



SITE ASSESSMENT REPORT

Crystal Cleaners (former)

Currently OZO₂ Eco Cleaners

2316 South Dixie Highway

West Palm Beach, Palm Beach County, Florida 33401

FDEP Site No. ERIC_5171 (Former Facility ID No. 509502121)

Project No. 631031384

March 29, 2024

Prepared for:

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PROFESSIONAL CERTIFICATION

PROFESSIONAL GEOLOGIST LICENSED IN THE STATE OF FLORIDA

For

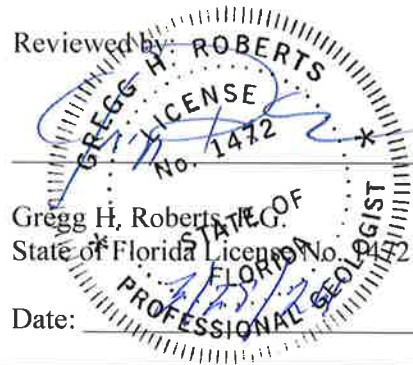
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I hereby certify that, in my professional judgment, the geologic and hydrogeologic components of this document satisfy the requirements set forth in Chapter 492, Florida Statutes and Chapter 21DD, Rules of the Florida Department of Business and Professional Regulation. I have prepared and/or reviewed the components performed under my supervision.

Reviewed by:



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Written by:

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List of Acronyms and Abbreviations

µg/kg	micrograms per kilogram
µg/L	micrograms per liter
µg/m ³	micrograms per meter cubed
AEL	Advanced Environmental Laboratories, Inc.
ALF	Analytical Laboratories of Florida
APTIM	APTIM Environmental & Infrastructure
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
cis-1,2-DCE	cis-1,2-dichloroethylene
C/I	Commercial / Industrial
CSM	Conceptual Site Model
1,1-DCA	1,1-dichloroethane
DGS	direct groundwater sample
DPT	direct-push technology
DO	dissolved oxygen
DSCP	Drycleaning Solvent Cleanup Program
EPA	Environmental Protection Agency
F.A.C.	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FDOH	Florida Department of Health
FGS	Florida Geological Survey
ft	feet
ft bls	feet below land surface
gdp	gallons per day
gpm	gallons per minute
GCTLs	Groundwater Cleanup Target Levels
GPI	Groundwater Protection, Inc.
GPR	ground penetrating radar
in WC	inches of water column
MAGS	Modified Active Gas Sampling
MDL	Method Detection Limit
µg/m ³	micrograms per cubic meter
mg/L	milligrams per liter
msl	mean sea level
mV	millivolts
NADCs	Natural Attenuation Default Concentrations
NAVD88	North American Vertical Datum, 1988
NELAC	National Environmental Laboratory Accreditation Conference
NAM	Natural Attenuation Monitoring
OVA	Organic Vapor Analyzer
PCE	Perchloroethylene (also known as Tetrachloroethylene)

PID	Photoionization Detector
PQL	practical quantitative limit
PSI	Professional Service Industries
PVC	polyvinyl chloride
QC	Quality Central
R	Residential
ROE	Radius of Extraction
ROI	Radius of Influence
RPD	Report Percent Difference
SAR	Site Assessment Report
SSRF	Site Screening Report Form
SCTLs	Soil Cleanup Target Levels
scfm	standard cubic feet per minute
SOP	Standard Operating Procedures
STS	SurvTech Solutions, Inc.
su	standard units
trans-1,2-DCE	trans-1,2-dichloroethylene
TCE	Trichloroethene
TOC	Total Organic Carbon
USGS	United States Geological Survey
VC	Vinyl Chloride
VMP	Vapor Monitoring Point
VOCs	volatile organic compound
VOHs	volatile organic halocarbons

1.0 INTRODUCTION

Aptim Environmental & Infrastructure, LLC (APTIM) presents the following Site Assessment Report (SAR) documenting the field activities for the former Crystal Cleaners (current OZO₂ Eco Cleaners) located at 2316 South Dixie Cleaners, West Palm Beach, Palm Beach County, Florida. The SAR was funded under the Florida Department of Environmental Protection (FDEP) Waste Cleanup Program Waste Site Cleanup Section Drycleaning Solvent Cleanup Program (DSCP) and is being assessed in accordance with Chapter 62-780, Florida Administrative Code (F.A.C.). The objective of this report is to provide a summary of the soil and groundwater assessment activities performed in accordance with Task Assignment No. DC017B. The FDEP Site Number is ERIC_5171 and the former Facility Identification Number for the site is 509502121.

The overall objective of this investigation was to assess the presence and extent of soil and groundwater contamination in the vicinity of the former Crystal Cleaners site as a result of former dry cleaning site operations and past use of the property.

1.1 Objectives

The objectives of this SAR are as follows:

- identify sensitive receptors in proximity to the site;
- determine and confirm the contaminant sources;
- establish the impacts of the potential contaminant plumes in soil, surface water, and/or groundwater;
- present a characterization of observed contaminants in soil and groundwater; and
- provide general recommendations to the FDEP.

1.2 Scope of Work

This SAR addresses the scope of work detailed below:

- Conduct a well survey to identify sensitive receptors such as public supply wells, private potable wells, and surface water bodies.
- Obtain site access clearances, obtain any necessary permits, and complete an underground utility search prior to field assessment activities.
- Describe pertinent geologic and hydrogeologic characteristics of potentially impacted zones.
- Describe the aquifer characteristics that could influence contaminant plume migration.

- By utilizing direct-push technology (DPT), collect and analyze soil and groundwater samples to assess the extent of any contamination.
- Install permanent groundwater monitoring wells at locations based on the direct-push assessment results.
- Collect and analyze confirmatory groundwater samples from the monitor wells.
- Characterize and dispose all investigative-derived wastes generated by the site assessment activities.

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Description

The former Crystal Cleaners (subject site) is listed on the DSCP application and eligibility letter as located at 2316 South Dixie Highway in West Palm Beach, Palm Beach County, Florida. The former Crystal Cleaners, currently the OZO₂ Eco Cleaners, is located in a single-story building which is located along South Dixie Highway.

The site location is presented on the Palm Beach, Florida, United States Geological Survey (USGS) Topographic Quadrangle Map (**Figure 1**) in Section 27, Township 43 South, and Range 43 East. An aerial view of the site and surrounding properties (i.e.: local land use), showing the approximate boundaries of the property, is included as **Figure 2**. The closest known contaminated site to the subject site is the Shell-Nickee's (FDEP Fac. No. 8514629) currently a Starbucks, formerly located at 2715 South Dixie Highway which is approximately 0.21 miles to the south and according to the OCULUS database is in active cleanup. Another petroleum site noted in OCULUS as also in active remediation is a former Pontiac Dealership (FDEP Fac. No. 9803837) located 0.22 miles to the northeast at the southwest corner of South Olive Avenue and Flamingo Drive. A third petroleum site located at 701 Belvedere Road (FDEP Fac. No. 8513794) is 0.33 miles to the southeast of the subject site is listed as pending cleanup. The nearest known contaminated dry cleaners' site is the Belvedere Cleaners (ERIC_5102) located at 801 Belvedere Road which is approximately 0.45 miles to the southwest. There is another dry cleaner's site, Jack Sheehan's Drive-In Cleaners, located at 1510 Lake Avenue, and is located 0.51 miles to the southwest of the subject site.

The former Crystal Cleaners drycleaning facility is a single parcel (Parcel ID 74-43-43-27-21-004-0200), and according to the Palm Beach County Property Appraiser Web Site, is currently owned by 2316 South Dixie Inc. The property is located within a mixed commercial and residential area in the eastern part of Palm Beach County. The site is bounded to the north by Reedemer Lutheran Church, to the east by a residential property, to the south by Valencia Road, and further south by the Pig Beach BBQ. Immediately to the west is South Dixie Highway and then the JC White Architectural office and the Koral Dental office. Based on a survey of the subject property, the dry cleaner building is 2,049 square feet in size and the property is 0.2964 acres (12,911 square feet). The building was constructed in 1959. A site plan showing the approximate property boundaries, the former and current layout of the current building, and site features is provided as **Figure 3**.

2.2 Topography and Drainage

As shown on **Figure 1**, the property is located at an elevation of approximately 15 feet above mean sea level (amsl) based on the North American Vertical Datum of 1988 (NAVD 88), and the property, as well as surrounding area is relatively flat. The dominant physiographic features near the subject property, located 1,330 feet to the east of the Crystal Cleaners property is the Lake Worth Lagoon which is part of the Florida

Intracoastal Waterway system. East of the Lake Worth Lagoon is the Palm Beach barrier island followed further east by the Atlantic Ocean which is approximately 1.25 miles from the subject property. As shown on **Figure 2** there are no stormwater retention features in the immediate area the facility is located.

2.3 Potable Water Supply Wells

The GIS Mapping Tool EHWater provided by the Florida Department of Health's (FDOH) Division of Environmental Health, Bureau of Water was used on November 9, 2023, to search for any permitted water well within ½-mile of the site. A review of the database search and associated maps did not identify any wells in the search radius (**Figure 4**).

2.4 Operational History

A review of the 1994 Phase II Report, the 1995 Interim Registration Form, the 1997 DSCP Application, and the 1997 Site Screening Report provided very basic information about the layout of the one drycleaning machine and the solvents used, but little else regarding the operation of the former Crystal Cleaners. According to the DSCP Application (signed January 27, 1997), the site was in operation from February 26, 1987, to June 1, 1997. Records concur that operations at the site ceased sometime between September of 1996 and June of 1997. There are no FDEP site inspection notes describing the type of drycleaning machine that was used. The facility reportedly used tetrachloroethylene (PCE) and Valclene based solvents during its operation. No releases of drycleaning solvents were noted in the 1997 DSCP Application.

A site map included with the 1997 DSCP Application Form did not show the location of the chemical storage, spotting boards, press boards, dry storage area (if any), storage room(s), vacuum units, air compressors, washers, a dumpster, chiller (refrigerated condenser), or the location of the separator water treatment system and associated atomizer (misting nozzle), if present. It is unknown if separator water was treated onsite or if the waste stream was drummed and removed by a licensed waste disposal contractor. If a separator water treatment system was utilized, it was likely located in close proximity to the drycleaning machine, and the atomizer was located on the roof somewhere in the northwest or southwest portion of the building, but the actual location is unknown. The forms also did not summarize additional waste handling practices of the facility.

The DSCP Application does not contain the results from the 1994 site assessment. That report, which includes field activities and laboratory results, was submitted with the 1997 Site Screening Form. The 1997 Site Screening Form only lists that groundwater from TMW-2 at approximately 8 to 10 feet below land surface (ft bls) contained PCE at 1,800 micrograms per liter (µg/L)]. Regardless, the locations of the soil borings and temporary monitoring wells were located to the west (TMW-1) and east (TMW-2) of the building. The west location (TMW-1) was approximately 12 feet north of the former drycleaning machine, while the east location (TMW-2) was directly between the two rear doors of the facility.

Analytical results of the soil sample from 0 to 2 ft bls at TMW-1 were reported to contain 0.067 milligrams per kilograms (mg/kg) of PCE. Groundwater from that location reported 33 µg/L of PCE. Laboratory results of the soil sample from 2 to 4 at TMW-2 were reported to contain 0.053 mg/kg of PCE; and groundwater from that location reported 1,800 µg/L of PCE. The two soil sample results exceed the FDEP Soil Cleanup Target Level (SCTL) for leachability (0.03 mg/kg) and both groundwater samples exceeded the FDEP Groundwater Cleanup Target Level (GCTL) for PCE (3 µg/L).

The property is currently connected to the West Palm Beach sanitary sewer system. The facility is also provided municipal water from the West Palm Beach Utilities. Natural gas and power are also available to the building from Florida Power & Light.

2.5 Summary of Previous Investigation

The below summary presents regulatory documents available through the FDEP Electronic Document Management System (OCULUS) related to the former Crystal Cleaners:

- February 4, 1994: Phase II Environmental Services Report submitted to First Union National Bank of Florida by PSI. The report documented field activities on January 11, 1994, which included the advancement of two soil borings, the installation of two temporary monitoring wells (TMW-1 and TMW-2), and the collection of soil and groundwater samples. Laboratory analytical results indicated that concentrations of PCE in soil from TW-1 at 0-2 ft bls and TW-2 from 2-4 ft bls were 67 and 53 ppb, respectively. Concentrations of PCE in groundwater from TW-1 and TW-2 were 33 and 1,800 ppb, respectively.
- April 3, 1995: Interim Registration Form submitted by Nizakat Baig to FDEP. It identifies Mr. Nizakat Baig as the facility owner and operator; however, the real property owner is listed as Lacy Smith of Louisville, Kentucky. The report states that solvents previously used include PCE and Valclene (CFC-113); however, the report states only PCE was used in 1995.
- June 26, 1997: Site Screening Report Form was submitted to FDEP by APEX Environmental Engineering & Compliance. The submittal included a copy of the February 1994 Phase II Environmental Services Report. An excerpt from the EDR GeoCheck Report, dated June 23, 1997, was also provided. The EDR report excerpt only listed wells in the area. No additional information was available.
- June 30, 1997: The DSCP Application was submitted to FDEP by Greystone Advisers, Inc. (Greystone). The application stated the property had already been foreclosed on by Plymouth REI, Inc., A Delaware Corporation care of Ted Hanes of Greystone. Greystone was involved because a debt was owed by SWF 1996 Limited Partnership. Their parent company, SouthWest Federated, Inc. entered into an investment advisory agreement with Greystone. Therefore, it is assumed the business ceased operations sometime between September of 1996 and June of 1997.
- On December 26, 1997: Eligibility Letter was sent from the FDEP to Mr. Hanes stating the site is eligible for state-administered cleanup under the DSCP.

