55	WG1850175
Thallium	ND		2.00	1	04/25/2022 15:55	WG1850175
Vanadium	34.9		2.00	1	04/25/2022 15:55	WG1850175
Zinc	47.0		5.00	1	04/25/2022 15:55	WG1850175

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		2.60	26	04/20/2022 17:48	WG1850566
(S) a,a,a-Trifluorotoluene(FID)	*99.5*		*77.0-120*		*04/20/2022 17:48*	WG1850566

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0510	1.02	04/17/2022 15:48	WG1849772
Acrylonitrile	ND		0.0128	1.02	04/17/2022 15:48	WG1849772
Benzene	ND		0.00102	1.02	04/17/2022 15:48	WG1849772
Bromobenzene	ND		0.0128	1.02	04/17/2022 15:48	WG1849772
Bromodichloromethane	ND	J4	0.00255	1.02	04/17/2022 15:48	WG1849772
Bromoform	ND		0.0255	1.02	04/17/2022 15:48	WG1849772
Bromomethane	ND		0.0128	1.02	04/17/2022 15:48	WG1849772
n-Butylbenzene	ND		0.0128	1.02	04/17/2022 15:48	WG1849772
sec-Butylbenzene	ND		0.0128	1.02	04/17/2022 15:48	WG1849772
tert-Butylbenzene	ND		0.00510	1.02	04/17/2022 15:48	WG1849772
Carbon tetrachloride	ND	J4	0.00510	1.02	04/17/2022 15:48	WG1849772
Chlorobenzene	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
Chlorodibromomethane	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
Chloroethane	ND		0.00510	1.02	04/17/2022 15:48	WG1849772
Chloroform	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
Chloromethane	ND		0.0128	1.02	04/17/2022 15:48	WG1849772
2-Chlorotoluene	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
4-Chlorotoluene	ND		0.00510	1.02	04/17/2022 15:48	WG1849772

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0255	1.02	04/17/2022 15:48	WG1849772
1,2-Dibromoethane	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
Dibromomethane	ND	J3 J4	0.00510	1.02	04/17/2022 15:48	WG1849772
1,2-Dichlorobenzene	ND		0.00510	1.02	04/17/2022 15:48	WG1849772
1,3-Dichlorobenzene	ND		0.00510	1.02	04/17/2022 15:48	WG1849772
1,4-Dichlorobenzene	ND		0.00510	1.02	04/17/2022 15:48	WG1849772
Dichlorodifluoromethane	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
1,1-Dichloroethane	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
1,2-Dichloroethane	ND	J4	0.00255	1.02	04/17/2022 15:48	WG1849772
1,1-Dichloroethene	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
cis-1,2-Dichloroethene	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
trans-1,2-Dichloroethene	ND		0.00510	1.02	04/17/2022 15:48	WG1849772
1,2-Dichloropropane	ND	J3 J4	0.00510	1.02	04/17/2022 15:48	WG1849772
1,1-Dichloropropene	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
1,3-Dichloropropane	ND		0.00510	1.02	04/17/2022 15:48	WG1849772
cis-1,3-Dichloropropene	ND	J4	0.00255	1.02	04/17/2022 15:48	WG1849772
trans-1,3-Dichloropropene	ND		0.00510	1.02	04/17/2022 15:48	WG1849772
2,2-Dichloropropane	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
Di-isopropyl ether	ND		0.00102	1.02	04/17/2022 15:48	WG1849772
Ethylbenzene	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
Hexachloro-1,3-butadiene	ND		0.0255	1.02	04/17/2022 15:48	WG1849772
Isopropylbenzene	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
p-Isopropyltoluene	ND		0.00510	1.02	04/17/2022 15:48	WG1849772
2-Butanone (MEK)	ND		0.102	1.02	04/17/2022 15:48	WG1849772
Methylene Chloride	ND		0.0255	1.02	04/17/2022 15:48	WG1849772
4-Methyl-2-pentanone (MIBK)	ND		0.0255	1.02	04/17/2022 15:48	WG1849772
Methyl tert-butyl ether	ND		0.00102	1.02	04/17/2022 15:48	WG1849772
Naphthalene	ND		0.0128	1.02	04/17/2022 15:48	WG1849772
n-Propylbenzene	ND		0.00510	1.02	04/17/2022 15:48	WG1849772
Styrene	ND		0.0128	1.02	04/17/2022 15:48	WG1849772
1,1,1,2-Tetrachloroethane	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
1,1,2,2-Tetrachloroethane	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
1,1,2-Trichlorotrifluoroethane	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
Tetrachloroethene	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
Toluene	ND		0.00510	1.02	04/17/2022 15:48	WG1849772
1,2,3-Trichlorobenzene	ND		0.0128	1.02	04/17/2022 15:48	WG1849772
1,2,4-Trichlorobenzene	ND		0.0128	1.02	04/17/2022 15:48	WG1849772
1,1,1-Trichloroethane	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
1,1,2-Trichloroethane	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
Trichloroethene	ND		0.00102	1.02	04/17/2022 15:48	WG1849772
Trichlorofluoromethane	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
1,2,3-Trichloropropane	ND		0.0128	1.02	04/17/2022 15:48	WG1849772
1,2,4-Trimethylbenzene	ND		0.00510	1.02	04/17/2022 15:48	WG1849772
1,2,3-Trimethylbenzene	ND		0.00510	1.02	04/17/2022 15:48	WG1849772
1,3,5-Trimethylbenzene	ND		0.00510	1.02	04/17/2022 15:48	WG1849772
Vinyl chloride	ND		0.00255	1.02	04/17/2022 15:48	WG1849772
Xylenes, Total	ND		0.00663	1.02	04/17/2022 15:48	WG1849772
(S) Toluene-d8	*98.3*		*75.0-131*		*04/17/2022 15:48*	WG1849772
(S) 4-Bromofluorobenzene	*88.3*		*67.0-138*		*04/17/2022 15:48*	WG1849772
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*04/17/2022 15:48*	WG1849772

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.00	1	04/21/2022 14:08	WG1851927
C22-C32 Hydrocarbons	6.53		4.00	1	04/21/2022 14:08	WG1851927
C32-C40 Hydrocarbons	8.36		4.00	1	04/21/2022 14:08	WG1851927
(S) o-Terphenyl	*85.5*		*18.0-148*		*04/21/2022 14:08*	WG1851927

Pesticides (GC) by Method 8081

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Aldrin	ND		0.0200	1	04/21/2022 02:06	WG1851569
Alpha BHC	ND		0.0200	1	04/21/2022 02:06	WG1851569
Beta BHC	ND		0.0200	1	04/21/2022 02:06	WG1851569
Delta BHC	ND		0.0200	1	04/21/2022 02:06	WG1851569
Gamma BHC	ND		0.0200	1	04/21/2022 02:06	WG1851569
Chlordane	ND		0.300	1	04/21/2022 02:06	WG1851569
4,4-DDD	ND		0.0200	1	04/21/2022 02:06	WG1851569
4,4-DDE	ND		0.0200	1	04/21/2022 02:06	WG1851569
4,4-DDT	ND		0.0200	1	04/21/2022 02:06	WG1851569
Dieldrin	ND		0.0200	1	04/21/2022 02:06	WG1851569
Endosulfan I	ND		0.0200	1	04/21/2022 02:06	WG1851569
Endosulfan II	ND		0.0200	1	04/21/2022 02:06	WG1851569
Endosulfan sulfate	ND		0.0200	1	04/21/2022 02:06	WG1851569
Endrin	ND		0.0200	1	04/21/2022 02:06	WG1851569
Endrin aldehyde	ND		0.0200	1	04/21/2022 02:06	WG1851569
Endrin ketone	ND		0.0200	1	04/21/2022 02:06	WG1851569
Heptachlor	ND		0.0200	1	04/21/2022 02:06	WG1851569
Heptachlor epoxide	ND		0.0200	1	04/21/2022 02:06	WG1851569
Hexachlorobenzene	ND		0.0200	1	04/21/2022 02:06	WG1851569
Methoxychlor	ND		0.0200	1	04/21/2022 02:06	WG1851569
Toxaphene	ND		0.400	1	04/21/2022 02:06	WG1851569
(S) Decachlorobiphenyl	*68.6*		*10.0-135*		*04/21/2022 02:06*	WG1851569
(S) Tetrachloro-m-xylene	*59.6*		*10.0-139*		*04/21/2022 02:06*	WG1851569

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0340	1	04/21/2022 02:06	WG1851569
PCB 1221	ND		0.0340	1	04/21/2022 02:06	WG1851569
PCB 1232	ND		0.0340	1	04/21/2022 02:06	WG1851569
PCB 1242	ND		0.0340	1	04/21/2022 02:06	WG1851569
PCB 1248	ND		0.0170	1	04/21/2022 02:06	WG1851569
PCB 1254	ND		0.0170	1	04/21/2022 02:06	WG1851569
PCB 1260	ND		0.0170	1	04/21/2022 02:06	WG1851569
(S) Decachlorobiphenyl	*61.2*		*10.0-135*		*04/21/2022 02:06*	WG1851569
(S) Tetrachloro-m-xylene	*61.5*		*10.0-139*		*04/21/2022 02:06*	WG1851569

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.9		1	04/19/2022 13:06	WG1849979

Mercury by Method 7471B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0400	1	04/22/2022 10:06	WG1850201