- April 29, 2022: The FDEP issued a DSCP Site Initiation letter and deductible invoice to 2316 South Dixie Inc., the current owner of the property.
- June 6, 2022: The FDEP issued a Second DSCP Site Initiation letter and deductible invoice to 2316 South Dixie Inc., the current owner of the property.
- August 4, 2022: The FDEP Permission to Enter Property agreement was executed by Thomas Morrison and Lissette Rivera of 2316 South Dixie Inc.
- February 27, 2023: APTIM submitted a Site Assessment Work Plan. The Plan included background site summary, overall project approach and project schedule, site reconnaissance and project history. Field investigative work included completion of hand-auger and direct-push soil borings to evaluate potential site contamination, lithologic soil borings to determine local geology, construction of piezometers and groundwater monitoring wells to evaluate potential contamination and groundwater flow direction, and completion of a modified active gas sampling test to evaluate vadose zone soil contamination.
- March 22, 2023: The FDEP issued a Site Assessment Work Plan Review email during the planning for this assessment.
- April 25, 2023: APTIM submitted a revised Site Assessment Work Plan.

With the exception of those listed above, no previous site investigations have occurred on the site.

3.0 PHYSIOGRAPHIC AND HYDROGEOLOGIC SETTING

3.1 Physiography

According to the US Geological Survey, Broward County lies within the Atlantic Coastal Plain Physiographic province which extends from southeastern Pennsylvania to southern Florida. Locally, the Crystal Cleaners site is located within the Southern Atlantic Coastal Strip, which is made up of low, sandy ridges, a part of which is commonly referred to as flatwoods. Vegetation within the region is primarily pine, palmetto, and native grasses.

3.2 Regional Geology and Hydrology

The present geological and physiographic features of South Florida are primarily the result of climatic sea level fluctuations in which occurred from the Pliocene (5.3 million years ago) through the Pleistocene Epoch (10,000 years ago). In this region of Florida, five near surface geologic units exist. From oldest to youngest, those units are the Caloosahatchee Marl (Pliocene), Fort Thompson Formation, Miami Oolite, Anastasia Formation, and Pamlico sands (Pleistocene). The Caloosahatchee Marl consists of interbedded sand, clay, silt, and shell beds. The Fort Thompson Formation is composed of alternating units of sand, marls, and sandy fossiliferous limestone. The Miami Oolite is white to yellow, cross-bedded oolitic limestone of Pleistocene age. The Anastasia Formation is Pleistocene in age and is composed of marine units of coquina, shelly sands, and sandy limestones. At the surface in the eastern part of Palm Beach County are recent sand deposits (Pamlico sand).

Palm Beach County is underlain by the Surficial Aquifer, which serves as the principal source of potable water for the county. The Surficial Aquifer is an unconfined water bearing unit comprised locally of the following stratigraphic units, from oldest to youngest: the Caloosahatchee Marl (Pliocene), the Fort Thompson Formation, the Miami Oolite, the Anastasia Formation, and the Pamlico sands (Pleistocene). The thickness of the Surficial Aquifer system ranges from 250 ft along the coast to less than 100 feet near the western edge of the county. The Surficial Aquifer is classified as a G-II aquifer (groundwater that is designated for potable use) based on Chapter 62-520.410, F.A.C. Re-charge to the Surficial Aquifer is primarily by local infiltration of rainfall and seepage from canals.

The Surficial Aquifer is underlain by several hundred feet of Miocene age marl and clay (Hawthorn Formation), which serves to confine the underlying Floridan Aquifer. The Floridan Aquifer is a confined artesian aquifer comprised locally of the following stratigraphic units, from oldest to youngest: Avon Park Limestone, the Ocala Group (Eocene), the Suwannee Limestone (Oligocene), the Tampa Limestone, the lower Hawthorne Formation (Miocene). The top of the Floridan Aquifer in Palm Beach County ranged from 1,000 ft bls near Boca Raton to approximately 800 ft bls near Lake Okeechobee. The Floridan Aquifer in South Florida extends to depth of more than 3,500 feet and contains mostly non-potable, highly mineralized water (Swayze, G.J. and Miller, W.L., 1984).

3.3 Local Geology

Geologic data from a test boring completed by the U.S. Geological Survey (Schneider, James J, 1976) was reviewed by APTIM. The test boring, labeled PB-835-B completed to a depth of 120 ft bls, was located approximately 1.2 miles directly south of the Crystal Cleaners site. The land surface elevation at the boring location was noted as 4 feet. Lithology encountered included a brown, medium to fine sand from 0 to 10 ft bls. From 10 to 30 ft bls a tan, sandy limestone with shell fragment and a hard layer at 19 ft bls was encountered. From 30 to 60 ft bls a tan, sandy, hard to soft limestone with shell fragments was encountered. Below 60 to 120 ft bls was a tan, sandy limestone with many shell fragments, grading to a grayish-tan, sandy limestone with some shell fragments.

4.0 SITE CHARACTERIZATION

4.1 Contaminant Sources and Pathways

APTIM personnel visited the site on February 3, 2023, and completed the Drycleaning Site Visit Checklist which was provided to the FDEP in the Site Assessment Work Plan (Revised), dated April 25, 2023.

As reported in the checklist, the space was being operated by OZO₂ Eco Cleaners which operates as a drop-off location that performs minor alterations. The site does not operate as a drycleaning facility; therefore, does not currently use any toxic chemicals. The space has been altered since the original cleaners was closed (circa 1997); and the previous inside configuration was historically poorly documented. It is known that the former drycleaning machine was located in the northwest corner of the building where an office is now located.

Also, based on the diagram submitted in the DSCP Site Screening Form, the boiler room was located at the rear of the facility. The boiler room also has a floor drain.

No wells are located on the property. A lint trap was not observed at the facility. A dumpster was observed on the southeast corner of the facility; however, its location was not shown on the Site Screening Form. Onsite personnel confirmed the use of the dumpster. Historical photographs are of poor quality and do not show a different location for the dumpster. No irrigation wells are located on the property. No stormwater drains were observed on the property. No stormwater retention pond is present on the property. A map showing the previous and current layout of the facility is shown as **Figure 3**.

4.2 Property Survey

To have a properly scaled and detailed drawing of the property and building, APTIM contracted with ServTech Solutions, Inc., to provide a survey of the property and to place NAVD 88 referenced elevation benchmarks on the property for use in determining the top-of-casing elevation of future monitoring wells. Two benchmarks, labeled TBM #1 and TBM #2, were set on the property and are presented on the survey drawings provided in **Appendix A**.

4.3 Utility Identification

With the exception of communications, all utilities for the facility are located underground. Due to the proposed intrusive work, APTIM sought to identify the buried utilities within the property. To locate the utilities, APTIM contacted the SunShine 811, as well as the City of Palm Beach, Utilities Division who are the municipal water and sewer utility providers for the site. APTIM also contracted with Site Lines, LLC to perform a utility locate using ground penetrating radar (GPR) and electromagnetic induction surveys. Accordingly, on August 8, 2023, Site Lines was on site, along with a APTIM scientist, to complete the buried utility survey. Positive locations for the water line along the western side of the property and one electric line located in the northern area of the property (dropping down off the nearby power pole) were

identified. Multiple other buried systems were located; however, APTIM is unsure of the utility type if they are actual utilities or even if they are live. Utility and other unknown systems locations are shown on **Figure 5**.

The above noted overhead utilities appear to be communication cables (four each) which extend from a power pole located near the northern edge of the property and connect to an anchor point on the northeastern parapet wall of the subject building. From the wall anchor point the cables travel to multiple cable boxes mounted near the main electrical meter box at the rear of the building.

4.4 Air, Soil, and Groundwater Assessment

During the completion of this site assessment, multiple subsurface vapor, soil, and groundwater samples were collected using various methods. Below is a list of the various sample collection methods used to characterize the soil, subsurface vapors, and groundwater in the immediate area of facility.

During construction of the 10 MAGS wells, including 40 soil samples were collected at specific depths within the vadose zone to evaluate potential contamination. Then, the soil borings at the MAGS locations were converted to MAGS points where air samples were collected from each of the points to evaluate for potential volatiles contamination. Also, seven hand-auger soil borings were completed within and around the facility to further evaluate the potential for vadose zone soil impacts in the remaining areas of the site. To evaluate potential dissolved volatile impacts vertically within the shallow aquifer, nine direct-push groundwater sampling locations were completed with discrete-interval groundwater sample collection. The final two investigative methods incorporated into the assessment was construction and groundwater collection from three piezometers to initially determine the groundwater flow direction and the installation of four monitoring wells (three shallow and one vertical extent), including one well inside the dry cleaner facility. Below is a table identifying the samples collected, the dates of collection, and the type (soil, air, or groundwater) and number of collected samples.

SAMPLE COLLECTION	DATE COLLECTED	SAMPLE MEDIA and NUMBER COLLECTED
MAG-1 through MAG-10	07/31 & 08/01/2023	<u>Soil Analysis</u> (Depth 0.5', 2', 4', and 6') 40 laboratory samples
MAG-1 through MAG-10	08/01 & 08/02/2023	<u>Air Analysis</u> (10 laboratory samples)
SB-1 through SB-7	07/31 & 08/02/2023	<u>Soil Analysis</u> (0.5', 2', 4', and 6') 28 laboratory samples
DGS-1 through DGS-9/	08/09 & 08/10/2023	<u>Groundwater Analysis</u> (10', 25', and 30'). 30 total laboratory samples
PZ-1, PZ-2 & PZ-3, MW-1	08/10/2023	<u>Groundwater Analysis</u> (4 laboratory samples)

IDW Soil and IDW Water	11/1/2023	<u>Investigative Derived Waste</u> (2 laboratory samples)
PZ-1, PZ-2, PZ-3, MW-2, MW-3 and DW-1	11/1/2023	<u>Groundwater Analysis</u> (6 laboratory samples)
DW-1	12/14/2023	<u>Groundwater Analysis</u> (1 laboratory sample)
MAG-4, MAG-7 & MAG-8	12/14/2023	<u>Air Analysis</u> (3 laboratory samples)

4.5 Modified Active Gas Sampling

A MAGS event was performed to identify potential source area locations within the vadose zone using a network of vapor extraction wells. The procedure included the installation of shallow vapor extraction wells, followed by a vapor extraction test at each individual well. During each test, extracted vapors were monitored using a field-calibrated organic vapor analyzer (OVA) equipped with a photoionization detector (PID) and the vapors were also sampled for laboratory analysis. A distance-vapor concentration relationship is generated for each well location, allowing the evaluation for source areas between the extraction wells. The method utilized for the Crystal Cleaners MAGS test event followed the methods described in the 2004 MAGS Manual. The tests were performed on August 1 and 2, 2023, and included 10 MAGS vapor extraction wells (MAG-1 through MAG-10) at the locations shown on **Figure 6**. Based on the laboratory analytical results from the MAGS testing, APTIM returned to the site on December 14, 2023 to perform additional MAGS tests and collect air samples for TO-15 analysis at three of the previously sampled locations.

At each location, the concrete or asphalt surface cover was cored and removed with a 4-inch diameter coring bit. The boring was then advanced using a 3.5-inch diameter stainless-steel hand auger. The MAGS wells were constructed with 5 feet of 2-inch diameter, 0.010-inch slotted polyvinyl chloride (PVC) well screen generally placed from 2 to 6 ft bls, dependent on the depth to groundwater encountered at each location. For all wells, a 2-foot section of 2-inch, Schedule 40 PVC casing was connected to the top of the screen which extended the well to just below grade. A 20/30 sand was poured into the annular space to approximately 1 to 2 inches below the surface. The wellhead was sealed with a thin layer of Portland cement grout, and a PVC slip cap was added to the top of the casing. When not used for extraction of air/vapor, the idle MAGS wells were used as vapor monitoring points (VMP) to monitor applied vacuum while testing occurred at the other MAGS wells.

A portable system, constructed from a one horsepower Rotron® blower and condensate tank, equipped with flow, vacuum and temperature meters, was utilized to extract vapors from each well. The equipment was powered by a portable generator. A wellhead assembly was utilized that included a wellhead vapor sampling port and a vacuum gauge port. A peristaltic pump was connected to the wellhead vapor sampling port to continuously extract vapors from the wellhead for screening with a field-calibrated OVA-PID. Flow

adjustment was facilitated by a bleed air adjustment installed just before the blower on the system. Vapor screening was performed with a RAE Systems OVA-PID.

To ensure complete lateral coverage across the area of concern, specifically the area suspected of former dry-cleaning activities, a target radius of extraction (ROE) of approximately 15 feet was specified for each MAGS point. With an estimated effective soil vapor porosity of 20 percent and a vadose zone thickness of 8 feet, a total extraction volume of between 1,133 and 1229 standard cubic feet (scfm) approximately 1,130 cubic feet would theoretically achieve the target ROE for each MAGS point....