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.00	1	04/25/2022 15:57	WG1850175
Arsenic	ND		2.00	1	04/25/2022 15:57	WG1850175
Barium	98.9		0.500	1	04/25/2022 15:57	WG1850175
Beryllium	ND		0.200	1	04/25/2022 15:57	WG1850175
Cadmium	0.587		0.500	1	04/25/2022 15:57	WG1850175
Chromium	22.5		1.00	1	04/25/2022 15:57	WG1850175
Cobalt	7.74		1.00	1	04/25/2022 15:57	WG1850175
Copper	22.2		2.00	1	04/25/2022 15:57	WG1850175
Lead	56.8		0.500	1	04/25/2022 15:57	WG1850175
Molybdenum	ND		0.500	1	04/25/2022 15:57	WG1850175
Nickel	14.3		2.00	1	04/25/2022 15:57	WG1850175
Selenium	ND		2.00	1	04/25/2022 15:57	WG1850175
Silver	ND		1.00	1	04/25/2022 15:57	WG1850175
Thallium	ND		2.00	1	04/25/2022 15:57	WG1850175
Vanadium	41.6		2.00	1	04/25/2022 15:57	WG1850175
Zinc	122		5.00	1	04/25/2022 15:57	WG1850175

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		2.50	25	04/20/2022 18:12	WG1850566
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*04/20/2022 18:12*	WG1850566

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0500	1	04/17/2022 16:08	WG1849772
Acrylonitrile	ND		0.0125	1	04/17/2022 16:08	WG1849772
Benzene	ND		0.00100	1	04/17/2022 16:08	WG1849772
Bromobenzene	ND		0.0125	1	04/17/2022 16:08	WG1849772
Bromodichloromethane	ND	J4	0.00250	1	04/17/2022 16:08	WG1849772
Bromoform	ND		0.0250	1	04/17/2022 16:08	WG1849772
Bromomethane	ND		0.0125	1	04/17/2022 16:08	WG1849772
n-Butylbenzene	ND		0.0125	1	04/17/2022 16:08	WG1849772
sec-Butylbenzene	ND		0.0125	1	04/17/2022 16:08	WG1849772
tert-Butylbenzene	ND		0.00500	1	04/17/2022 16:08	WG1849772
Carbon tetrachloride	ND	J4	0.00500	1	04/17/2022 16:08	WG1849772
Chlorobenzene	ND		0.00250	1	04/17/2022 16:08	WG1849772
Chlorodibromomethane	ND		0.00250	1	04/17/2022 16:08	WG1849772
Chloroethane	ND		0.00500	1	04/17/2022 16:08	WG1849772
Chloroform	ND		0.00250	1	04/17/2022 16:08	WG1849772
Chloromethane	ND		0.0125	1	04/17/2022 16:08	WG1849772
2-Chlorotoluene	ND		0.00250	1	04/17/2022 16:08	WG1849772
4-Chlorotoluene	ND		0.00500	1	04/17/2022 16:08	WG1849772

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	04/17/2022 16:08	WG1849772
1,2-Dibromoethane	ND		0.00250	1	04/17/2022 16:08	WG1849772
Dibromomethane	ND	J3 J4	0.00500	1	04/17/2022 16:08	WG1849772
1,2-Dichlorobenzene	ND		0.00500	1	04/17/2022 16:08	WG1849772
1,3-Dichlorobenzene	ND		0.00500	1	04/17/2022 16:08	WG1849772
1,4-Dichlorobenzene	ND		0.00500	1	04/17/2022 16:08	WG1849772
Dichlorodifluoromethane	ND		0.00250	1	04/17/2022 16:08	WG1849772
1,1-Dichloroethane	ND		0.00250	1	04/17/2022 16:08	WG1849772
1,2-Dichloroethane	ND	J4	0.00250	1	04/17/2022 16:08	WG1849772
1,1-Dichloroethene	ND		0.00250	1	04/17/2022 16:08	WG1849772
cis-1,2-Dichloroethene	ND		0.00250	1	04/17/2022 16:08	WG1849772
trans-1,2-Dichloroethene	ND		0.00500	1	04/17/2022 16:08	WG1849772
1,2-Dichloropropane	ND	J3 J4	0.00500	1	04/17/2022 16:08	WG1849772
1,1-Dichloropropene	ND		0.00250	1	04/17/2022 16:08	WG1849772
1,3-Dichloropropane	ND		0.00500	1	04/17/2022 16:08	WG1849772
cis-1,3-Dichloropropene	ND	J4	0.00250	1	04/17/2022 16:08	WG1849772
trans-1,3-Dichloropropene	ND		0.00500	1	04/17/2022 16:08	WG1849772
2,2-Dichloropropane	ND		0.00250	1	04/17/2022 16:08	WG1849772
Di-isopropyl ether	ND		0.00100	1	04/17/2022 16:08	WG1849772
Ethylbenzene	ND		0.00250	1	04/17/2022 16:08	WG1849772
Hexachloro-1,3-butadiene	ND		0.0250	1	04/17/2022 16:08	WG1849772
Isopropylbenzene	ND		0.00250	1	04/17/2022 16:08	WG1849772
p-Isopropyltoluene	ND		0.00500	1	04/17/2022 16:08	WG1849772
2-Butanone (MEK)	ND		0.100	1	04/17/2022 16:08	WG1849772
Methylene Chloride	ND		0.0250	1	04/17/2022 16:08	WG1849772
4-Methyl-2-pentanone (MIBK)	ND		0.0250	1	04/17/2022 16:08	WG1849772
Methyl tert-butyl ether	ND		0.00100	1	04/17/2022 16:08	WG1849772
Naphthalene	ND		0.0125	1	04/17/2022 16:08	WG1849772
n-Propylbenzene	ND		0.00500	1	04/17/2022 16:08	WG1849772
Styrene	ND		0.0125	1	04/17/2022 16:08	WG1849772
1,1,1,2-Tetrachloroethane	ND		0.00250	1	04/17/2022 16:08	WG1849772
1,1,2,2-Tetrachloroethane	ND		0.00250	1	04/17/2022 16:08	WG1849772
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	04/17/2022 16:08	WG1849772
Tetrachloroethene	ND		0.00250	1	04/17/2022 16:08	WG1849772
Toluene	ND		0.00500	1	04/17/2022 16:08	WG1849772
1,2,3-Trichlorobenzene	ND		0.0125	1	04/17/2022 16:08	WG1849772
1,2,4-Trichlorobenzene	ND		0.0125	1	04/17/2022 16:08	WG1849772
1,1,1-Trichloroethane	ND		0.00250	1	04/17/2022 16:08	WG1849772
1,1,2-Trichloroethane	ND		0.00250	1	04/17/2022 16:08	WG1849772
Trichloroethene	ND		0.00100	1	04/17/2022 16:08	WG1849772
Trichlorofluoromethane	ND		0.00250	1	04/17/2022 16:08	WG1849772
1,2,3-Trichloropropane	ND		0.0125	1	04/17/2022 16:08	WG1849772
1,2,4-Trimethylbenzene	ND		0.00500	1	04/17/2022 16:08	WG1849772
1,2,3-Trimethylbenzene	ND		0.00500	1	04/17/2022 16:08	WG1849772
1,3,5-Trimethylbenzene	ND		0.00500	1	04/17/2022 16:08	WG1849772
Vinyl chloride	ND		0.00250	1	04/17/2022 16:08	WG1849772
Xylenes, Total	ND		0.00650	1	04/17/2022 16:08	WG1849772
(S) Toluene-d8	*95.4*		*75.0-131*		*04/17/2022 16:08*	WG1849772
(S) 4-Bromofluorobenzene	*87.5*		*67.0-138*		*04/17/2022 16:08*	WG1849772
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*04/17/2022 16:08*	WG1849772

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.00	1	04/21/2022 13:43	WG1851927
C22-C32 Hydrocarbons	6.66		4.00	1	04/21/2022 13:43	WG1851927
C32-C40 Hydrocarbons	6.10		4.00	1	04/21/2022 13:43	WG1851927
(S) o-Terphenyl	*71.7*		*18.0-148*		*04/21/2022 13:43*	WG1851927

Pesticides (GC) by Method 8081

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Aldrin	ND		0.0200	1	04/21/2022 02:50	WG1851569
Alpha BHC	ND		0.0200	1	04/21/2022 02:50	WG1851569
Beta BHC	ND		0.0200	1	04/21/2022 02:50	WG1851569
Delta BHC	ND		0.0200	1	04/21/2022 02:50	WG1851569
Gamma BHC	ND		0.0200	1	04/21/2022 02:50	WG1851569
Chlordane	ND		0.300	1	04/21/2022 02:50	WG1851569
4,4-DDD	ND		0.0200	1	04/21/2022 02:50	WG1851569
4,4-DDE	ND		0.0200	1	04/21/2022 02:50	WG1851569
4,4-DDT	ND		0.0200	1	04/21/2022 02:50	WG1851569
Dieldrin	ND		0.0200	1	04/21/2022 02:50	WG1851569
Endosulfan I	ND		0.0200	1	04/21/2022 02:50	WG1851569
Endosulfan II	ND		0.0200	1	04/21/2022 02:50	WG1851569
Endosulfan sulfate	ND		0.0200	1	04/21/2022 02:50	WG1851569
Endrin	ND		0.0200	1	04/21/2022 02:50	WG1851569
Endrin aldehyde	ND		0.0200	1	04/21/2022 02:50	WG1851569
Endrin ketone	ND		0.0200	1	04/21/2022 02:50	WG1851569
Heptachlor	ND		0.0200	1	04/21/2022 02:50	WG1851569
Heptachlor epoxide	ND		0.0200	1	04/21/2022 02:50	WG1851569
Hexachlorobenzene	ND		0.0200	1	04/21/2022 02:50	WG1851569
Methoxychlor	ND		0.0200	1	04/21/2022 02:50	WG1851569
Toxaphene	ND		0.400	1	04/21/2022 02:50	WG1851569
(S) Decachlorobiphenyl	*82.5*		*10.0-135*		*04/21/2022 02:50*	WG1851569
(S) Tetrachloro-m-xylene	*73.4*		*10.0-139*		*04/21/2022 02:50*	WG1851569

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0340	1	04/21/2022 02:50	WG1851569
PCB 1221	ND		0.0340	1	04/21/2022 02:50	WG1851569
PCB 1232	ND		0.0340	1	04/21/2022 02:50	WG1851569
PCB 1242	ND		0.0340	1	04/21/2022 02:50	WG1851569
PCB 1248	ND		0.0170	1	04/21/2022 02:50	WG1851569
PCB 1254	ND		0.0170	1	04/21/2022 02:50	WG1851569
PCB 1260	ND		0.0170	1	04/21/2022 02:50	WG1851569
(S) Decachlorobiphenyl	*77.6*		*10.0-135*		*04/21/2022 02:50*	WG1851569
(S) Tetrachloro-m-xylene	*76.4*		*10.0-139*		*04/21/2022 02:50*	WG1851569

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.7		1	04/19/2022 13:06	WG1849979

Mercury by Method 7471B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0400	1	04/22/2022 10:08	WG1850201

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.00	1	04/25/2022 16:00	WG1850175
Arsenic	2.97		2.00	1	04/25/2022 16:00	WG1850175
Barium	142		0.500	1	04/25/2022 16:00	WG1850175
Beryllium	ND		0.200	1	04/25/2022 16:00	WG1850175
Cadmium	1.27		0.500	1	04/25/2022 16:00	WG1850175
Chromium	18.7		1.00	1	04/25/2022 16:00	WG1850175
Cobalt	5.23		1.00	1	04/25/2022 16:00	WG1850175
Copper	22.8		2.00	1	04/25/2022 16:00	WG1850175
Lead	5.13		0.500	1	04/25/2022 16:00	WG1850175
Molybdenum	5.61		0.500	1	04/25/2022 16:00	WG1850175
Nickel	21.3		2.00	1	04/25/2022 16:00	WG1850175
Selenium	ND		2.00	1	04/25/2022 16:00	WG1850175
Silver	ND		1.00	1	04/25/2022 16:00	WG1850175
Thallium	ND		2.00	1	04/25/2022 16:00	WG1850175
Vanadium	46.3		2.00	1	04/25/2022 16:00	WG1850175
Zinc	71.0		5.00	1	04/25/2022 16:00	WG1850175

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	4.38	B	3.00	30	04/20/2022 18:36	WG1850566
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*04/20/2022 18:36*	WG1850566

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0585	1.17	04/17/2022 16:27	WG1849772
Acrylonitrile	ND		0.0146	1.17	04/17/2022 16:27	WG1849772
Benzene	ND		0.00117	1.17	04/17/2022 16:27	WG1849772
Bromobenzene	ND		0.0146	1.17	04/17/2022 16:27	WG1849772
Bromodichloromethane	ND	J4	0.00293	1.17	04/17/2022 16:27	WG1849772
Bromoform	ND		0.0293	1.17	04/17/2022 16:27	WG1849772
Bromomethane	ND		0.0146	1.17	04/17/2022 16:27	WG1849772
n-Butylbenzene	ND		0.0146	1.17	04/17/2022 16:27	WG1849772
sec-Butylbenzene	ND		0.0146	1.17	04/17/2022 16:27	WG1849772
tert-Butylbenzene	ND		0.00585	1.17	04/17/2022 16:27	WG1849772
Carbon tetrachloride	ND	J4	0.00585	1.17	04/17/2022 16:27	WG1849772
Chlorobenzene	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
Chlorodibromomethane	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
Chloroethane	ND		0.00585	1.17	04/17/2022 16:27	WG1849772
Chloroform	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
Chloromethane	ND		0.0146	1.17	04/17/2022 16:27	WG1849772
2-Chlorotoluene	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
4-Chlorotoluene	ND		0.00585	1.17	04/17/2022 16:27	WG1849772

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0293	1.17	04/17/2022 16:27	WG1849772
1,2-Dibromoethane	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
Dibromomethane	ND	J3 J4	0.00585	1.17	04/17/2022 16:27	WG1849772
1,2-Dichlorobenzene	ND		0.00585	1.17	04/17/2022 16:27	WG1849772
1,3-Dichlorobenzene	ND		0.00585	1.17	04/17/2022 16:27	WG1849772
1,4-Dichlorobenzene	ND		0.00585	1.17	04/17/2022 16:27	WG1849772
Dichlorodifluoromethane	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
1,1-Dichloroethane	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
1,2-Dichloroethane	ND	J4	0.00293	1.17	04/17/2022 16:27	WG1849772
1,1-Dichloroethene	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
cis-1,2-Dichloroethene	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
trans-1,2-Dichloroethene	ND		0.00585	1.17	04/17/2022 16:27	WG1849772
1,2-Dichloropropane	ND	J3 J4	0.00585	1.17	04/17/2022 16:27	WG1849772
1,1-Dichloropropene	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
1,3-Dichloropropane	ND		0.00585	1.17	04/17/2022 16:27	WG1849772
cis-1,3-Dichloropropene	ND	J4	0.00293	1.17	04/17/2022 16:27	WG1849772
trans-1,3-Dichloropropene	ND		0.00585	1.17	04/17/2022 16:27	WG1849772
2,2-Dichloropropane	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
Di-isopropyl ether	ND		0.00117	1.17	04/17/2022 16:27	WG1849772
Ethylbenzene	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
Hexachloro-1,3-butadiene	ND		0.0293	1.17	04/17/2022 16:27	WG1849772
Isopropylbenzene	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
p-Isopropyltoluene	ND		0.00585	1.17	04/17/2022 16:27	WG1849772
2-Butanone (MEK)	ND		0.117	1.17	04/17/2022 16:27	WG1849772
Methylene Chloride	ND		0.0293	1.17	04/17/2022 16:27	WG1849772
4-Methyl-2-pentanone (MIBK)	ND		0.0293	1.17	04/17/2022 16:27	WG1849772
Methyl tert-butyl ether	ND		0.00117	1.17	04/17/2022 16:27	WG1849772
Naphthalene	ND		0.0146	1.17	04/17/2022 16:27	WG1849772
n-Propylbenzene	ND		0.00585	1.17	04/17/2022 16:27	WG1849772
Styrene	ND		0.0146	1.17	04/17/2022 16:27	WG1849772
1,1,1,2-Tetrachloroethane	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
1,1,2,2-Tetrachloroethane	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
1,1,2-Trichlorotrifluoroethane	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
Tetrachloroethene	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
Toluene	ND		0.00585	1.17	04/17/2022 16:27	WG1849772
1,2,3-Trichlorobenzene	ND		0.0146	1.17	04/17/2022 16:27	WG1849772
1,2,4-Trichlorobenzene	ND		0.0146	1.17	04/17/2022 16:27	WG1849772
1,1,1-Trichloroethane	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
1,1,2-Trichloroethane	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
Trichloroethene	ND		0.00117	1.17	04/17/2022 16:27	WG1849772
Trichlorofluoromethane	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
1,2,3-Trichloropropane	ND		0.0146	1.17	04/17/2022 16:27	WG1849772
1,2,4-Trimethylbenzene	ND		0.00585	1.17	04/17/2022 16:27	WG1849772
1,2,3-Trimethylbenzene	ND		0.00585	1.17	04/17/2022 16:27	WG1849772
1,3,5-Trimethylbenzene	ND		0.00585	1.17	04/17/2022 16:27	WG1849772
Vinyl chloride	ND		0.00293	1.17	04/17/2022 16:27	WG1849772
Xylenes, Total	ND		0.00760	1.17	04/17/2022 16:27	WG1849772
(S) Toluene-d8	*99.2*		*75.0-131*		*04/17/2022 16:27*	WG1849772
(S) 4-Bromofluorobenzene	*89.5*		*67.0-138*		*04/17/2022 16:27*	WG1849772
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*04/17/2022 16:27*	WG1849772

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.00	1	04/21/2022 14:17	WG1851927
C22-C32 Hydrocarbons	51.6		4.00	1	04/21/2022 14:17	WG1851927
C32-C40 Hydrocarbons	90.6		4.00	1	04/21/2022 14:17	WG1851927
(S) o-Terphenyl	*54.5*		*18.0-148*		*04/21/2022 14:17*	WG1851927

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.3		1	04/19/2022 13:06	WG1849979

Mercury by Method 7471B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.200		0.0400	1	04/22/2022 10:11	WG1850201

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.00	1	04/25/2022 16:03	WG1850175
Arsenic	10.3		2.00	1	04/25/2022 16:03	WG1850175
Barium	215		0.500	1	04/25/2022 16:03	WG1850175
Beryllium	ND		1.00	5	04/26/2022 11:48	WG1850175
Cadmium	0.532		0.500	1	04/25/2022 16:03	WG1850175
Chromium	27.3		1.00	1	04/25/2022 16:03	WG1850175
Cobalt	14.6		1.00	1	04/25/2022 16:03	WG1850175
Copper	44.5		2.00	1	04/25/2022 16:03	WG1850175
Lead	32.3		0.500	1	04/25/2022 16:03	WG1850175
Molybdenum	ND		0.500	1	04/25/2022 16:03	WG1850175
Nickel	24.4		2.00	1	04/25/2022 16:03	WG1850175
Selenium	ND		2.00	1	04/25/2022 16:03	WG1850175
Silver	ND		1.00	1	04/25/2022 16:03	WG1850175
Thallium	ND		2.00	1	04/25/2022 16:03	WG1850175
Vanadium	70.4		2.00	1	04/25/2022 16:03	WG1850175
Zinc	86.0		5.00	1	04/25/2022 16:03	WG1850175

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		2.60	26	04/18/2022 19:23	WG1849510
(S) a,a,a-Trifluorotoluene(FID)	*98.6*		*77.0-120*		*04/18/2022 19:23*	WG1849510