Sampling was conducted for each MAGS point individually. At each extraction point, the blower was brought on-line, and the wellhead vacuum adjusted to achieve the desired flow rate. To complete the sampling within the FDEP approved timeframe, vapor extraction flow rates were generally set to approximately 50± scfm. The MAGS tests ranged from approximately 20 to 24 minutes per well. Readings collected during sampling included the extraction flow rate, wellhead vacuum, induced vacuum recorded at the idle MAGS points, and the OVA-PID response of the extracted vapor. The OVA-PID readings were manually recorded at approximately 2-minute intervals.

One vapor sample was collected at each location immediately prior to MAGS test completion. The vapor samples were collected in a Tedlar® bag directly from the wellhead. A total of 10 vapor samples from the August 1 & 2, 2023 MAGS testing, and 3 vapor samples from the December 14, 2023, MAGS retesting were submitted to SGS North America, Inc., for analysis by TO-15 for the presence of volatile organic compound (VOC).

4.5.1 Lithologic Borings

On August 8, 2023, lithologic soil borings LSB-1 and LSB-2 were completed to identify shallow site stratigraphy. The continuous soil borings were advanced by Groundwater Protection, Inc., using DPT to a total depth of approximately 35 and 43 ft bls, respectively. Recovered soil samples were logged by an onsite geologist. Upon completion, both borings were abandoned (i.e., pressure grouted) from the bottom to the top with Neat Cement grout and then resurfaced with asphalt patch. The locations of LSB-1 and LSB-22 are presented, along with the cross-section on **Figure 7**.

4.5.2 Hand-Augured Soil Borings

On July 31, 2023, and August 1 and 2, 2023, APTIM was on site to advance borings and collect soil samples at the 10 MAGS locations (MAG-1 through MAG-10) and seven additional locations (SB-1 through SB-7) within and around the facility. The hand-augured soil boring locations shown on **Figure 8** were selected for the collection of soil samples for laboratory analyses and to determine the stratigraphic, lithologic, and physical characteristics of the vadose zone of the site.

Soil borings were advanced with a 3 ½ - inch diameter, decontaminated, stainless-steel hand auger. Copies of the soil boring logs are included in **Appendix B**. As indicated on the logs, the soil was generally composed of gray to white to orange and poorly to well sorted with depth. Laboratory soil samples were

collected at depths of approximately from 0.5, 2, 4, and 6 ft bls. The deeper sample of 6 ft bls was collected above the depth of saturation, which was generally encountered just below that depth.

The soil samples collected on July 31 and August 1 and 2, 2023, were retained in laboratory provided containers, preserved on wet ice, and transported to the Advanced Environmental Laboratory, Inc., (AEL) in Miramar, Florida, for analysis of volatile organic halocarbons (VOHs) by Environmental Protection Agency (EPA) Method 8260.

4.5.3 Groundwater Assessment

A number of techniques were utilized for the assessment of groundwater characteristics. The primary assessment involved DPT with the collection of discrete zone groundwater samples. Groundwater sampling depths were chosen based on the site stratigraphy data obtained from the two deep lithologic borings.

Prior to the DPT investigation, three piezometers were installed to gain a preliminary understanding of the groundwater flow direction.

An APTIM geologist documented all groundwater assessment activities. All downhole drilling equipment was properly decontaminated before, during, and after discrete groundwater sampling and monitor well installations. Drill cuttings, decontamination fluids, and development and purge water were containerized in 55-gallon drums for characterization and disposal.

4.5.4 Direct Push Groundwater Sampling

Between August 9 and 10, 2023, APTIM utilized Groundwater Protection, Inc., to collect DPT groundwater samples at the site. To characterize potentially impacted groundwater, nine sampling locations [DGS-1 through DGS-9 (Direct Groundwater Sample / DGS)] were advanced. At each location, three groundwater samples were acquired at depths of approximately 12, 24, and 38 ft bls. The DPT sampling locations are shown on **Figure 9**. Adjustments were made to the originally proposed discrete interval depths of 10, 20, and 30 ft bls following completion of the deep soil borings and coordination with the FDEP site manager.

At each DPT location, a Geoprobe® discrete-interval screen point sampling tool was utilized to collect each groundwater sample. A 4-foot length stainless-steel screen point sampling tool with a slightly larger diameter stainless-steel tip on the advancing end was pushed to the target depth, then the outer barrel was retracted to expose the screen. Dedicated 0.25-inch outer-diameter polyethylene tubing was lowered to the bottom of the sampling tool. The tubing was then raised approximately 1 foot off the bottom of the screen. At land surface, the tubing was attached to a peristaltic pump. After activation of the pump, the geologist surged the screen point to reduce the turbidity and remove suspended solids prior to sampling. After purging, the sample was then pumped from the tubing directly into laboratory supplied 40-milliliter glass vials with Teflon® septa for laboratory submittal and analysis. The groundwater samples were submitted to AEL for VOCs analysis by EPA Method 8260.

4.5.5 Piezometer Installation

On August 8, 2023, three piezometers (PZ-01, PZ-02, and PZ-03) were installed at the site. Each piezometer was installed using a hand-auger and DPT drilling methods to a total depth of approximately 15 ft bls.

Upon reaching the completion depth of approximately 15 ft bls at the three shallow piezometer locations, 10 feet of 1-inch diameter, Schedule 40 PVC fine mesh pre-packed screen constructed of 0.006-inch slotted screen and 20/30 sand filter pack, and a 5-foot length of riser pipe were installed into the respective borehole. Thereafter, the rods were pulled and 20/30 sand was added up to approximately 2 ft bls. A 1-foot thick 30/65 sand filter pack was placed on top of the filter pack followed by a neat cement seal to ground surface. The piezometers were then completed with 8-inch diameter steel, bolt-down covers set in a 2-foot x 2-foot thick, slightly elevated concrete pad. Lockable expanding 1-inch diameter plugs were installed to secure the wells. Construction specifications for the piezometers are summarized on **Table 1**. Piezometer locations are shown on **Figure 10** and the construction logs are provided in **Appendix C**.

Each piezometer was developed with a section of 3/8-inch diameter polyethylene tubing installed to the bottom of the well. The tubing was connected to a relatively high-flow peristaltic pump, and the pump was activated. During development, the screened section was also surged by manually moving the tubing up and down in 1-foot lifts. Development proceeded until the water was free of sediment and clarity had improved when examined in a glass jar.

4.5.6 Monitor Well Installation

On August 2, 2023, APTIM personnel installed one shallow monitor well (MW-1) inside the Crystal Cleaners facility. The concrete slab was penetrated using an electric core machine with a 6-inch diameter core barrel. Next, a 3.5-inch diameter, stainless-steel hand auger was utilized to bore down to a depth of approximately 9.5 ft bls. The well was then set into the borehole. The well was constructed of 1.0-inch-diameter PVC (threaded), 0.006 slot well screen with a 30/65 mesh prepacked sand-pack set at between approximately 9.5 to 4.5 ft bls. An approximate 4.5-foot length of solid well casing is connected to the well screen. Additional 30/65 sand was placed around the well to a depth of approximately 1 ft bls. The surface completion included a 5-inch diameter steel manhole set in a 6-inch diameter by 0.5-foot-thick donut shape well pad. A lockable, water-tight expanding plug was installed to secure the well.

On October 23, 2023, APTIM returned to the site to install three additional monitoring wells (MW-2, MW-3, and DW-1). The purpose for well MW-2 and MW-3 was for further evaluation of potential shallow groundwater contamination outside the building and downgradient of the potential drycleaning sources, while DW-1 was constructed to evaluate potential vertical contamination impact. The two shallow wells were constructed using 1.0-inch-diameter PVC (threaded), 0.006 slot well screen with a 20/30 mesh prepacked sand-pack set at between approximately 15 to 5 ft bls. An approximate 5-foot length of solid well riser casing is connected to the well screen. Additional 20/30 sand was placed up around the well to a depth of approximately 3 ft bls, while the DPT push casing was extracted. Above the 20/30 filter pack, a

1-foot thick 30/65 filter pack seal was placed, followed by 1.5 feet of neat cement grout. Monitoring well DW-1 was constructed using a 5-foot length, 1.0-inch-diameter PVC (threaded), 0.006 slot well screen with a 20/30 mesh prepacked sand-pack set at between approximately 30 to 25 ft bls. An approximate 25-foot length of solid well riser casing is connected to the well screen. Additional 20/30 sand was placed up around the well to a depth of approximately 22 ft bls while the DPT push casing was extracted. Above the 20/30 filter pack, a 2-foot thick (22 ft to 20 ft) 30/65 filter pack seal was placed, followed by 19.5 feet (20 to 0.5 foot) of neat cement grout. The surface completion for each well included a 2-foot x 2-foot x 0.5 foot thick well pad and 8-inch diameter steel manhole. A lockable, water-tight expanding plug was installed to secure the well. Well specifications are provided in **Table 1**. The monitoring well locations are shown on **Figure 10** and the well construction logs are provided in **Appendix C**.

4.5.7 Groundwater Monitoring Well and Piezometer Sampling

On August 10, 2023, well MW-1 and piezometers PZ-01, PZ-02, and PZ-03 were sampled. On November 1, 2023, PZ-01, PZ-02, PZ-03, MW-2, MW-3, and DW-1 were sampled. And then on December 14, 2023, DW-1 was resampled. During each event, the wells and piezometers were sampled in accordance with the guidelines presented in the FDEP's Sampling Standard Operating Procedure (SOP) using the micropurge technique, as well as collection of intrinsic sampling data including temperature, conductivity, hydrogen-ion concentration (pH), Redox, dissolved oxygen (DO), and turbidity. The groundwater samples were submitted to AEL and analyzed for the presence of VOCs by EPA Method 8260 (full list). Piezometer and monitoring well locations are shown on **Figure 10**. A copy of the groundwater sampling logs are included in **Appendix D**. Copies of the field notes are included in **Appendix E**.

5.0 ASSESSMENT RESULTS

5.1 Site Geology

The local shallow geology was determined by the completion of two direct-push soil borings LSB-1 and LSB-2, to a total depth of 35 and 43 ft bls, respectively. The material encountered in the borings from land surface to between 4 and 5 ft bls was a dark brown silty fine sand, followed by a medium grained light orange sand down to between 11 and 12 ft bls. Next, down to 27 feet at the northern end of the property at LSB-1, a medium grained tan sand was encountered. At the southern side of the property (LSB-2) this same sand extended to a depth of approximately 36 ft bls. A 1-foot thick lens of dense, poorly sorted silty fine sand was observed from 24 to 25 ft bls at LSB-1, but did not extend to LSB-2. Likewise, a 2-foot thick lens of dense, greenish gray, medium to coarse grain sand between 36 and 38 ft bls was encountered at LSB-2 but did not extent north to LSB-1. The next material encountered was a 1-foot thick dense gray to white limestone at a depth of 27 ft bls (LSB-1) and 38 ft bls (LSB-2). Below the thin limestone unit, the dense greenish gray, medium to coarse grain sand was encountered between 28 and 35 ft bls (LSB-1) and 39 to 43 ft bls at LSB-2. Boring LSB-1 encountered refusal and was terminated at 35 ft bls, and LSB-2 at 43 ft bls, likely on top of a dense limestone unit. Site stratigraphy data based on the lithologic descriptions from the direct-push borings are presented in a geologic cross section as **Figure 7**. Copies of the geologic soil borings logs are in **Appendix B**.

5.2 Site Hydrogeology

Based on the groundwater elevation and lithologic data collected at the site, the dense limestone unit encountered at the boring termination depth of 35 ft bls (LSB-1) and 43 ft bls (LSB-2) may possible represent the uppermost low permeability hydraulic unit beneath the site. Although the limestone encountered at LSB-01 at 35 ft bls was described as dense, the fact that discrete-interval groundwater samples were collected at 38 ft bls at DGS-1, 2, 3, 4, and DGS-5, suggest the limestone encountered at 35 ft bls may not be dense throughout the site. Further testing would be necessary to confirm this, but it is not recommended at this time.

5.3 Soil Sampling Results

The analytical results of soil samples (MAG-1 to MAG-10, and SB-1 to SB-7) collected on July 31 and August 1 and 2, 2023, are summarized in **Table 2**. Samples were collected at a depth of 0.5 ft bls, 2 ft bls, 4 ft bls, and 6 ft bls, which is a depth just above the shallow water table.

The analytical results of the soil samples reported all the targeted compounds at below the laboratory method detection limits (MDL), or between the MDL and the laboratory practical quantitation limit (PQL), which are both below the commercial and residential direct exposure Soil Cleanup Target Levels (SCTLs) and the SCTLs based on leachability.

Figures 11 through 14 illustrate the PCE concentrations from the soil samples collected from the 0.5, 2, 4, and 6 ft bls depths, respectively.

5.4 MAGS Survey Results

During MAGS testing, the average wellhead vacuum measurements generally ranged between 16 and 26 inches of water column (in-WC). The average extraction flow rate ranged between 59 and 62 scfm. The ROI measurements indicated vacuum influence from approximately 14 feet to 35 feet. Vacuum ROI is commonly supported in locations where vacuum levels greater than 0.1 in-WC are observed in unsaturated zone monitoring points.

Analytical data (summarized in **Table 3**) from the August 1 and 2, 2023, sample events indicated the presence of PCE in all the vapor samples collected with results ranging from 105 to 1,040 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). The vapor samples did detect trichloroethene (TCE) above the PQL. Based on the results, the highest PCE levels were at MAG-4 (1,040 $\mu\text{g}/\text{m}^3$), located near the current bathroom and former boiler area, and the next two highest concentrations were at MAG-8 (949 $\mu\text{g}/\text{m}^3$) and MAG-7 (915 $\mu\text{g}/\text{m}^3$), which were both located outside the building with MAG-8 near the current bathroom and former boiler area, and MAG-7 located near one of the rear exit doors.

Although the State does not have an enforceable guidance concentration for PCE in air vapor, it has a recommended concentration of 1,000 $\mu\text{g}/\text{m}^3$ that is considered to be elevated. Because the PCE concentrations at MAG-4, MAG-7, and MAG-8 exceeded or were very near the 1,000 $\mu\text{g}/\text{m}^3$ recommended limit, APTIM returned to the site on December 14, 2023, to collect additional air samples at these three wells. Accordingly, APTIM set up the MAGS testing equipment as discussed in Section 4.4.1, and collected air samples from the three wells for laboratory analysis and submitted to SGS North America, Inc., for analysis by TO-15 for the presence of VOCs. Laboratory analytical results (**Table 3**) from the re-testing event report PCE at MAG-4 (558 $\mu\text{g}/\text{m}^3$), MAG-7 (614 $\mu\text{g}/\text{m}^3$), and MAG-8 (719 $\mu\text{g}/\text{m}^3$), which are all below the 1,000 $\mu\text{g}/\text{m}^3$ threshold limit.

Concentrations of other non-target volatile organics were also detected in the samples above trace levels. Below is a list of the compounds and highest detection:

Acetone = 881 $\mu\text{g}/\text{m}^3$	Isopropanol = 1120 $\mu\text{g}/\text{m}^3$
Benzene = 9.3 $\mu\text{g}/\text{m}^3$	Methylene Chloride = 320 $\mu\text{g}/\text{m}^3$
2-Butanone = 8.8 $\mu\text{g}/\text{m}^3$	Pentane = 29 $\mu\text{g}/\text{m}^3$
Chloroform = 104 $\mu\text{g}/\text{m}^3$	Propene = 32.5 $\mu\text{g}/\text{m}^3$
Ethanol = 335 $\mu\text{g}/\text{m}^3$	Toluene = 33 $\mu\text{g}/\text{m}^3$
Hexane = 254 $\mu\text{g}/\text{m}^3$	Total Xylene = 10 $\mu\text{g}/\text{m}^3$

A summary of the MAGS field and analytical data is included in **Table 3** and the results are presented on **Figure 15**. The field notes are included in **Appendix E** and subsequent calculations for each MAGS test location are provided in **Appendix F**.

5.5 Site Groundwater Flow Characterization

On August 9, 2023, the top-of-casing elevations were surveyed to a benchmark that APTIM identified as belonging to the FDOT. This benchmark was assigned an elevation of 100.00 ft, and based on this benchmark the discrete interval groundwater sample locations were determined. On November 1, 2023, APTIM resurveyed all wells and piezometers relative to the benchmarks installed by SurvTech Solutions, Inc. All benchmark locations are presented on **Figure 16** and **Figure 17**, and the SurvTech Solutions professional survey sheets are presented in **Appendix A**. The November 11, 2023, groundwater flow direction figure has been normalized to reflect the SurvTech Solutions benchmark data.

On August 9 and 10, 2023, and November 1, 2023, groundwater depth measurements were collected from the piezometer and monitoring well network (except MW-1) completed at the time. An electronic water level probe capable of 0.01-foot accuracy was utilized at the time and was properly decontaminated between each measurement. Water level data is summarized in **Table 1**. From this information, groundwater surface contour maps were created based on normalized TOC elevations from SurvTech Solutions, Inc., benchmark data. Based on the August 9, and November 1, 2023, water levels, **Figure 16** and **Figure 17** respectively were generated and illustrate the shallow aquifer flow was towards the east-southeast and east direction respectively, which is towards the direction of the Lake Worth Lagoon.

The horizontal hydraulic gradient was calculated using the groundwater measurements from August 9, and November 1, 2023, between PZ-1 and PZ-2. The horizontal gradient value was calculated by dividing the difference in water table elevations by the distance between the wells. Accordingly, the horizontal gradient for the August 9 and November 11, 2023, water level measurements was calculated at 0.0016 feet per foot (ft/ft) and 0.0009 ft/ft, respectively. The horizontal gradient calculation is provided in **Appendix G**.

The vertical hydraulic gradient was calculated using the November 1, 2023, groundwater elevations. The vertical hydraulic gradient compares groundwater elevations of wells located near one another but screened at different intervals. The difference in groundwater elevations is divided by the difference in feet between the saturated mid-point screen depths of the two wells. Between the shallow well MW-2 and deep well DW-1 located on the east side of the building, the vertical gradient on August 16, 2023, was -0.0011 ft/ft indicating a slight downward gradient. The vertical gradient calculations are also provided in **Appendix G**.

5.6 DPT Groundwater Sampling Results

The direct groundwater sample analytical results from the groundwater samples collected during the advancement of direct-push points DGS-1 through DGS-9 are summarized in **Table 4**. The DPT locations

are shown on **Figure 9**. A discrete-interval screen point sampler was advanced and groundwater samples were collected at three different depths to evaluate possible contaminate migration beneath the site. Groundwater samples were collected from 12, 24, and 38 ft bls in the surficial aquifer, with the deep samples collected near the top of the thin limestone unit.

As listed in **Table 4**, the DPT collected groundwater samples did not result in an exceedance of the Groundwater Cleanup Target Levels (GCTLs). In fact, the results were reported at below the laboratory MDL, or below the PQL. **Figures 18, 19 and 20**, respectively, display the select VOH (PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, and VC) contaminant concentrations of each DPT sample point at the depths of 12, 24, and 38 ft bls. The laboratory analytical report for the discrete sample event is presented in **Appendix H**.

5.7 Piezometer and Groundwater Monitoring Well Sampling Results

On August 10, 2023, groundwater samples were collected from PZ-01, PZ-02, PZ-03, and MW-1. On November 1, 2023, groundwater samples were collected from the three piezometers and MW-2, MW-3, and DW-1. Then, due to an exceedance in PCE at DW-1, APTIM resampled this well on December 14, 2023. As presented in **Table 4**, the groundwater samples collected on August 10, 2023, from the piezometers and MW-1 reported PCE; TCE; cis-1,2-DCE; trans-1,2-DCE; and VC at below the laboratory MDL, or between the MDL and laboratory PQL, which are all below the GCTLs.

Then, following construction of MW-2, MW-3, and DW-1, the piezometers and monitoring wells were sampled for laboratory analysis. With the exception of PCE at 11 µg/L (GCTL = 3 µg/L) at DW-1 all other target compounds were again reported at below the laboratory MDL.

Due to the PCE GCTL exceedance at DW-1, on December 14, 2023, APTIM revisited the site to retain another groundwater sample from DW-1. As presented in **Table 4**, the PCE concentration dropped to 1.8 µg/L, which is below the GCTL of 3 µg/L. Piezometer and groundwater monitoring well analytical results are presented on **Figure 21**, and the laboratory analytical reports are presented in **Appendix H**.

5.8 Natural Attenuation Evaluation

Although only very minimal contamination was identified at the site, it is important to note that the natural attenuation processes for the remaining PCE can often play an integral role in the fate of any remaining contaminants. Throughout the state of Florida, most groundwater resides in an anaerobic-reducing environment that, in many cases, serves to degrade chlorinated aliphatic hydrocarbons such as PCE. Analyses of the combination of certain chemical parameters in groundwater can endorse natural attenuation and/or bioremediation as a part of the remedial alternative for site rehabilitation.

Natural attenuation refers to naturally occurring processes in soil and groundwater environments that act without human intervention to reduce the mass, toxicity, mobility, volume, or concentration of contaminants in those media (FDEP 1999). These in-situ processes include biodegradation, dispersion, dilution, adsorption, volatilization, and chemical or biological stabilization or destruction of contaminants.

A detailed screening test to evaluate the potential for in-situ natural attenuation processes of aliphatic compounds in groundwater was not tasked for the Crystal Cleaners. However, a limited natural attenuation evaluation is included below by utilizing the intrinsic parameter field data collected during groundwater sampling of the monitoring well network (**Table 5**).

In general, no significant change in the intrinsic field parameters were observed across the site, with the exception of slightly decreased temperature and slightly increased pH at in the lower zone of the surficial aquifer. The results of the field data supporting biotic chemical transformations are summarized below.

- The groundwater temperature in the piezometers and wells at the site ranged from 26.7°C to 30.7°C, which is above the 20°C, which allows biochemical processes to accelerate.
- The pH is a measure of the acid/base characteristics of water; specifically, it measures the pH present in water. The pH of groundwater in the wells sampled ranged from 6.8 to 7.5 standard units (su) with one exception. The optimal range for biological activity occurs between a pH of 5 and 9 su. Biodegradation of PCE outside of this pH range is generally inhibited.
- Contaminants that are degraded by anaerobic bacteria require the absence of DO. In some cases, contaminants serve as electron acceptors and, therefore, can be degraded only after DO has been depleted. Also, the DO concentration generally determines whether an aquifer is aerobic or anaerobic. DO concentrations of less than 1.0 mg/L indicate an anaerobic reducing environment, and concentrations of less than 0.5 mg/L indicate a strongly anaerobic reducing environment. DO measurements collected over the sampling events ranged from 0.42 to 1.28 mg/L and averaged 0.86 mg/L, indicating a mildly anaerobic reducing environment somewhat favorable for the possible reductive dechlorination of PCE.
- Some chemical species, including many organic species, can act as either an oxidizing or reducing agent depending on external electrochemical conditions. The concept of redox is used to measure these oxidizing or reducing conditions. Redox is typically measured in millivolts (mV) and can be used to infer the type of biotic chemical contaminant transformation reactions that are possible. In most aquifers, bacteria are present that can mediate many contaminant transformations that require electron transfers. The most oxidizing electron acceptor in groundwater is oxygen. In simple terms, redox is an indication of the availability of electrons in groundwater. A negative redox supports anaerobic or reducing conditions, whereas a positive redox supports aerobic or oxidizing conditions. A likely reductive dechlorination pathway for chlorinated ethenes typically requires redox values below minus (-)100 mV. Redox values below 50 mV can indicate a possible reductive pathway, but reduction is not supported above that level. Redox values over the various sampling events ranged from -189 to -677 mV, averaging -379 mV, suggesting a favorable environment for biologically mediated reductive dechlorination.

5.9 Conceptual Site Model

Based on the observations and data collected during the SAR activities, the following Conceptual Site Model was developed for the site. The release history is based on information presented in the 1997 Site Screening Form which reported the presence of PCE at 1,800 µg/L (GCTL = 3 µg/L) at well TMW-2 and in the soil at the location at 0.53 mg/kg (R-SCTI = 0.03 mg/kg) which were located in the parking area to the

east of the building. Also, in the report, PCE was reported at well TMW-1 located west of the building at 33 µg/L and in the soil at the location at 0.076 mg/kg. Depth to water at the site ranged between approximately 7.5 ft and 8.5 ft bls, and the shallow groundwater flow direction was measured over two events be towards the east and southeast.

Current testing included MAGS vapor analytical testing, which detected PCE at concentrations ranging between 87.5 µg/m³ and 1,040 µg/m³. Based on the PCE vapor results at three MAGS locations, which were reported with concentrations over or approaching 1,000 µg/m³, additional samples were collected at three locations. Laboratory analytical results from the three MAGS resample locations were all below the 1,000 µg/m³ target concentration. Laboratory results from seventeen soil borings where samples were collected from 0.5 ft, 2 ft, 4 ft and 6 ft bls detected PCE in three samples at between the MDL and PQL, the remainder of the analytes were reported below the laboratory MDL's, which are both below the State CTL's. Laboratory results from nine discrete groundwater sample locations where samples were collected at 12 ft, 24 ft and 38 ft bls reported all analytes at below the laboratory MDL's.

The installation of piezometers (3) and shallow groundwater monitoring wells (3) around the facility reported all VOA's at either below the laboratory MDL or between the laboratory PQL and MDL. However, at deep well location DW-1, PCE was reported at 11 µg/L. APTIM's subsequent resampling of DW-1 reported the PCE concentration at 1.8 µg/L.

Based on the data, it appears that a historic release of PCE, contact water, or vapors occurred in the vicinity of the former drycleaning machine, located in the eastern side of the building, based on contamination being reported onsite both upgradient and downgradient of this location. Current data suggests that the previously detected concentrations likely degraded over the past 30 years, since the initial samples were collected, in 1994. Based on the reduction in PCE concentrations over time, to concentrations currently below the GCTL, APTIM recommends the site be approved for Natural Attenuation Monitoring, possibly quarterly for a minimum of one year.

6.0 QUALITY ASSURANCE/QUALITY CONTROL DATA REVIEW

All field activities and sample collection were performed in general accordance with the FDEP's SOP for Field Activities DEP-SOP-001/01, dated January 2017 (effective date April 14, 2018).

The fixed-base laboratories, AEL, is accredited by the National Environmental Laboratory Accreditation Conference (NELAC) and certified under Laboratory Numbers E82574 (Jacksonville), E82535 (Miami), E84589 (Tampa) and E53076 (Altamonte Springs). For the vapor samples, SGS North America, Inc., in Houston, Texas, was used under NELAC certification Laboratory Number E87177. All the NELAC certifications are active by the State of Florida through June 30, 2023.