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0550	1.1	04/17/2022 16:47	WG1849772
Acrylonitrile	ND		0.0138	1.1	04/17/2022 16:47	WG1849772
Benzene	ND		0.00110	1.1	04/17/2022 16:47	WG1849772
Bromobenzene	ND		0.0138	1.1	04/17/2022 16:47	WG1849772
Bromodichloromethane	ND	J4	0.00275	1.1	04/17/2022 16:47	WG1849772
Bromoform	ND		0.0275	1.1	04/17/2022 16:47	WG1849772
Bromomethane	ND		0.0138	1.1	04/17/2022 16:47	WG1849772
n-Butylbenzene	ND		0.0138	1.1	04/17/2022 16:47	WG1849772
sec-Butylbenzene	ND		0.0138	1.1	04/17/2022 16:47	WG1849772
tert-Butylbenzene	ND		0.00550	1.1	04/17/2022 16:47	WG1849772
Carbon tetrachloride	ND	J4	0.00550	1.1	04/17/2022 16:47	WG1849772
Chlorobenzene	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
Chlorodibromomethane	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
Chloroethane	ND		0.00550	1.1	04/17/2022 16:47	WG1849772
Chloroform	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
Chloromethane	ND		0.0138	1.1	04/17/2022 16:47	WG1849772
2-Chlorotoluene	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
4-Chlorotoluene	ND		0.00550	1.1	04/17/2022 16:47	WG1849772

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0275	1.1	04/17/2022 16:47	WG1849772
1,2-Dibromoethane	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
Dibromomethane	ND	J3 J4	0.00550	1.1	04/17/2022 16:47	WG1849772
1,2-Dichlorobenzene	ND		0.00550	1.1	04/17/2022 16:47	WG1849772
1,3-Dichlorobenzene	ND		0.00550	1.1	04/17/2022 16:47	WG1849772
1,4-Dichlorobenzene	ND		0.00550	1.1	04/17/2022 16:47	WG1849772
Dichlorodifluoromethane	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
1,1-Dichloroethane	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
1,2-Dichloroethane	ND	J4	0.00275	1.1	04/17/2022 16:47	WG1849772
1,1-Dichloroethene	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
cis-1,2-Dichloroethene	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
trans-1,2-Dichloroethene	ND		0.00550	1.1	04/17/2022 16:47	WG1849772
1,2-Dichloropropane	ND	J3 J4	0.00550	1.1	04/17/2022 16:47	WG1849772
1,1-Dichloropropene	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
1,3-Dichloropropane	ND		0.00550	1.1	04/17/2022 16:47	WG1849772
cis-1,3-Dichloropropene	ND	J4	0.00275	1.1	04/17/2022 16:47	WG1849772
trans-1,3-Dichloropropene	ND		0.00550	1.1	04/17/2022 16:47	WG1849772
2,2-Dichloropropane	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
Di-isopropyl ether	ND		0.00110	1.1	04/17/2022 16:47	WG1849772
Ethylbenzene	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
Hexachloro-1,3-butadiene	ND		0.0275	1.1	04/17/2022 16:47	WG1849772
Isopropylbenzene	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
p-Isopropyltoluene	ND		0.00550	1.1	04/17/2022 16:47	WG1849772
2-Butanone (MEK)	ND		0.110	1.1	04/17/2022 16:47	WG1849772
Methylene Chloride	ND		0.0275	1.1	04/17/2022 16:47	WG1849772
4-Methyl-2-pentanone (MIBK)	ND		0.0275	1.1	04/17/2022 16:47	WG1849772
Methyl tert-butyl ether	ND		0.00110	1.1	04/17/2022 16:47	WG1849772
Naphthalene	ND		0.0138	1.1	04/17/2022 16:47	WG1849772
n-Propylbenzene	ND		0.00550	1.1	04/17/2022 16:47	WG1849772
Styrene	ND		0.0138	1.1	04/17/2022 16:47	WG1849772
1,1,1,2-Tetrachloroethane	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
1,1,2,2-Tetrachloroethane	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
1,1,2-Trichlorotrifluoroethane	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
Tetrachloroethene	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
Toluene	ND		0.00550	1.1	04/17/2022 16:47	WG1849772
1,2,3-Trichlorobenzene	ND		0.0138	1.1	04/17/2022 16:47	WG1849772
1,2,4-Trichlorobenzene	ND		0.0138	1.1	04/17/2022 16:47	WG1849772
1,1,1-Trichloroethane	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
1,1,2-Trichloroethane	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
Trichloroethene	ND		0.00110	1.1	04/17/2022 16:47	WG1849772
Trichlorofluoromethane	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
1,2,3-Trichloropropane	ND		0.0138	1.1	04/17/2022 16:47	WG1849772
1,2,4-Trimethylbenzene	ND		0.00550	1.1	04/17/2022 16:47	WG1849772
1,2,3-Trimethylbenzene	ND		0.00550	1.1	04/17/2022 16:47	WG1849772
1,3,5-Trimethylbenzene	ND		0.00550	1.1	04/17/2022 16:47	WG1849772
Vinyl chloride	ND		0.00275	1.1	04/17/2022 16:47	WG1849772
Xylenes, Total	ND		0.00715	1.1	04/17/2022 16:47	WG1849772
(S) Toluene-d8	*94.6*		*75.0-131*		*04/17/2022 16:47*	WG1849772
(S) 4-Bromofluorobenzene	*87.1*		*67.0-138*		*04/17/2022 16:47*	WG1849772
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*04/17/2022 16:47*	WG1849772

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.00	1	04/21/2022 14:21	WG1851927
C22-C32 Hydrocarbons	4.80		4.00	1	04/21/2022 14:21	WG1851927
C32-C40 Hydrocarbons	5.25		4.00	1	04/21/2022 14:21	WG1851927
(S) o-Terphenyl	*86.6*		*18.0-148*		*04/21/2022 14:21*	WG1851927

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.0		1	04/19/2022 13:06	WG1849979

Mercury by Method 7471B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0639		0.0400	1	04/22/2022 10:13	WG1850201

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.00	1	04/25/2022 16:06	WG1850175
Arsenic	6.09		2.00	1	04/25/2022 16:06	WG1850175
Barium	140		0.500	1	04/25/2022 16:06	WG1850175
Beryllium	ND		0.200	1	04/25/2022 16:06	WG1850175
Cadmium	ND		0.500	1	04/25/2022 16:06	WG1850175
Chromium	21.0		1.00	1	04/25/2022 16:06	WG1850175
Cobalt	8.53		1.00	1	04/25/2022 16:06	WG1850175
Copper	26.1		2.00	1	04/25/2022 16:06	WG1850175
Lead	10.8		0.500	1	04/25/2022 16:06	WG1850175
Molybdenum	0.625		0.500	1	04/25/2022 16:06	WG1850175
Nickel	16.3		2.00	1	04/25/2022 16:06	WG1850175
Selenium	ND		2.00	1	04/25/2022 16:06	WG1850175
Silver	ND		1.00	1	04/25/2022 16:06	WG1850175
Thallium	ND		2.00	1	04/25/2022 16:06	WG1850175
Vanadium	41.4		2.00	1	04/25/2022 16:06	WG1850175
Zinc	65.6		5.00	1	04/25/2022 16:06	WG1850175

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		2.63	26.3	04/19/2022 07:07	WG1850280
(S) a,a,a-Trifluorotoluene(FID)	*99.1*		*77.0-120*		*04/19/2022 07:07*	WG1850280

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	J3 J6	0.0565	1.13	04/17/2022 17:06	WG1849772
Acrylonitrile	ND		0.0141	1.13	04/17/2022 17:06	WG1849772
Benzene	ND		0.00113	1.13	04/17/2022 17:06	WG1849772
Bromobenzene	ND		0.0141	1.13	04/17/2022 17:06	WG1849772
Bromodichloromethane	ND	J4 J5	0.00283	1.13	04/17/2022 17:06	WG1849772
Bromoform	ND		0.0283	1.13	04/17/2022 17:06	WG1849772
Bromomethane	ND		0.0141	1.13	04/17/2022 17:06	WG1849772
n-Butylbenzene	ND		0.0141	1.13	04/17/2022 17:06	WG1849772
sec-Butylbenzene	ND		0.0141	1.13	04/17/2022 17:06	WG1849772
tert-Butylbenzene	ND		0.00565	1.13	04/17/2022 17:06	WG1849772
Carbon tetrachloride	ND	J3 J4 J5	0.00565	1.13	04/17/2022 17:06	WG1849772
Chlorobenzene	ND		0.00283	1.13	04/17/2022 17:06	WG1849772
Chlorodibromomethane	ND		0.00283	1.13	04/17/2022 17:06	WG1849772
Chloroethane	ND		0.00565	1.13	04/17/2022 17:06	WG1849772
Chloroform	ND		0.00283	1.13	04/17/2022 17:06	WG1849772
Chloromethane	ND	J3	0.0141	1.13	04/17/2022 17:06	WG1849772
2-Chlorotoluene	ND		0.00283	1.13	04/17/2022 17:06	WG1849772
4-Chlorotoluene	ND		0.00565	1.13	04/17/2022 17:06	WG1849772