The AEL analytical reports summarizing the Crystal Cleaners data are Job Numbers M2304301, M2304343, A2309044, M2306104, and A2313928. Each analytical report includes a discussion regarding any quality assurance/quality control issues or assigned data qualifiers which may, or may not, impact the data quality for the sample group. No issues were identified in analytical reports M2304301, (for 48 soil samples), M2304343, (for 20 soil samples) or A2313928.

In AEL analytical report A2309044 (for 15 groundwater samples) Table 4 sample ID DPT06, 10 ft depth) cis -1,2-Dichloroethylene was reported with an "I" qualifier indicating the reported concentration was between the laboratory MDL and the laboratory PQL, the lowest concentration that can be accurately measured, as opposed to just detected (MDL). Accordingly, this analyte result should be considered accurate and reliable.

In AEL Job Number M2306104 (for 7 groundwater and 1 soil sample), during quality control testing, 1,1,2-Trichlorethene in the matrix spike recovery was out of range low, and therefore flagged J4 to indicate an estimated result. Also, the matrix spike and matrix spike duplicate sample was out of range low for arsenic and was flagged J4 indicating an estimated result. However, the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) were within acceptable limits, indicating the analytical batch was in control, and that no further corrective action was required.

For SGS Job Number TD86414 (for 4 air vapor samples), TD86443 (for 5 air samples), and TD87378 (for 3 air samples), it is noted in each report that samples were received by the Houston, Texas, laboratory and analyzed within the recommended holding time. There were reported samples that had compounds flagged with "D" qualifiers indicating results from diluted samples. The quality control relative percent difference (RPD) for duplicate sample TD86407-2DUP had several compounds which were outside control limits due to the sample level below reporting limits. Additionally, multiple compounds analyzed were not Florida NELAP certified. However, the laboratory report also notes the following SGS certified that this report meets the project requirements for analytical data produced for the samples as received at SGS and as stated on the chain-of-custody. SGS certifies that the data meets the Data Quality Objectives for

precision, accuracy and completeness as specified in the SGS Quality Manual except as noted above. This report is to be used in its entirety. SGS is not responsible for any assumptions of data quality if partial data packages are used.

For additional details and specifics regarding the laboratory quality control results for the field samples, see the quality control summaries provided in the analytical reports. Based on the laboratory analytical data review and with consideration of the above summary exceptions, the analytical results presented within this report appear to be usable for the intended purpose of site assessment. Copies of the soil and groundwater laboratory analytical reports and chain-of-custody records are included in **Appendix H**.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

The following conclusions were derived from the data presented in this report.

- According to the DSCP Application (signed June 27, 1997), the Crystal Cleaners drycleaning facility was in operation between February 26, 1987, to June 1, 1997. The facility reportedly used PCE and Valclene based solvents during operation, and no releases were noted in the 1997 application. A Site Screening Report Form was completed for the cleaners on June 26, 1997. In the Site Screening Report Form, groundwater analytical results from a PSI report two temporary groundwater monitor wells (TMW-1 and TMW-2) were constructed. PCE concentration at TMW-1 (west side of building) was 33 µg/L, and at TMW-2 (east side of building) was 1,800 µg/L (GCTL = 3 µg/L). Soil collected at TMW-1 (0-2 ft bls) contained PCE at 67 µg/kg, and at TMW-2 (2-4 ft bls) PCE was at 53 µg/kg (R-SCTL = 8,800 µg/kg).
- Shallow lithology was investigated by two direct-push soil boring (35 feet and 43 feet total depth). Below is a summary of the lithology encountered.
 - Land surface down to 4-5 ft bls: dark brown silty fine sand.
 - From 4-5 ft bls down to 11-12 ft bls: light orange medium grain sand.
 - From 11-12 ft bls down to 27-32 ft bls: tan medium grain sand.
 - Below the soil noted above is an approximate 2-foot thick lens of greenish-gray medium to coarse grain sand that extends towards the north from (LSB-2), but does not extend to the northern boring (LSB-1).
 - Below the above unit is an approximate 1-foot thick limestone.
 - Encountered at between 28 ft bls and 39 ft bls, below the above limestone is greenish-gray medium to coarse grain sand.
 - Refusal encountered on a limestone at 43 ft bls (LSB-2), and at 35 ft bls (LSB-1).
- Although the first limestone that was approximately 1-foot in thickness was described as dense, the DPT drill-rig was able to penetrate it at multiple locations during discreet groundwater sampling. The next unit of potential hydrologic significance is at the depth where the borings were terminated (35 and 43 ft bls).
- Discrete interval soil analytical testing from seven soil borings (SB-1 through SB-7), with samples collected at 0-0.5, 2, 4, and 6 ft bls, reported all VOH compounds below the laboratory MDL, which are also below the SCTLs.
- MAGS test location soil sampling results from the 10 soil borings (MAG-1 through MAG-10), at similar intervals as the soil borings noted above, also reported all VOH compounds at either

below the laboratory MDL, or between the MDL and laboratory PQL, which are both below the SCTLs.

- Although the State does not have an enforceable guidance concentration for PCE in air vapor, it has a recommended concentration of 1,000 $\mu\text{g}/\text{m}^3$ that is considered to be elevated and may require remediation. During MAGS subsurface vapor testing PCE was detected in excess or slightly less than the 1,000 $\mu\text{g}/\text{m}^3$ recommended guidance concentration at MAG-4 (1,040 $\mu\text{g}/\text{m}^3$), MAG-7 (915 $\mu\text{g}/\text{m}^3$), and MAG-8 (949 $\mu\text{g}/\text{m}^3$). Accordingly, APTIM returned to the site to preform additional MAGS testing and air vapor sample collection at these three locations. Laboratory analytical test results for the additional testing report significant reduction in the PCE concentration at MAG-4 (558 $\mu\text{g}/\text{m}^3$), MAG-7 (614 $\mu\text{g}/\text{m}^3$), and MAG-8 (719 $\mu\text{g}/\text{m}^3$).
- The shallow groundwater flow direction beneath the facility from water levels recorded at the piezometer and monitoring wells indicate the flow towards the east and east-southeast.
- The groundwater monitoring well network included three piezometers installed to a depth of 15 ft bls, three shallow monitoring wells installed to total depths of between 9.5 and 15 ft bls, and one vertical extent well installed to 30 ft bls.
- The only VOH compound detected in the groundwater in excess of the laboratory PQL was PCE. At well DW-1, PCE was detected on November 1, 2023, at a concentration of 11 $\mu\text{g}/\text{L}$ (GCTL = 3 $\mu\text{g}/\text{L}$). On December 14, 2023, APTIM returned to the site to resample DW-1. Laboratory results from the resample event reported PCE at 1.8 $\mu\text{g}/\text{L}$.
- The basic groundwater geochemistry parameters at the site appear to support natural attenuation of VOHs.

7.2 Recommendations

Based on the soil data presented in this report, VOC soil contaminant concentrations initially detected and reported by PSI in 1997, were not duplicated during this site assessment. In fact, assessment results from the 17-soil boring (MAGS and SB's) with 68 individual samples retained from the 0.5, 2, 4 and 6 ft bls depths, report all laboratory results were at either below the laboratory MDL or PQL. Also, soil air testing for VOCs reported PCE at below the States recommended exceedance concentration of 1,000 $\mu\text{g}/\text{m}^3$.

Groundwater at well DW-1 detected PCE a 11 $\mu\text{g}/\text{L}$, which is in excess of the Chapter 62-777, F.A.C., Table I, GCTL of 3 $\mu\text{g}/\text{L}$. Subsequent resampling of DW-1 reported the PCE concentration at 1.8 $\mu\text{g}/\text{L}$. Based on the reduction in PCE concentration to below the GCTL, APTIM recommends the site be approved for Natural Attenuation Monitoring, possibly quarterly for a minimum of one year.

8.0 DISCLAIMER

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client, unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, timeframes, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

9.0 REFERENCES

Florida Department of Health (DOH), Bureau of Water Programs, Division of Environmental Health, EH Water Mapping Application, <https://gis.flhealth.gov/ehwater/>, website search 2023.

James J. Schnider, *Geologic Data from Test Drilling in Palm Beach County, Florida since 1970*, United States Department of the Interior, U.S. Geological Survey, Open-File Report 76-713, August 1976.

Larry F. Land, Harry G. Rodis and James J. Schneider, *Appraisal of the Water Resources of Eastern Palm Beach County, Florida*, Florida Geological Survey, Report of Investigation No. 67, Tallahassee, Florida, 1973.

Swaze, G.J. and Miller, Wesley L., *Hydrology of a Zone of Secondary Permeability in the Surficial Aquifer of Eastern Palm Beach County, Florida*, United States Department of the Interior, U.S. Geological Survey, Water-Resources Investigations Report 83-4249, Tallahassee, Florida, 1984.

TABLES

TABLE 1: WELL SPECIFICATION AND GROUNDWATER ELEVATION DATA

Facility Name: Crystal Cleaners Facility ID ERIC_5171

WELL ID	PZ-1		PZ-2		PZ-3		MW-1		MW-2		MW-3	
DIAMETER	1"		1"		1"		1"		1"		1"	
WELL DEPTH	15'		15'		15'		9.5		15'		15'	
SCREEN INTERVAL	5' - 15'		5' - 15'		5' - 15'		4.5' - 9.5		5' - 15'		5' - 15'	
TOC ELEVATION (12/14/23)	13.29		13.31		12.77		-		13.52		13.29	
DATE	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
08/09/23	8.12	5.17	8.32	4.99	7.69	5.08	--	--	--	--	--	--
08/10/23	8.12	5.17	8.33	4.98	7.70	5.07	8.42	--	--	--	--	--
11/01/23	8.05	5.24	8.18	5.13	7.56	5.21	--	--	8.37	5.15	8.20	#REF!
12/14/23	--	--	--	--	--	--	--	--	--	--	--	--

WELL ID	DW-1		Blank		Blank		Blank		Blank		Blank	
DIAMETER	1"											
WELL DEPTH	30'											
SCREEN INTERVAL	25' - 30'											
TOC ELEVATION (12/14/23)	13.43											
DATE	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
11/1/2023	8.30	5.13										
12/14/23	8.66	4.77										

Notes: Blank cell = no data

ELEV = surveyed elevation in feet relative to NAVD-88.

DTW = depth to water in feet below top of casing (TOC)

Screen Interval = approximate measurement in feet below land surface

Well depth = confirmation field measurement in feet below land surface

Shaded dates pertain to the most recent gauging event

TABLE 2: SUMMARY OF SOIL ANALYTICAL DATA

Facility Name: Crystal Cleaners Facility ID ERIC_5171

Sample			PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
Location	Depth (ft btoc)	Date					
Concentrations in micrograms per liter (µg/kg)							
Residential SCTL (µg/kg):			8,800	6,400	33,000	53,000	200
Commercial/Industrial SCTL (µg/kg):			18,000	9,300	180,000	290,000	800
Leachability SCTL (µg/kg):			30	30	400	700	7
MAG-1	0.5'	7/31/23	0.65 U	0.62 U	0.48 U	0.50 U	0.55 U
	2'	7/31/23	0.57 U	0.54 U	0.42 U	0.44 U	0.48 U
	4'	7/31/23	0.62 U	0.59 U	0.46 U	0.48 U	0.52 U
	6'	7/31/23	0.61 U	0.58 U	0.45 U	0.47 U	0.51 U
MAG-2	0.5'	7/31/23	0.57 U	0.54 U	0.42 U	0.44 U	0.41 U
	2'	7/31/23	0.58 U	0.55 U	0.43 U	0.45 U	0.48 U
	4'	7/31/23	0.62 U	0.59 U	0.46 U	0.48 U	0.52 U
	6'	7/31/23	0.63 U	0.60 U	0.46 U	0.48 U	0.53 U
MAG-3	0.5'	7/31/23	1.4 I	0.55 U	0.43 U	0.44 U	0.48 U
	2'	7/31/23	0.61 U	0.58 U	0.45 U	0.47 U	0.51 U
	4'	7/31/23	0.63 U	0.60 U	0.46 U	0.48 U	0.53 U
	6'	7/31/23	0.69 U	0.66 U	0.51 U	0.53 U	0.58 U
MAG-4	0.5'	7/31/23	0.68 U	0.65 U	0.50 U	0.52 U	0.57 U
	2'	7/31/23	1.1 I	0.59 U	0.46 U	0.48 U	0.52 U
	4'	7/31/23	0.58 U	0.55 U	0.43 U	0.45 U	0.48 U
	6'	7/31/23	0.70 U	0.66 U	0.51 U	0.54 U	0.58 U
MAG-5	0.5'	7/31/23	1.2 I	0.62 U	0.48 U	0.50 U	0.55 U
	2'	7/31/23	0.69 U	.066 U	0.51 U	0.53 U	0.58 U
	4'	7/31/23	0.69 U	0.65 U	0.51 U	0.53 U	0.57 U
	6'	7/31/23	068 U	0.65 U	0.50 U	0.53 U	0.57 U
MAG-6	0.5'	7/31/23	0.62 U	0.59 U	0.46 U	0.48 U	0.52 U
	2'	7/31/23	0.66 U	0.63 U	0.49 U	0.51 U	0.55 U
	4'	7/31/23	0.75 U	0.72 U	0.56 U	0.58 U	0.63 U
	6'	7/31/23	0.71 U	0.67 U	0.52 U	0.54 U	0.59 U
MAG-7	0.5'	8/1/23	0.64 U	0.61 U	0.48 U	0.50 U	0.54 U
	2'	8/1/23	0.63 U	060 U	0.46 U	0.49 U	0.53 U
	4'	8/1/23	0.59 U	0.57 U	0.44 U	0.46 U	0.50 U
	6'	8/1/83	0.59 U	0.57 U	0.44 U	0.46 U	0.50 U
MAG-8	0.5'	8/1/23	0.85 I	0.65 U	0.50 U	0.53 U	0.57 U
	2'	8/1/23	0.58 U	0.55 U	0.43 U	0.45 U	0.49 U
	4'	8/1/23	0.62 U	0.59 U	0.46 U	0.48 U	0.52 U
	6'	8/1/83	0.59 U	0.56 U	0.43 U	0.45 U	0.49 U
MAG-9	0.5'	8/1/23	0.66 U	0.62 U	0.48 U	0.51 U	0.55 U
	2'	8/1/23	0.67 U	0.64 U	0.50 U	0.52 U	0.56 U
	4'	8/1/23	0.68 U	0.64 U	0.50 U	0.52 U	056 U
	6'	8/1/83	0.63 U	0.60 U	0.46 U	0.48 U	0.52 U
MAG-10	0.5'	8/1/23	0.62 U	0.59 U	0.46 U	0.48 U	0.52 U
	2'	8/1/23	0.65 U	0.61 U	0.48 U	0.50 U	0.54 U
	4'	8/1/23	0.66 U	0.63 U	0.49 U	0.51 U	0.56 U
	6'	8/1/83	0.64 U	0.61 U	0.47 U	0.49 U	0.53 U

TABLE 2: SUMMARY OF SOIL ANALYTICAL DATA

Facility Name: Crystal Cleaners Facility ID ERIC_5171

Sample			PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
Location	Depth (ft btoc)	Date					
Concentrations in micrograms per liter (µg/kg)							
Residential SCTL (µg/kg):			8,800	6,400	33,000	53,000	200
Commercial/Industrial SCTL (µg/kg):			18,000	9,300	180,000	290,000	800
Leachability SCTL (µg/kg):			30	30	400	700	7
SB-1	0.5'	7/31/23	0.60 U	0.57 U	0.44 U	0.46 U	0.50 U
	2'	7/31/23	0.68 U	0.65 U	0.50 U	0.53 U	0.57 U
	4'	7/31/23	0.61 U	0.58 U	0.45 U	0.47 U	0.51 U
	6'	7/31/23	0.60 U	0.57 U	0.44 U	0.46 U	0.50 U
SB-2	0.5'	7/31/23	0.56 U	0.54 U	0.42 U	0.43 U	0.47 U
	2'	7/31/23	0.59 U	0.56 U	0.43 U	0.45 U	0.49 U
	4'	7/31/23	0.62 U	0.59 U	0.46 U	0.48 U	0.52 U
	6'	7/31/23	0.60 U	0.57 U	0.44 U	0.46 U	0.50 U
SB-3	0.5'	8/2/23	0.67 U	0.63 U	0.49 U	0.51 U	0.56 U
	2'	8/2/23	0.57 U	0.55 U	0.42 U	0.44 U	0.48 U
	4'	8/2/23	0.62 U	0.59 U	0.46 U	0.48 U	0.52 U
	6'	8/2/23	0.60 U	0.57 U	0.44 U	0.46 U	0.50 U
SB-4	0.5'	8/2/23	0.68 U	0.64 U	0.50 U	0.52 U	0.56 U
	2'	8/2/23	0.68 U	0.64 U	0.50 U	0.52 U	0.56 U
	4'	8/2/23	0.59 U	0.56 U	0.43 U	0.45 U	0.49 U
	6'	8/2/23	0.66 U	0.63 U	0.49 U	0.51 U	0.55 U
SB-5	0.5'	8/2/23	0.90 U	0.86 U	0.67 U	0.69 U	0.75 U
	2'	8/2/23	0.63 U	0.60 U	0.46 U	0.48 U	0.53 U
	4'	8/2/23	0.63 U	0.60 U	0.47 U	0.49 U	0.53 U
	6'	8/2/23	0.85 U	0.81 U	0.63 U	0.66 U	0.71 U
SB-6	0.5'	8/2/23	0.70 U	0.66 U	0.51 U	0.54 U	0.58 U
	2'	8/2/23	0.64 U	0.61 U	0.47 U	0.49 U	0.53 U
	4'	8/2/23	0.50 U	0.48 U	0.37 U	0.39 U	0.42 U
	6'	8/2/23	0.65 U	0.62 U	0.48 U	0.50 U	0.55 U
SB-7	0.5'	8/2/23	0.58 U	0.55 U	0.43 U	0.45 U	0.49 U
	2'	8/2/23	0.62 U	0.59 U	0.46 U	0.48 U	0.52 U
	4'	8/2/23	0.62 U	0.59 U	0.46 U	0.48 U	0.52 U
	6'	8/2/23	0.61 U	0.58 U	0.45 U	0.47 U	0.51 U

Notes: SCTLs = Soil Cleanup Target Levels per Chapter 62-777, Table II, Florida Administrative Code

Yellow shading represents Direct Exposure Residential SCTL was exceeded.

Green represents Direct Exposure Commercial/Industrial SCTL was exceeded.

Pink number represents Leachability SCTL was exceeded.

U = Not Detected above the Method Detection Limit

I = reported value is between MDL and PQL

Bold Text Denotes detection above Laboratory Detection Limit

Analytical results in micrograms per kilogram (µg/kg).

ft bls = feet below land surface

PQL = practical quantitation limit

Blank cell = no datum

DUP = duplicate sample

ft bls = feet below land surface

PCE = tetrachloroethene

TCE = trichloroethene

DCE = dichloroethene

MDL = method detection limit

TABLE 3: MODIFIED ACTIVE GAS SAMPLING DATA SUMMARY

Facility Name: Crystal Cleaners Facility ID ERIC_5171

Sample Point	Sample Collection Date	Wellhead Vacuum (average)	Extraction Flow Rate (average)	Vacuum Radius of Influence	Extraction Radius	OVA-PID Response	PCE	TCE
		(in-WC)	(scfm)	(ft)	(ft)	(ppm)	(µg/m ³)	
MAG-1	8/1/2023	20	60	21	1.9	0.0	260 ^d	0.38 (l)
					15.5	0.0		
MAG-2	8/1/2023	16	61	30	4.7	0.0	125	0.16 (l)
					15.6	0.0		
MAG-3	8/1/2023	19	62	28	4.7	0.0	116	0.18 (l)
					15.0	0.0		
MAG-4	8/1/2023	19	60	28	4.7	0.0	1040	1.7 (l)
					15.5	0.0		
	12/14/2023	22	62	--	4.8	0.0	558 ^c	1.3 (l)
					15.1	0.0		
MAG-5	8/1/2023	20	60	35	4.7	0.0	363	0.35 (l)
					15.5	0.0		
MAG-6	8/2/2023	20	60	14	4.6	0.7	105	0.23 (l)
					15.3	1.1		
MAG-7	8/1/2023	20	60	23	4.6	0.0	915 ^e	0.70 (l)
					15.2	0.0		
	12/14/2023	20	62	--	4.7	0.1	614 ^c	0.40 (l)
					15.5	0.1		
MAG-8	8/2/2023	20	60	23	4.5	0.8	949 ^e	1.2 (l)
					15.1	0.5		
	12/14/2023	26	62	--	4.7	0.1	719 ^c	1.2 (l)
					15.5	0.2		
MAG-9	8/2/2023	20	60	35	4.5	0.3	488	0.64 (l)
					15.1	0.2		
MAG-10	8/2/2023	21	59	33	4.5	0.0	87.5	0.26 (l)
					15.0	0.0		

Notes:

i = reported value is between MDL and PQL

MDL = method detection limit

PQL = practical quantitation limit

PCE = tetrachloroethylene

TCE = trichloroethylene

U = The compound was analyzed for, but not detected above the indicated laboratory method detection limit.

in-WC = inches of water column

scfm = standard cubic ft per minute

ppm = parts per million

µg/m³ = micrograms per cubic meter

OVA-PID = organic vapor analyzer/photo-ionization detector

NS denotes Not Sampled

NA denotes Not Available

e = Result from Run #2

d = Result from Run #2

c = Result from Run #2

TABLE 4: SUMMARY OF GROUNDWATER ANALYTICAL DATA

Facility Name: Crystal Cleaners

Facility ID ERIC_5171

Sample			PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
Location	Depth (ft btoc)	Date					
FDEP CTL			3	3	70	100	1
FDEP NADC			300	300	700	1,000	100
PZ-01	10	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	9	11/01/23	0.48 U	0.46 U	0.48 U	0.59 U	0.12 U
PZ-02	10	08/10/23	0.5 I	0.32 U	0.39 U	0.39 U	0.44 U
	9	11/01/23	0.48 U	0.46 U	0.48 U	0.59 U	0.12 U
PZ-03	10	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	10	11/01/23	0.48 U	0.46 U	0.48 U	0.59 U	0.12 U
MW-1	9	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
MW-2	10	11/01/23	0.48 U	0.46 U	0.48 U	0.59 U	0.12 U
MW-3	10	11/01/23	0.48 U	0.46 U	0.48 U	0.59 U	0.12 U
DW-1	28	11/01/23	11	0.46 U	0.48 U	0.59 U	0.12 U
	27.5	12/14/23	1.8	0.32 U	0.39 U	0.39 U	0.44 U
DGS-1	12	08/09/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	24	08/09/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	38	08/09/23	0.45 U	0.55 I	0.39 U	0.39 U	0.44 U
DGS-2	12	08/09/23	0.46 I	0.32 U	0.39U	0.39 U	0.44 U
	24	08/09/23	0.45 U	0.32 U	0.39U	0.39 U	0.44 U
	38	08/09/23	0.45 U	0.32 U	0.39U	0.39 U	0.44 U
DGS-3	12	08/09/23	0.45 U	0.32 U	0.39U	0.39 U	0.44 U
	24	08/09/23	0.45 U	0.32 U	0.39U	0.39 U	0.44 U
	38	08/09/23	0.45 U	0.32 U	0.39U	0.39 U	0.44 U
DGS-4	12	08/09/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	24	08/09/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	38	08/09/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U

TABLE 4: SUMMARY OF GROUNDWATER ANALYTICAL DATA

Facility Name: Crystal Cleaners Facility ID ERIC_5171

Sample			PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
Location	Depth (ft btoc)	Date					
			Concentrations in micrograms per liter (µg/L)				
FDEP CTL			3	3	70	100	1
FDEP NADC			300	300	700	1,000	100
DGS-5	12	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	24	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	38	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
DGS-6	12	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	24	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	38	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
DGS-7	12	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	24	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	38	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
DGS-8	12	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	24	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	38	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
DGS-9	12	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	24	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U
	38	08/10/23	0.45 U	0.32 U	0.39 U	0.39 U	0.44 U

Notes: Blank cell = no datum
 DUP = duplicate sample
 ft btoc = feet below top-of-casing
 PCE = tetrachloroethene
 TCE = trichloroethene
 DCE = dichloroethene
 VOHs = volatile organic halocarbons
 Yellow shading above the GCTL
 Green shading above the NADC
 Denotes Current Analytical Results

Analytical results in micrograms per liter (µg/L).
 GCTL = Groundwater Cleanup Target Level (FAC Chapter 62-777)
 NADC = Natural Attenuation Default Concentration (62-777)
 MDL = method detection limit
 PQL = practical quantitation limit
 i = reported value is between MDL and PQL
 Number in parentheses denotes alternate detection limit
 Bold Text Denotes detection above Laboratory MDL
 U = Not Detected above the Method Detection Limit

TABLE 5: GROUNDWATER INTRINSIC SAMPLING DATA

Facility Name: Crystal Cleaners Facility ID ERIC_5171

Sample			Temp (C)	Cond (μ S/cm)	pH (su)	Redox (mV)	DO (mg/L)	Turb (NTU)
Well ID	Depth (ft btoc)	Date						
PZ-01	10	08/10/23	30.7	487	6.99	-190	0.63	6.8
	9	11/01/23	28.1	452	6.85	-677	0.55	5.4
PZ-02	10	08/10/23	30.7	593	6.94	-189	0.70	9.8
	10	11/01/23	28.6	450	7.08	-456	1.01	3.8
PZ-03	10	08/10/23	31.3	534	7.12	-190	0.74	6.3
	9	11/01/23	27.4	484	6.95	-553	1.07	7.5
MW-1	9	08/10/23	29.5	413	7.08	-191	0.73	10.3
MW-2	10	11/01/23	27.5	455	6.92	-329	1.82	1.9
MW-3	10	11/01/23	27.4	489	6.82	-626	0.53	12.8
DW-1	28	11/01/23	26.9	456	7.52	-571	0.42	0.2
	27.5	12/14/23	26.7	423	7.49	-200	1.28	4.1