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0283	1.13	04/17/2022 17:06	WG1849772
1,2-Dibromoethane	ND		0.00283	1.13	04/17/2022 17:06	WG1849772
Dibromomethane	ND	J4	0.00565	1.13	04/17/2022 17:06	WG1849772
1,2-Dichlorobenzene	ND		0.00565	1.13	04/17/2022 17:06	WG1849772
1,3-Dichlorobenzene	ND		0.00565	1.13	04/17/2022 17:06	WG1849772
1,4-Dichlorobenzene	ND		0.00565	1.13	04/17/2022 17:06	WG1849772
Dichlorodifluoromethane	ND	J3	0.00283	1.13	04/17/2022 17:06	WG1849772
1,1-Dichloroethane	ND		0.00283	1.13	04/17/2022 17:06	WG1849772
1,2-Dichloroethane	ND	J4 J5	0.00283	1.13	04/17/2022 17:06	WG1849772
1,1-Dichloroethene	ND	J3	0.00283	1.13	04/17/2022 17:06	WG1849772
cis-1,2-Dichloroethene	ND		0.00283	1.13	04/17/2022 17:06	WG1849772
trans-1,2-Dichloroethene	ND	J3	0.00565	1.13	04/17/2022 17:06	WG1849772
1,2-Dichloropropane	ND	J4	0.00565	1.13	04/17/2022 17:06	WG1849772
1,1-Dichloropropene	ND	J3	0.00283	1.13	04/17/2022 17:06	WG1849772
1,3-Dichloropropane	ND		0.00565	1.13	04/17/2022 17:06	WG1849772
cis-1,3-Dichloropropene	ND	J4	0.00283	1.13	04/17/2022 17:06	WG1849772
trans-1,3-Dichloropropene	ND		0.00565	1.13	04/17/2022 17:06	WG1849772
2,2-Dichloropropane	ND	J3	0.00283	1.13	04/17/2022 17:06	WG1849772
Di-isopropyl ether	ND		0.00113	1.13	04/17/2022 17:06	WG1849772
Ethylbenzene	ND		0.00283	1.13	04/17/2022 17:06	WG1849772
Hexachloro-1,3-butadiene	ND	J5	0.0283	1.13	04/17/2022 17:06	WG1849772
Isopropylbenzene	ND		0.00283	1.13	04/17/2022 17:06	WG1849772
p-Isopropyltoluene	ND		0.00565	1.13	04/17/2022 17:06	WG1849772
2-Butanone (MEK)	ND		0.113	1.13	04/17/2022 17:06	WG1849772
Methylene Chloride	ND		0.0283	1.13	04/17/2022 17:06	WG1849772
4-Methyl-2-pentanone (MIBK)	ND		0.0283	1.13	04/17/2022 17:06	WG1849772
Methyl tert-butyl ether	ND		0.00113	1.13	04/17/2022 17:06	WG1849772
Naphthalene	ND		0.0141	1.13	04/17/2022 17:06	WG1849772
n-Propylbenzene	ND		0.00565	1.13	04/17/2022 17:06	WG1849772
Styrene	ND		0.0141	1.13	04/17/2022 17:06	WG1849772
1,1,1,2-Tetrachloroethane	ND		0.00283	1.13	04/17/2022 17:06	WG1849772
1,1,2,2-Tetrachloroethane	ND		0.00283	1.13	04/17/2022 17:06	WG1849772
1,1,2-Trichlorotrifluoroethane	ND	J3	0.00283	1.13	04/17/2022 17:06	WG1849772
Tetrachloroethene	ND	J5	0.00283	1.13	04/17/2022 17:06	WG1849772
Toluene	ND		0.00565	1.13	04/17/2022 17:06	WG1849772
1,2,3-Trichlorobenzene	ND		0.0141	1.13	04/17/2022 17:06	WG1849772
1,2,4-Trichlorobenzene	ND		0.0141	1.13	04/17/2022 17:06	WG1849772
1,1,1-Trichloroethane	ND	J5	0.00283	1.13	04/17/2022 17:06	WG1849772
1,1,2-Trichloroethane	ND		0.00283	1.13	04/17/2022 17:06	WG1849772
Trichloroethene	ND		0.00113	1.13	04/17/2022 17:06	WG1849772
Trichlorofluoromethane	ND	J3	0.00283	1.13	04/17/2022 17:06	WG1849772
1,2,3-Trichloropropane	ND		0.0141	1.13	04/17/2022 17:06	WG1849772
1,2,4-Trimethylbenzene	ND		0.00565	1.13	04/17/2022 17:06	WG1849772
1,2,3-Trimethylbenzene	ND		0.00565	1.13	04/17/2022 17:06	WG1849772
1,3,5-Trimethylbenzene	ND		0.00565	1.13	04/17/2022 17:06	WG1849772
Vinyl chloride	ND	J3	0.00283	1.13	04/17/2022 17:06	WG1849772
Xylenes, Total	ND		0.00735	1.13	04/17/2022 17:06	WG1849772
(S) Toluene-d8	*98.2*		*75.0-131*		*04/17/2022 17:06*	WG1849772
(S) 4-Bromofluorobenzene	*87.9*		*67.0-138*		*04/17/2022 17:06*	WG1849772
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*04/17/2022 17:06*	WG1849772

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.00	1	04/21/2022 15:00	WG1851927
C22-C32 Hydrocarbons	7.49		4.00	1	04/21/2022 15:00	WG1851927
C32-C40 Hydrocarbons	8.95		4.00	1	04/21/2022 15:00	WG1851927
(S) o-Terphenyl	*78.7*		*18.0-148*		*04/21/2022 15:00*	WG1851927

Method Blank (MB)

(MB) R3782966-1 04/19/22 13:06

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00400			

L1483111-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1483111-02 04/19/22 13:06 • (DUP) R3782966-3 04/19/22 13:06

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	97.0	97.1	1	0.0459		10

Laboratory Control Sample (LCS)

(LCS) R3782966-2 04/19/22 13:06

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3784179-1 04/22/22 09:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R3784179-2 04/22/22 09:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.583	117	80.0-120	

L1482754-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1482754-01 04/22/22 09:25 • (MS) R3784179-3 04/22/22 09:28 • (MSD) R3784179-4 04/22/22 09:30

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.500	0.0477	0.612	0.650	113	120	1	75.0-125			6.04	20

Method Blank (MB)

(MB) R3784941-1 04/25/22 15:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R3784941-2 04/25/22 15:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	99.9	99.9	80.0-120	
Arsenic	100	98.2	98.2	80.0-120	
Barium	100	103	103	80.0-120	
Beryllium	100	101	101	80.0-120	
Cadmium	100	98.2	98.2	80.0-120	
Chromium	100	98.8	98.8	80.0-120	
Cobalt	100	100	100	80.0-120	
Copper	100	101	101	80.0-120	
Lead	100	96.7	96.7	80.0-120	
Molybdenum	100	106	106	80.0-120	
Nickel	100	98.6	98.6	80.0-120	
Selenium	100	102	102	80.0-120	
Silver	20.0	18.6	93.0	80.0-120	
Thallium	100	101	101	80.0-120	
Vanadium	100	100	100	80.0-120	
Zinc	100	95.6	95.6	80.0-120	

L1483144-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1483144-01 04/25/22 15:23 • (MS) R3784941-5 04/25/22 15:32 • (MSD) R3784941-6 04/25/22 15:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	100	6.67	45.1	47.3	38.4	40.6	1	75.0-125	J6	J6	4.82	20
Arsenic	100	9.75	105	106	95.4	96.7	1	75.0-125			1.28	20
Barium	100	430	439	600	9.24	171	1	75.0-125	V	J3 V	31.1	20
Beryllium	100	0.471	103	102	103	102	1	75.0-125			0.965	20
Cadmium	100	25.7	107	109	81.3	82.9	1	75.0-125			1.49	20
Chromium	100	108	148	166	39.8	57.7	1	75.0-125	J6	J6	11.5	20
Cobalt	100	15.3	112	115	97.0	99.4	1	75.0-125			2.16	20
Copper	100	1330	787	931	0.000	0.000	1	75.0-125	V	V	16.8	20
Lead	100	624	422	578	0.000	0.000	1	75.0-125	V	J3 V	31.4	20
Molybdenum	100	20.4	114	114	93.9	93.5	1	75.0-125			0.348	20
Nickel	100	115	157	178	41.2	62.3	1	75.0-125	J6	J6	12.6	20
Selenium	100	3.56	106	110	103	106	1	75.0-125			3.14	20
Silver	20.0	1.22	20.2	20.9	95.1	98.4	1	75.0-125			3.21	20
Thallium	100	ND	100	97.3	100	97.3	1	75.0-125			3.05	20
Vanadium	100	36.3	121	120	84.3	83.6	1	75.0-125			0.530	20
Zinc	100	2030	1230	1420	0.000	0.000	1	75.0-125	V	V	14.3	20

Method Blank (MB)

(MB) R3782421-3 04/18/22 07:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*98.4*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3782421-1 04/18/22 04:38 • (LCSD) R3782421-2 04/18/22 05:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.50	4.86	5.26	88.4	95.6	72.0-125			7.91	20
(S) a,a,a-Trifluorotoluene(FID)				*100*	*101*	*77.0-120*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R3782691-3 04/19/22 04:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*99.2*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3782691-1 04/19/22 02:34 • (LCSD) R3782691-2 04/19/22 02:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.50	4.51	5.37	82.0	97.6	72.0-125			17.4	20
(S) a,a,a-Trifluorotoluene(FID)				*101*	*102*	*77.0-120*				

L1483518-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1483518-01 04/19/22 11:21 • (MS) R3782691-4 04/19/22 13:17 • (MSD) R3782691-5 04/19/22 13:39

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	146	ND	136	134	93.2	91.8	26.5	10.0-141			1.48	29
(S) a,a,a-Trifluorotoluene(FID)					*103*	*103*		*77.0-120*				

Method Blank (MB)

(MB) R3783536-2 04/20/22 16:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.12	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*99.6*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3783536-1 04/20/22 14:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.50	6.30	115	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*77.0-120*	

Method Blank (MB)