Notes:

mV = millivolts

Turb. = turbidity

pH = hydrogen ion concentration

su = standard units

C = degrees Celcius

Temp = temperature

DO = dissolved oxygen

blank cell = no data

mg/L = milligrams per liter

Cond = specific conductivity

ORP = oxidation reduction potential

ft btoc = feet below top of casing

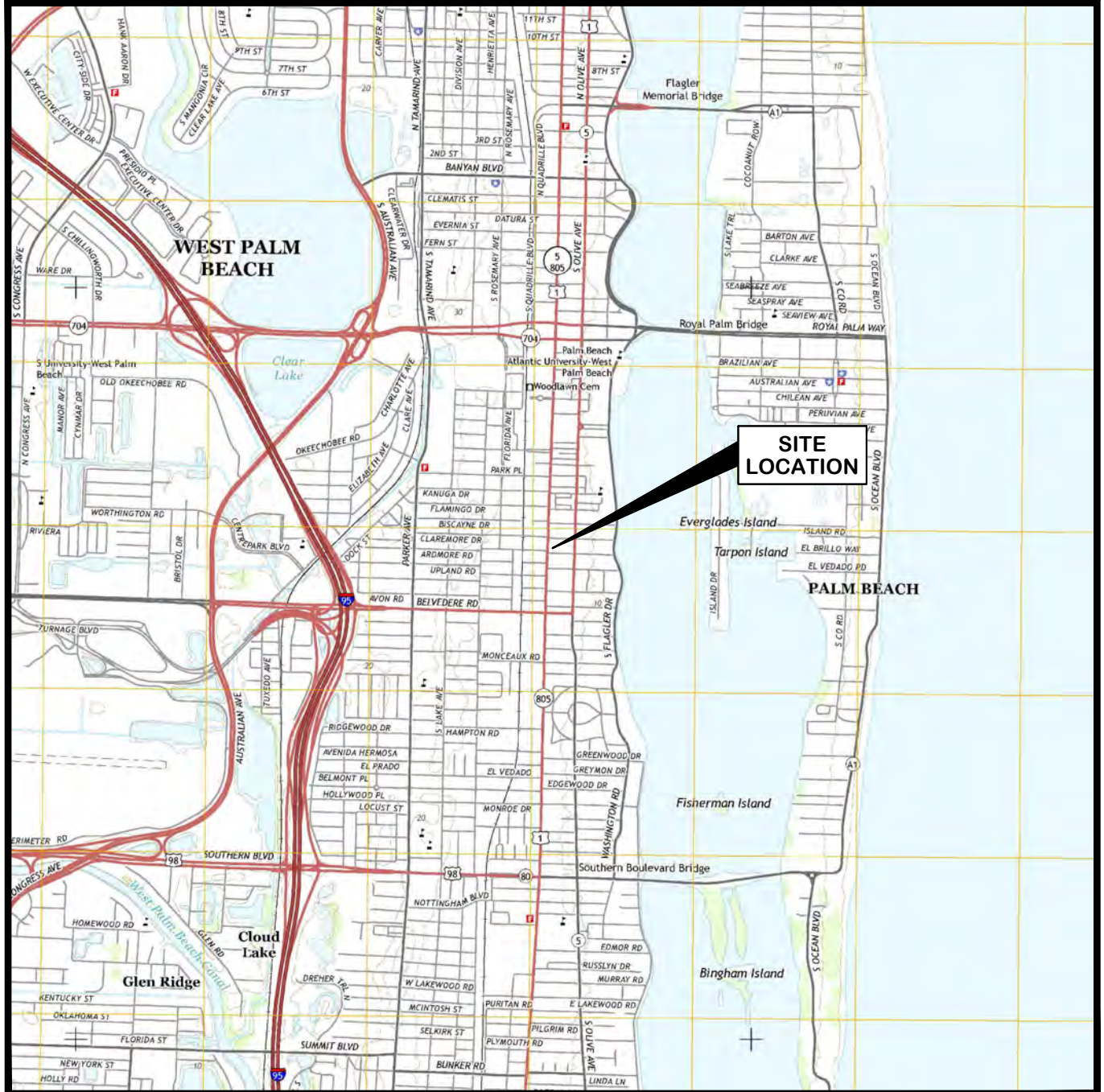
NTU = nephelometric turbidity units

 μ S/cm = microSiemens per centimeter

DUP = duplicate sample

Shaded dates pertain to the most recent sampling event.

FIGURES



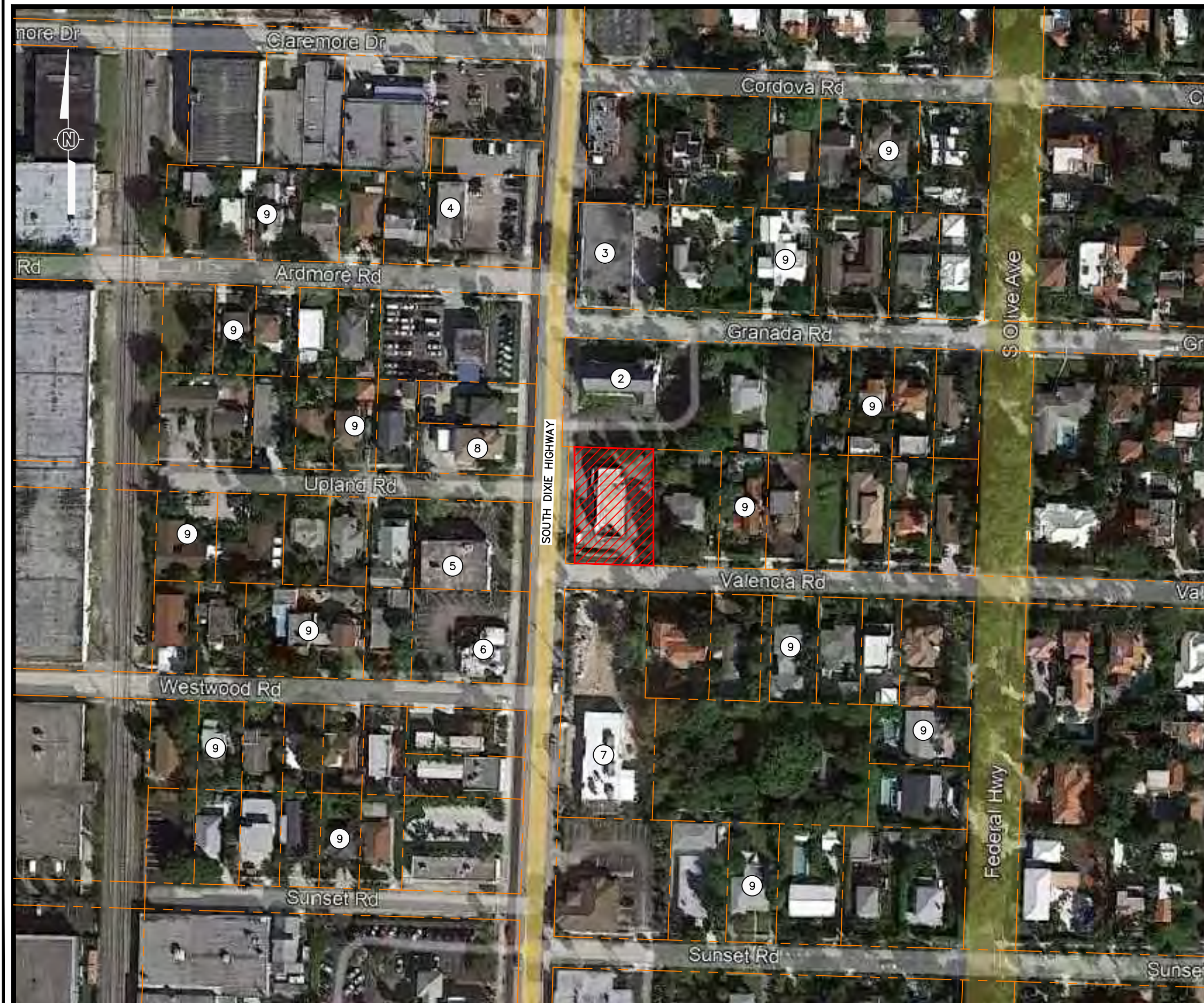
REFERENCE:

7.5 MINUTE U.S.G.S. TOPOGRAPHIC
QUADRANGLE MAP, PALM BEACH,
FLORIDA, DATED 2015.



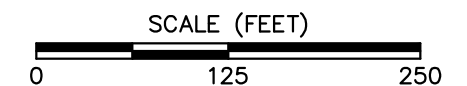
APTIM ENVIRONMENTAL &
INFRASTRUCTURE, LLC
725 U.S. HIGHWAY 301 SOUTH
TAMPA, FLORIDA 33619
(813) 612-3600 OFFICE
(813) 626-1663 FAX

OFFICE: TAMPA	DATE: 2-20-24	ACAD FILE: 1384A1
SITE LOCATION MAP		
CLIENT: FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		PM: GHR
LOCATION: CRYSTAL CLEANERS 2316 SOUTH DIXIE HIGHWAY WEST PALM BEACH, PALM BEACH COUNTY, FL FDEP FACILITY ID No. ERIC_5171 FORMER FDEP FACILITY ID No. 50/9502121		
DESIGNED: SF	DRAWN: SDJF	PROJECT NO.: 631031384
		FIGURE: 1



LEGEND:

-  APPROXIMATE PROPERTY BOUNDARY
-  CRYSTAL CLEANERS
(2316 SOUTH DIXIE HIGHWAY)
-  REDEEMER LUTHERAN CHURCH
(2300 S. DIXIE HIGHWAY)
-  HIVE TRADE SHOWROOM
(2248 S. DIXIE HIGHWAY)
-  ENTERPRISE RENT-A-CAR
(2215 S. DIXIE HIGHWAY)
-  JC WHITE ARCHITECTURAL
(2403 S. DIXIE HIGHWAY)
-  PB WRAPS
(2409 S. DIXIE HIGHWAY)
-  PIG BEACH BBQ
(2400 S. DIXIE HIGHWAY)
-  KOROL DENTAL
(2315 S. DIXIE HIGHWAY)
-  RESIDENTIAL



APTIM ENVIRONMENTAL &
INFRASTRUCTURE, LLC
725 U.S. HIGHWAY 301 SOUTH
TAMPA, FLORIDA 33619
(813) 612-3600 OFFICE
(813) 626-1663 FAX

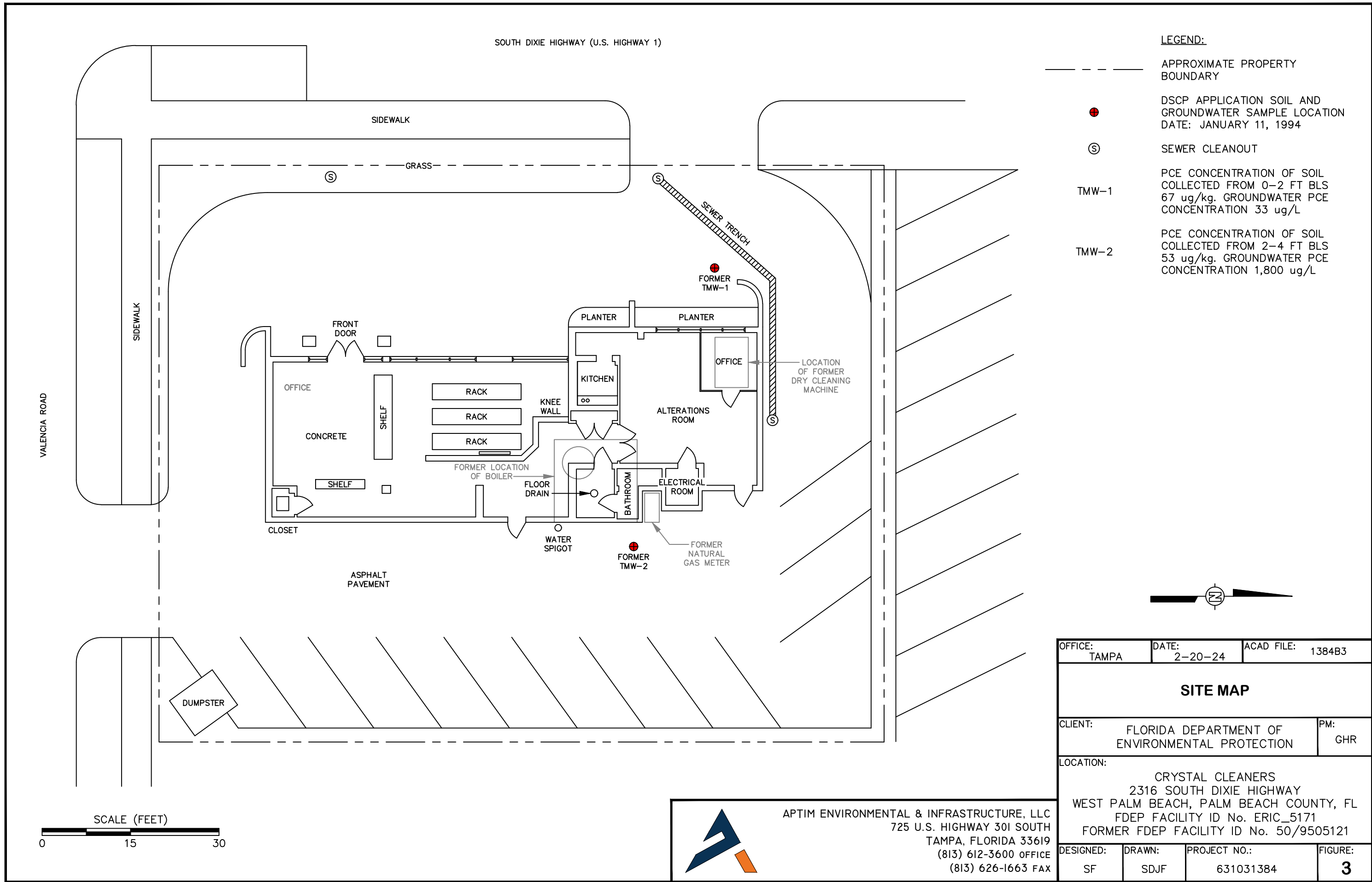
OFFICE: TAMPA	DATE: 2-20-24	ACAD FILE: 1384B2