(MB) R3781986-3 04/17/22 12:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R3781986-3 04/17/22 12:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*95.3*			*75.0-131*
(S) 4-Bromofluorobenzene	*87.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3781986-1 04/17/22 10:04 • (LCSD) R3781986-2 04/17/22 10:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.744	0.679	119	109	10.0-160			9.14	31
Acrylonitrile	0.625	0.637	0.596	102	95.4	45.0-153			6.65	22
Benzene	0.125	0.122	0.123	97.6	98.4	70.0-123			0.816	20
Bromobenzene	0.125	0.125	0.128	100	102	73.0-121			2.37	20
Bromodichloromethane	0.125	0.153	0.172	122	138	73.0-121	J4	J4	11.7	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3781986-1 04/17/22 10:04 • (LCSD) R3781986-2 04/17/22 10:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.118	0.0984	94.4	78.7	64.0-132			18.1	20
Bromomethane	0.125	0.0983	0.0861	78.6	68.9	56.0-147			13.2	20
n-Butylbenzene	0.125	0.108	0.114	86.4	91.2	68.0-135			5.41	20
sec-Butylbenzene	0.125	0.115	0.121	92.0	96.8	74.0-130			5.08	20
tert-Butylbenzene	0.125	0.126	0.128	101	102	75.0-127			1.57	20
Carbon tetrachloride	0.125	0.163	0.151	130	121	66.0-128	J4		7.64	20
Chlorobenzene	0.125	0.122	0.118	97.6	94.4	76.0-128			3.33	20
Chlorodibromomethane	0.125	0.124	0.109	99.2	87.2	74.0-127			12.9	20
Chloroethane	0.125	0.112	0.0929	89.6	74.3	61.0-134			18.6	20
Chloroform	0.125	0.132	0.122	106	97.6	72.0-123			7.87	20
Chloromethane	0.125	0.122	0.107	97.6	85.6	51.0-138			13.1	20
2-Chlorotoluene	0.125	0.115	0.119	92.0	95.2	75.0-124			3.42	20
4-Chlorotoluene	0.125	0.116	0.116	92.8	92.8	75.0-124			0.000	20
1,2-Dibromo-3-Chloropropane	0.125	0.101	0.107	80.8	85.6	59.0-130			5.77	20
1,2-Dibromoethane	0.125	0.126	0.121	101	96.8	74.0-128			4.05	20
Dibromomethane	0.125	0.125	0.155	100	124	75.0-122		J3 J4	21.4	20
1,2-Dichlorobenzene	0.125	0.110	0.115	88.0	92.0	76.0-124			4.44	20
1,3-Dichlorobenzene	0.125	0.115	0.114	92.0	91.2	76.0-125			0.873	20
1,4-Dichlorobenzene	0.125	0.114	0.116	91.2	92.8	77.0-121			1.74	20
Dichlorodifluoromethane	0.125	0.154	0.149	123	119	43.0-156			3.30	20
1,1-Dichloroethane	0.125	0.119	0.109	95.2	87.2	70.0-127			8.77	20
1,2-Dichloroethane	0.125	0.169	0.162	135	130	65.0-131	J4		4.23	20
1,1-Dichloroethene	0.125	0.132	0.116	106	92.8	65.0-131			12.9	20
cis-1,2-Dichloroethene	0.125	0.122	0.111	97.6	88.8	73.0-125			9.44	20
trans-1,2-Dichloroethene	0.125	0.115	0.106	92.0	84.8	71.0-125			8.14	20
1,2-Dichloropropane	0.125	0.131	0.162	105	130	74.0-125		J3 J4	21.2	20
1,1-Dichloropropene	0.125	0.132	0.133	106	106	73.0-125			0.755	20
1,3-Dichloropropane	0.125	0.129	0.122	103	97.6	80.0-125			5.58	20
cis-1,3-Dichloropropene	0.125	0.142	0.166	114	133	76.0-127		J4	15.6	20
trans-1,3-Dichloropropene	0.125	0.139	0.127	111	102	73.0-127			9.02	20
2,2-Dichloropropane	0.125	0.126	0.119	101	95.2	59.0-135			5.71	20
Di-isopropyl ether	0.125	0.128	0.115	102	92.0	60.0-136			10.7	20
Ethylbenzene	0.125	0.108	0.107	86.4	85.6	74.0-126			0.930	20
Hexachloro-1,3-butadiene	0.125	0.181	0.178	145	142	57.0-150			1.67	20
Isopropylbenzene	0.125	0.114	0.109	91.2	87.2	72.0-127			4.48	20
p-Isopropyltoluene	0.125	0.113	0.116	90.4	92.8	72.0-133			2.62	20
2-Butanone (MEK)	0.625	0.702	0.695	112	111	30.0-160			1.00	24
Methylene Chloride	0.125	0.111	0.102	88.8	81.6	68.0-123			8.45	20
4-Methyl-2-pentanone (MIBK)	0.625	0.616	0.619	98.6	99.0	56.0-143			0.486	20
Methyl tert-butyl ether	0.125	0.119	0.106	95.2	84.8	66.0-132			11.6	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3781986-1 04/17/22 10:04 • (LCSD) R3781986-2 04/17/22 10:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.117	0.117	93.6	93.6	59.0-130			0.000	20
n-Propylbenzene	0.125	0.113	0.121	90.4	96.8	74.0-126			6.84	20
Styrene	0.125	0.101	0.0977	80.8	78.2	72.0-127			3.32	20
1,1,1,2-Tetrachloroethane	0.125	0.116	0.106	92.8	84.8	74.0-129			9.01	20
1,1,2,2-Tetrachloroethane	0.125	0.0987	0.109	79.0	87.2	68.0-128			9.92	20
1,1,2-Trichlorotrifluoroethane	0.125	0.126	0.111	101	88.8	61.0-139			12.7	20
Tetrachloroethene	0.125	0.151	0.146	121	117	70.0-136			3.37	20
Toluene	0.125	0.123	0.122	98.4	97.6	75.0-121			0.816	20
1,2,3-Trichlorobenzene	0.125	0.143	0.146	114	117	59.0-139			2.08	20
1,2,4-Trichlorobenzene	0.125	0.132	0.135	106	108	62.0-137			2.25	20
1,1,1-Trichloroethane	0.125	0.155	0.144	124	115	69.0-126			7.36	20
1,1,2-Trichloroethane	0.125	0.125	0.124	100	99.2	78.0-123			0.803	20
Trichloroethene	0.125	0.143	0.142	114	114	76.0-126			0.702	20
Trichlorofluoromethane	0.125	0.148	0.130	118	104	61.0-142			12.9	20
1,2,3-Trichloropropane	0.125	0.114	0.127	91.2	102	67.0-129			10.8	20
1,2,4-Trimethylbenzene	0.125	0.113	0.117	90.4	93.6	70.0-126			3.48	20
1,2,3-Trimethylbenzene	0.125	0.119	0.120	95.2	96.0	74.0-124			0.837	20
1,3,5-Trimethylbenzene	0.125	0.119	0.123	95.2	98.4	73.0-127			3.31	20
Vinyl chloride	0.125	0.106	0.0939	84.8	75.1	63.0-134			12.1	20
Xylenes, Total	0.375	0.343	0.331	91.5	88.3	72.0-127			3.56	20
(S) Toluene-d8				*97.6*	*94.5*	*75.0-131*				
(S) 4-Bromofluorobenzene				*91.8*	*85.1*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*114*	*109*	*70.0-130*				

L1483111-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1483111-06 04/17/22 17:06 • (MS) R3781986-4 04/17/22 20:41 • (MSD) R3781986-5 04/17/22 21:00

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.705	ND	0.560	ND	79.4	7.72	1.13	10.0-160		J3 J6	165	40
Acrylonitrile	0.705	ND	0.666	0.578	94.5	82.0	1.13	10.0-160			14.1	40
Benzene	0.141	ND	0.171	0.126	121	89.4	1.13	10.0-149			30.3	37
Bromobenzene	0.141	ND	0.174	0.147	123	104	1.13	10.0-156			16.8	38
Bromodichloromethane	0.141	ND	0.209	0.163	148	116	1.13	10.0-143	J5		24.7	37
Bromoform	0.141	ND	0.147	0.134	104	95.0	1.13	10.0-146			9.25	36
Bromomethane	0.141	ND	0.133	0.103	94.3	73.0	1.13	10.0-149			25.4	38
n-Butylbenzene	0.141	ND	0.159	0.120	113	85.1	1.13	10.0-160			28.0	40
sec-Butylbenzene	0.141	ND	0.165	0.120	117	85.1	1.13	10.0-159			31.6	39
tert-Butylbenzene	0.141	ND	0.185	0.134	131	95.0	1.13	10.0-156			32.0	39

L1483111-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1483111-06 04/17/22 17:06 • (MS) R3781986-4 04/17/22 20:41 • (MSD) R3781986-5 04/17/22 21:00

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	0.141	ND	0.239	0.154	170	109	1.13	10.0-145	J5	J3	43.3	37
Chlorobenzene	0.141	ND	0.165	0.124	117	87.9	1.13	10.0-152			28.4	39
Chlorodibromomethane	0.141	ND	0.165	0.140	117	99.3	1.13	10.0-146			16.4	37
Chloroethane	0.141	ND	0.130	0.0902	92.2	64.0	1.13	10.0-146			36.1	40
Chloroform	0.141	ND	0.181	0.135	128	95.7	1.13	10.0-146			29.1	37
Chloromethane	0.141	ND	0.152	0.104	108	73.8	1.13	10.0-159		J3	37.5	37
2-Chlorotoluene	0.141	ND	0.165	0.118	117	83.7	1.13	10.0-159			33.2	38
4-Chlorotoluene	0.141	ND	0.173	0.128	123	90.8	1.13	10.0-155			29.9	39
1,2-Dibromo-3-Chloropropane	0.141	ND	0.108	0.112	76.6	79.4	1.13	10.0-151			3.64	39
1,2-Dibromoethane	0.141	ND	0.166	0.150	118	106	1.13	10.0-148			10.1	34
Dibromomethane	0.141	ND	0.167	0.162	118	115	1.13	10.0-147			3.04	35
1,2-Dichlorobenzene	0.141	ND	0.149	0.120	106	85.1	1.13	10.0-155			21.6	37
1,3-Dichlorobenzene	0.141	ND	0.155	0.121	110	85.8	1.13	10.0-153			24.6	38
1,4-Dichlorobenzene	0.141	ND	0.161	0.130	114	92.2	1.13	10.0-151			21.3	38
Dichlorodifluoromethane	0.141	ND	0.203	0.122	144	86.5	1.13	10.0-160		J3	49.8	35
1,1-Dichloroethane	0.141	ND	0.159	0.114	113	80.9	1.13	10.0-147			33.0	37
1,2-Dichloroethane	0.141	ND	0.239	0.189	170	134	1.13	10.0-148	J5		23.4	35
1,1-Dichloroethene	0.141	ND	0.178	0.122	126	86.5	1.13	10.0-155		J3	37.3	37
cis-1,2-Dichloroethene	0.141	ND	0.167	0.120	118	85.1	1.13	10.0-149			32.8	37
trans-1,2-Dichloroethene	0.141	ND	0.167	0.109	118	77.3	1.13	10.0-150		J3	42.0	37
1,2-Dichloropropane	0.141	ND	0.185	0.138	131	97.9	1.13	10.0-148			29.1	37
1,1-Dichloropropene	0.141	ND	0.197	0.133	140	94.3	1.13	10.0-153		J3	38.8	35
1,3-Dichloropropane	0.141	ND	0.173	0.150	123	106	1.13	10.0-154			14.2	35
cis-1,3-Dichloropropene	0.141	ND	0.192	0.158	136	112	1.13	10.0-151			19.4	37
trans-1,3-Dichloropropene	0.141	ND	0.186	0.159	132	113	1.13	10.0-148			15.7	37
2,2-Dichloropropane	0.141	ND	0.190	0.129	135	91.5	1.13	10.0-138		J3	38.2	36
Di-isopropyl ether	0.141	ND	0.166	0.132	118	93.6	1.13	10.0-147			22.8	36
Ethylbenzene	0.141	ND	0.151	0.106	107	75.2	1.13	10.0-160			35.0	38
Hexachloro-1,3-butadiene	0.141	ND	0.262	0.208	186	148	1.13	10.0-160	J5		23.0	40
Isopropylbenzene	0.141	ND	0.160	0.112	113	79.4	1.13	10.0-155			35.3	38
p-Isopropyltoluene	0.141	ND	0.165	0.119	117	84.4	1.13	10.0-160			32.4	40
2-Butanone (MEK)	0.705	ND	0.683	0.670	96.9	95.0	1.13	10.0-160			1.92	40
Methylene Chloride	0.141	ND	0.151	0.119	107	84.4	1.13	10.0-141			23.7	37
4-Methyl-2-pentanone (MIBK)	0.705	ND	0.667	0.648	94.6	91.9	1.13	10.0-160			2.89	35
Methyl tert-butyl ether	0.141	ND	0.161	0.135	114	95.7	1.13	11.0-147			17.6	35
Naphthalene	0.141	ND	0.119	0.129	84.4	91.5	1.13	10.0-160			8.06	36
n-Propylbenzene	0.141	ND	0.166	0.117	118	83.0	1.13	10.0-158			34.6	38
Styrene	0.141	ND	0.140	0.111	99.3	78.7	1.13	10.0-160			23.1	40
1,1,1,2-Tetrachloroethane	0.141	ND	0.156	0.122	111	86.5	1.13	10.0-149			24.5	39
1,1,2,2-Tetrachloroethane	0.141	ND	0.106	0.0987	75.2	70.0	1.13	10.0-160			7.13	35

L1483111-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1483111-06 04/17/22 17:06 • (MS) R3781986-4 04/17/22 20:41 • (MSD) R3781986-5 04/17/22 21:00

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	0.141	ND	0.168	0.112	119	79.4	1.13	10.0-160		J3	40.0	36
Tetrachloroethene	0.141	ND	0.222	0.152	157	108	1.13	10.0-156	J5		37.4	39
Toluene	0.141	ND	0.167	0.124	117	86.6	1.13	10.0-156			29.6	38
1,2,3-Trichlorobenzene	0.141	ND	0.171	0.165	121	117	1.13	10.0-160			3.57	40
1,2,4-Trichlorobenzene	0.141	ND	0.186	0.161	132	114	1.13	10.0-160			14.4	40
1,1,1-Trichloroethane	0.141	ND	0.217	0.154	154	109	1.13	10.0-144	J5		34.0	35
1,1,2-Trichloroethane	0.141	ND	0.174	0.154	123	109	1.13	10.0-160			12.2	35
Trichloroethene	0.141	ND	0.220	0.163	156	116	1.13	10.0-156			29.8	38
Trichlorofluoromethane	0.141	ND	0.167	0.108	118	76.6	1.13	10.0-160		J3	42.9	40
1,2,3-Trichloropropane	0.141	ND	0.161	0.148	114	105	1.13	10.0-156			8.41	35
1,2,4-Trimethylbenzene	0.141	ND	0.162	0.121	113	84.0	1.13	10.0-160			29.0	36
1,2,3-Trimethylbenzene	0.141	ND	0.160	0.124	113	87.9	1.13	10.0-160			25.4	36
1,3,5-Trimethylbenzene	0.141	ND	0.173	0.122	123	86.5	1.13	10.0-160			34.6	38
Vinyl chloride	0.141	ND	0.130	0.0834	92.2	59.1	1.13	10.0-160		J3	43.7	37
Xylenes, Total	0.423	ND	0.468	0.337	110	79.1	1.13	10.0-160			32.5	38
(S) Toluene-d8					*95.8*	*94.4*		*75.0-131*				
(S) 4-Bromofluorobenzene					*88.8*	*89.0*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*114*	*115*		*70.0-130*				

Method Blank (MB)

(MB) R3783619-1 04/21/22 12:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*83.5*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3783619-2 04/21/22 12:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	21.0	84.0	50.0-150	
C22-C32 Hydrocarbons	25.0	20.2	80.8	50.0-150	
(S) o-Terphenyl			*60.8*	*18.0-148*	

L1483118-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1483118-02 04/21/22 13:16 • (MS) R3784026-1 04/21/22 13:29 • (MSD) R3784026-2 04/21/22 13:42

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	24.3	ND	18.5	18.6	76.1	76.9	1	50.0-150			0.539	20
C22-C32 Hydrocarbons	24.3	ND	16.2	14.6	66.7	60.3	1	50.0-150			10.4	20
(S) o-Terphenyl					*64.0*	*57.3*		*18.0-148*				

Method Blank (MB)

(MB) R3783594-1 04/21/22 00:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.00376	0.0200
Alpha BHC	U		0.00368	0.0200
Beta BHC	U		0.00379	0.0200
Delta BHC	U		0.00346	0.0200
Gamma BHC	U		0.00344	0.0200
Chlordane	U		0.103	0.300
4,4-DDD	U		0.00370	0.0200
4,4-DDE	U		0.00366	0.0200
4,4-DDT	U		0.00627	0.0200
Dieldrin	U		0.00344	0.0200
Endosulfan I	U		0.00363	0.0200
Endosulfan II	U		0.00335	0.0200
Endosulfan sulfate	U		0.00364	0.0200
Endrin	U		0.00350	0.0200
Endrin aldehyde	U		0.00339	0.0200
Endrin ketone	U		0.00711	0.0200
Heptachlor	U		0.00428	0.0200
Heptachlor epoxide	U		0.00339	0.0200
Hexachlorobenzene	U		0.00346	0.0200
Methoxychlor	U		0.00484	0.0200
Toxaphene	U		0.124	0.400
(S) Decachlorobiphenyl	*81.7*			*10.0-135*
(S) Tetrachloro-m-xylene	*72.5*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3783594-2 04/21/22 00:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0666	0.0531	79.7	34.0-136	
Alpha BHC	0.0666	0.0522	78.4	34.0-139	
Beta BHC	0.0666	0.0469	70.4	34.0-133	
Delta BHC	0.0666	0.0508	76.3	34.0-135	
Gamma BHC	0.0666	0.0510	76.6	34.0-136	
4,4-DDD	0.0666	0.0535	80.3	33.0-141	
4,4-DDE	0.0666	0.0540	81.1	34.0-134	
4,4-DDT	0.0666	0.0567	85.1	30.0-143	
Dieldrin	0.0666	0.0526	79.0	35.0-137	
Endosulfan I	0.0666	0.0530	79.6	34.0-134	

Laboratory Control Sample (LCS)

(LCS) R3783594-2 04/21/22 00:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	0.0666	0.0512	76.9	35.0-132	
Endosulfan sulfate	0.0666	0.0526	79.0	35.0-132	
Endrin	0.0666	0.0367	55.1	34.0-137	
Endrin aldehyde	0.0666	0.0179	26.9	23.0-121	
Endrin ketone	0.0666	0.0698	105	35.0-144	
Heptachlor	0.0666	0.0562	84.4	36.0-141	
Heptachlor epoxide	0.0666	0.0527	79.1	36.0-134	
Hexachlorobenzene	0.0666	0.0484	72.7	33.0-129	
Methoxychlor	0.0666	0.0563	84.5	28.0-150	
(S) Decachlorobiphenyl			*91.3*	*10.0-135*	
(S) Tetrachloro-m-xylene			*79.6*	*10.0-139*	

L1482714-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1482714-03 04/21/22 00:37 • (MS) R3783594-3 04/21/22 00:46 • (MSD) R3783594-4 04/21/22 00:55

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0666	ND	0.0528	0.0570	79.3	85.6	1	20.0-135			7.65	37
Alpha BHC	0.0666	ND	0.0533	0.0575	80.0	86.3	1	27.0-140			7.58	35
Beta BHC	0.0666	ND	0.0476	0.0512	71.5	76.9	1	23.0-141			7.29	37
Delta BHC	0.0666	ND	0.0545	0.0587	81.8	88.1	1	21.0-138			7.42	35
Gamma BHC	0.0666	ND	0.0517	0.0554	77.6	83.2	1	27.0-137			6.91	36
4,4-DDD	0.0666	ND	0.0549	0.0603	82.4	90.5	1	15.0-152			9.37	39
4,4-DDE	0.0666	ND	0.0536	0.0575	80.5	86.3	1	10.0-152			7.02	40
4,4-DDT	0.0666	ND	0.0563	0.0610	84.5	91.6	1	10.0-151			8.01	40
Dieldrin	0.0666	ND	0.0532	0.0568	79.9	85.3	1	17.0-145			6.55	37
Endosulfan I	0.0666	ND	0.0534	0.0573	80.2	86.0	1	20.0-137			7.05	36
Endosulfan II	0.0666	ND	0.0528	0.0572	79.3	85.9	1	15.0-141			8.00	37
Endosulfan sulfate	0.0666	ND	0.0534	0.0580	80.2	87.1	1	15.0-143			8.26	38
Endrin	0.0666	ND	0.0362	0.0322	54.4	48.3	1	19.0-143			11.7	37
Endrin aldehyde	0.0666	ND	0.0453	0.0505	68.0	75.8	1	10.0-139			10.9	40
Endrin ketone	0.0666	ND	0.0719	0.0837	108	126	1	17.0-149			15.2	38
Heptachlor	0.0666	ND	0.0554	0.0597	83.2	89.6	1	22.0-138			7.47	37
Heptachlor epoxide	0.0666	ND	0.0529	0.0569	79.4	85.4	1	22.0-138			7.29	36
Hexachlorobenzene	0.0666	ND	0.0486	0.0526	73.0	79.0	1	25.0-126			7.91	35
Methoxychlor	0.0666	ND	0.0544	0.0577	81.7	86.6	1	10.0-159			5.89	40
(S) Decachlorobiphenyl					*88.4*	*96.7*		*10.0-135*				
(S) Tetrachloro-m-xylene					*73.7*	*77.9*		*10.0-139*				

Method Blank (MB)

(MB) R3783594-1 04/21/22 00:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*66.7*			*10.0-135*
(S) Tetrachloro-m-xylene	*71.9*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3783594-5 04/21/22 00:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.135	80.8	36.0-141	
PCB 1260	0.167	0.129	77.2	37.0-145	
(S) Decachlorobiphenyl			*74.8*	*10.0-135*	
(S) Tetrachloro-m-xylene			*81.7*	*10.0-139*	

L1482714-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1482714-03 04/21/22 00:37 • (MS) R3783594-6 04/21/22 01:04 • (MSD) R3783594-7 04/21/22 01:13

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.167	ND	0.146	0.139	87.4	83.2	1	10.0-160	P		4.91	37
PCB 1260	0.167	ND	0.139	0.136	83.2	81.4	1	10.0-160			2.18	38
(S) Decachlorobiphenyl					*83.3*	*84.5*		*10.0-135*				
(S) Tetrachloro-m-xylene					*83.3*	*83.2*		*10.0-139*				

INTERNAL STANDARD SUMMARY

Instrument: VOCGC1 • File ID: 0420_03

04/20/22 14:16

Sample ID	File ID	FLUOROBENZENE (FID) Response	FLUOROBENZENE (PID) Response
Standard	0420_03	4825476	5529259
Upper Limit		9650952	11058520
Lower Limit		2412738	2764630
LCS R3783536-1 WG1850566 1x	0420_04A	4496640	5151252
BLANK R3783536-2 WG1850566 25x	0420_07A	4169598	5035123
L1483111-01 WG1850566 27.8x	0420_09	4159157	4983166
L1483111-02 WG1850566 26x	0420_10	4231474	5067194
L1483111-03 WG1850566 25x	0420_11	3991838	4806682
L1483111-04 WG1850566 30x	0420_12	4159872	4996686

Instrument: VOCGC4 • File ID: 0417_25

04/18/22 04:15

Sample ID	File ID	FLUOROBENZENE (FID) Response	FLUOROBENZENE (PID) Response
Standard	0417_25	7589362	2932068
Upper Limit		15178720	5864136
Lower Limit		3794681	1466034
LCS R3782421-1 WG1849510 1x	0417_26	7826052	3029036
LCSD R3782421-2 WG1849510 1x	0417_27	7350843	2818466
BLANK R3782421-3 WG1849510 25x	0417_33	7885998	3204114

Instrument: VOCGC4 • File ID: 0417_52

04/18/22 14:54

Sample ID	File ID	FLUOROBENZENE (FID) Response	FLUOROBENZENE (PID) Response
Standard	0417_52	7412903	2783476
Upper Limit		14825810	5566952
Lower Limit		3706452	1391738
L1483111-05 WG1849510 26x	0417_62	6912802	2657693

INTERNAL STANDARD SUMMARY

Instrument: VOCGC4 • File ID: 0418A_02

04/19/22 02:11

Sample ID	File ID	FLUOROBENZENE (FID) Response	FLUOROBENZENE (PID) Response
Standard	0418A_02	7674385	2707099
Upper Limit		15348770	5414198
Lower Limit		3837193	1353550
LCS R3782691-1 WG1850280 1x	0418A_03	8431937	2960991
LCSD R3782691-2 WG1850280 1x	0418A_04	7178385	2505179
BLANK R3782691-3 WG1850280 25x	0418A_07	7420026	2755002
L1483111-06 WG1850280 26.3x	0418A_14	6673355	2443415
MS R3782691-4 WG1850280 26.5x	0418A_30	7535791	2527503
MSD R3782691-5 WG1850280 26.5x	0418A_31	7568203	2544298

INTERNAL STANDARD SUMMARY

Instrument: VOCMS59 • File ID: 0417_30

04/17/22 10:04

Sample ID	File ID	8260-FLUOROBENZENE	8260-CHLOROBENZENE-D5	8260-1,4-DICHLOROBENZENE-D4
		Response	Response	Response
Standard	0417_30	423643.20	186913.40	195285.60
Upper Limit		847286	373827	390571
Lower Limit		211822	93457	97643
LCS R3781986-1 WG1849772 1x	0417_30LCS	423643.20	186913.40	195285.60
LCSD R3781986-2 WG1849772 1x	0417_31	466982.60	251933.30	236574.80
BLANK R3781986-3 WG1849772 1x	0417_36	423634.90	191224	190550.40
L1483111-01 WG1849772 1.12x	0417_42	400625.40	178366.10	177728.10
L1483111-02 WG1849772 1.02x	0417_43	425647.30	186358.50	186252
L1483111-03 WG1849772 1x	0417_44	414594.30	190867.20	182455.80
L1483111-04 WG1849772 1.17x	0417_45	427329	182163.50	190130.50
L1483111-05 WG1849772 1.1x	0417_46	400377.70	181796.50	181508.90
L1483111-06 WG1849772 1.13x	0417_47	430063.20	189717.30	187491.90
MS R3781986-4 WG1849772 1.13x	0417_58	332418.50	151368.60	151169.60
MSD R3781986-5 WG1849772 1.13x	0417_59	335053	156662.20	154748.60

INTERNAL STANDARD SUMMARY

Instrument: SVGC29 • File ID: AVG

Sample ID	File ID	1-BROMO-2-DINITROBENZENE Response
Standard	AVG	958988050
Upper Limit		1438482000
Lower Limit		479494000
BLANK R3783594-1 WG1851569 1x	0420A_10	1295493000
LCS R3783594-2 WG1851569 1x	0420A_11	1280658000
MS R3783594-3 WG1851569 1x	0420A_15	1308731000
MSD R3783594-4 WG1851569 1x	0420A_16	1271971000
L1483111-01 WG1851569 1x	0420A_23	1346806000
L1483111-02 WG1851569 1x	0420A_24	1288897000
L1483111-03 WG1851569 1x	0420A_29	1310159000

INTERNAL STANDARD SUMMARY

Instrument: SVGC29 • File ID: AVG

Sample ID	File ID	1-BROMO-2-DINITROBENZENE Response
Standard	AVG	1236695000
Upper Limit		1855043000
Lower Limit		618347500
BLANK R3783594-1 WG1851569 1x	0420A_10	1153603000
LCS R3783594-5 WG1851569 1x	0420A_12	1119339000
MS R3783594-6 WG1851569 1x	0420A_17	1126037000
MSD R3783594-7 WG1851569 1x	0420A_18	1172098000
L1483111-01 WG1851569 1x	0420A_23	1110732000
L1483111-02 WG1851569 1x	0420A_24	1107340000
L1483111-03 WG1851569 1x	0420A_29	1089383000

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P	RPD between the primary and confirmatory analysis exceeded 40%.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Nova Consulting
29633 N. 69th Lane
Peoria, AZ 85383

Billing Information:
Accounts Payable
1107 Hazeltine Blvd.,Ste. 400
Chaska, MN 55318

Pres Chk

Report to: **Robert Greene**

Email To: **robert.greene@novaconsulting.com;wil.king@n**

Project Description: **Majestic Chino Flight**

City/State Collected: Chino, CA

Please Circle: PT MT CT ET

Phone: **480-261-1355**

Client Project # **V22-3615**

Lab Project # **NOVACONAZ-V223615**

Collected by (print): **Robert Greene**

Site/Facility ID # **SEC OF FLIGHT AVENUE AND**

P.O. # V22-3615

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed STD TAT

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 8ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 8ozClr-NoPres	SV8081/8082 8ozClr-NoPres	V8260AZ 40mlAmb/MeOH10ml/Syr						Remarks	Sample # (lab only)
SB-1-5'	G	SS	5'	4-13-22	10:55	4	X	X	X	X	X							-01
SB-2-5'	G	SS	5'		11:15	4	X	X	X	X	X							-02
SB-3-6'	G	SS	6'		11:45	4	X	X	X	X	X							-03
SB-4-3'	G	SS	3'		12:10	3	X	X	X		X							-04
SB-5-7'	G	SS	7'		12:40	3	X	X	X		X							-05
SB-6-5'	G	SS	5'		13:10	3	X	X	X		X							-06
		SS																
		SS																
		SS																
		SS																

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # B106
T L483111

Acctnum: **NOVACONAZ**
Template: **T206862**
Prelogin: **P916550**
PM: **288 - Daphne Richards**
PB:
Shipped Via:

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 5489 4020 8893

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR	If preservation required by Login: Date/Time
	4-14-22	11:32			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.4/3.6°C Bottles Received: 2.2 +0=2.2 21	
	4/14/22	1800			
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:
				4/15/22	0900

Hold: | Condition: NCF / (OK)