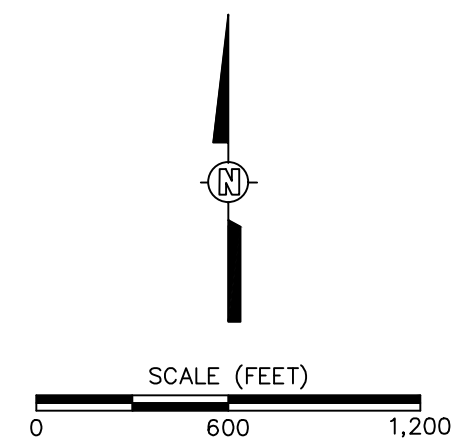
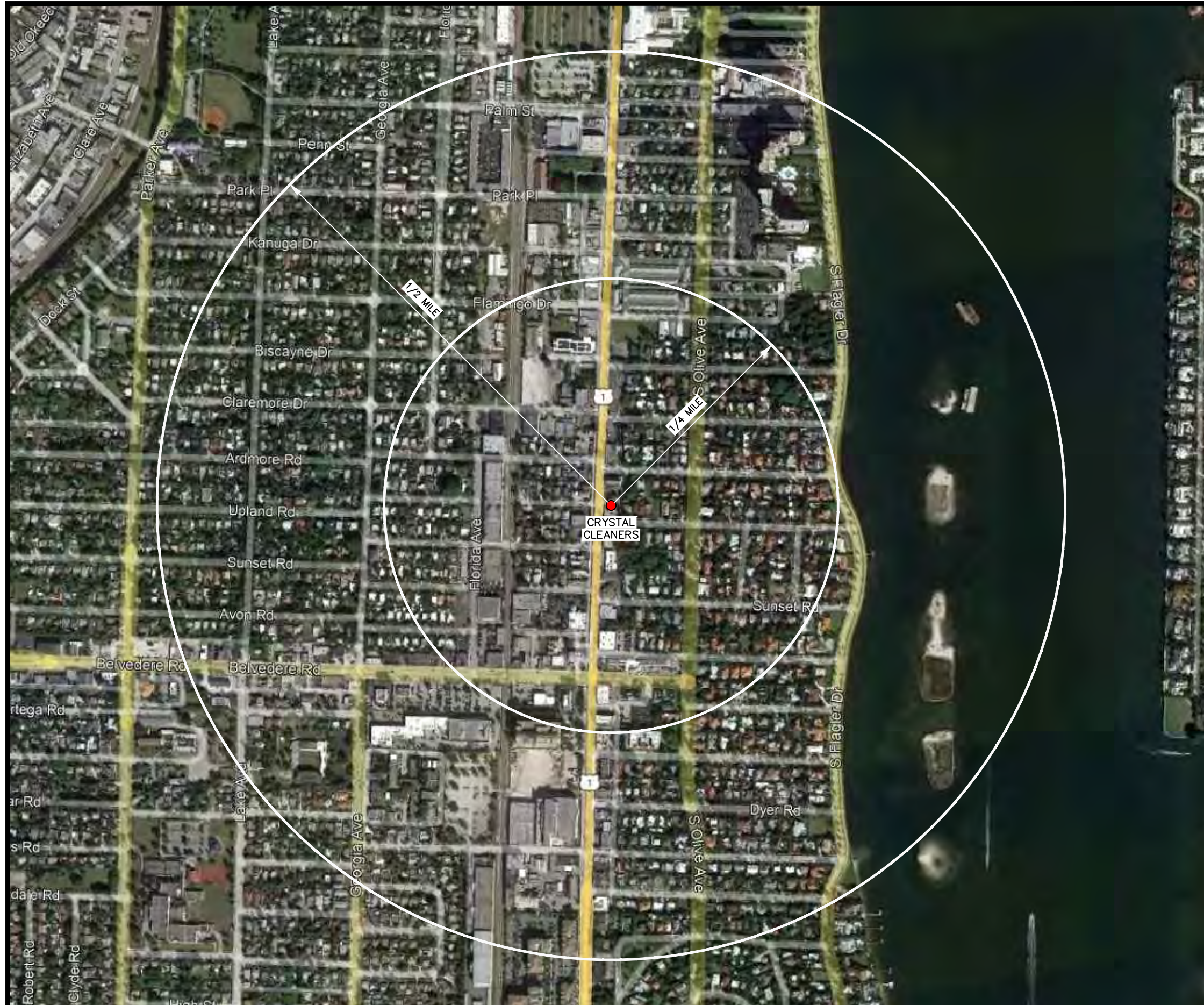
LOCAL LAND USE MAP

CLIENT:	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	PM: GHR

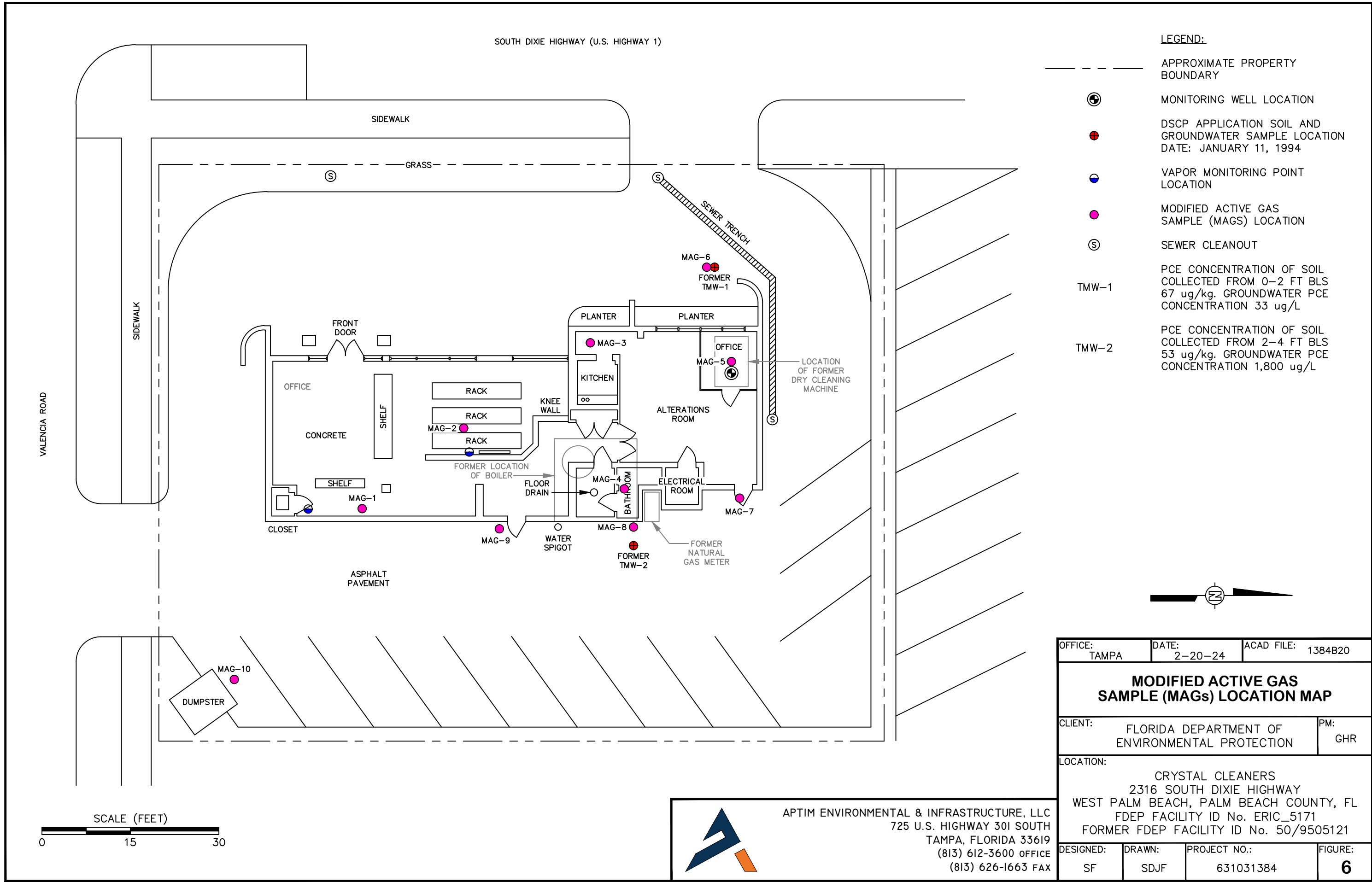
LOCATION:
CRYSTAL CLEANERS
2316 SOUTH DIXIE HIGHWAY
WEST PALM BEACH, PALM BEACH COUNTY, FL
FDEP FACILITY ID No. ERIC_5171
FORMER FDEP FACILITY ID No. 50/9502121

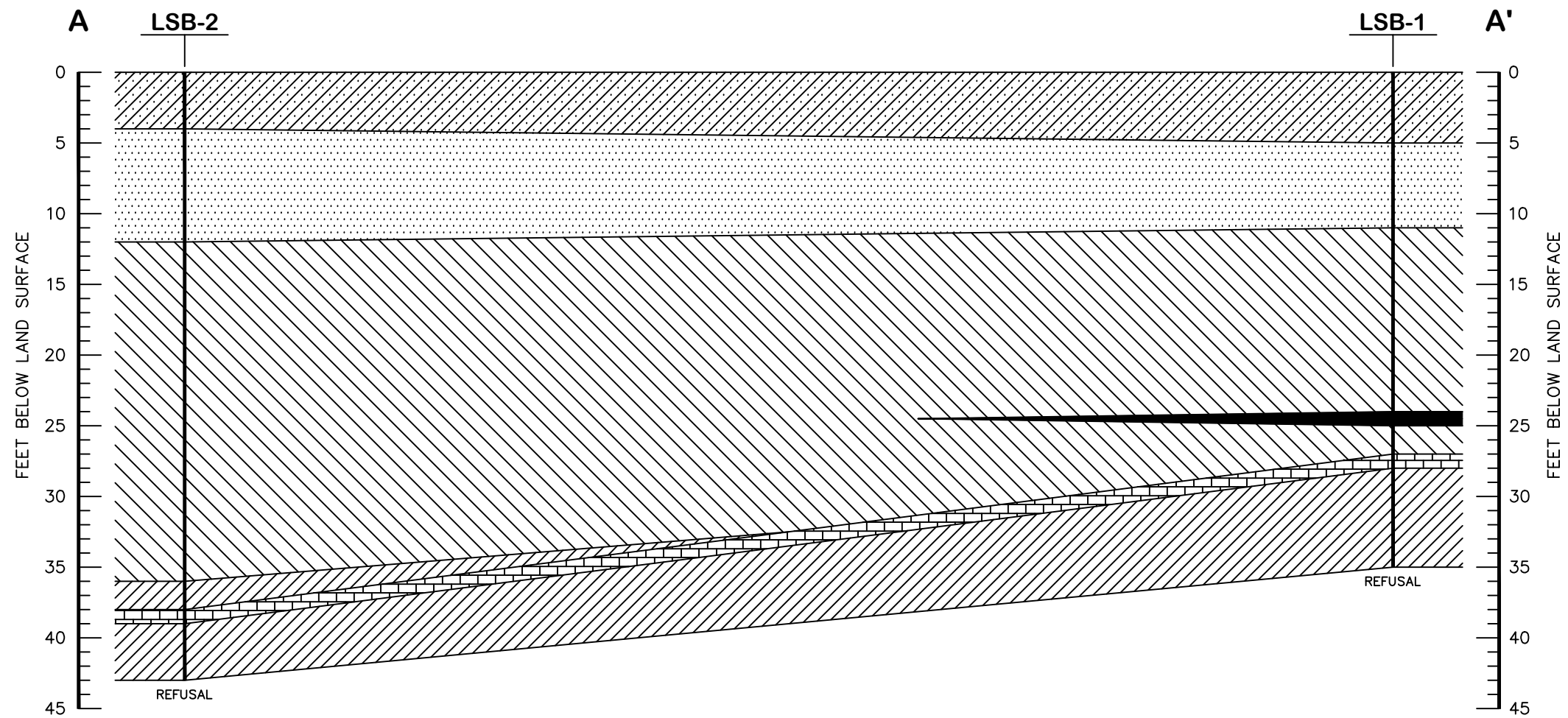
DESIGNED: SF	DRAWN: SDJF	PROJECT NO.: 631031384	FIGURE: 2



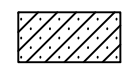
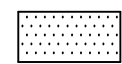


		APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC 725 U.S. HIGHWAY 301 SOUTH TAMPA, FLORIDA 33619 (813) 612-3600 OFFICE (813) 626-1663 FAX	
OFFICE: TAMPA	DATE: 2-20-24	ACAD FILE:	1384B22
WELL SURVEY RADIUS MAP			
CLIENT: FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		PM: GHR	
LOCATION: CRYSTAL CLEANERS 2316 SOUTH DIXIE HIGHWAY (US-1) WEST PALM BEACH, PALM BEACH COUNTY, FL FDEP FACILITY ID No. ERIC_5171 FORMER FDEP FACILITY ID No. 50/9505121			
DESIGNED: SF	DRAWN: SDJF	PROJECT NO.: 631031384	FIGURE: 4



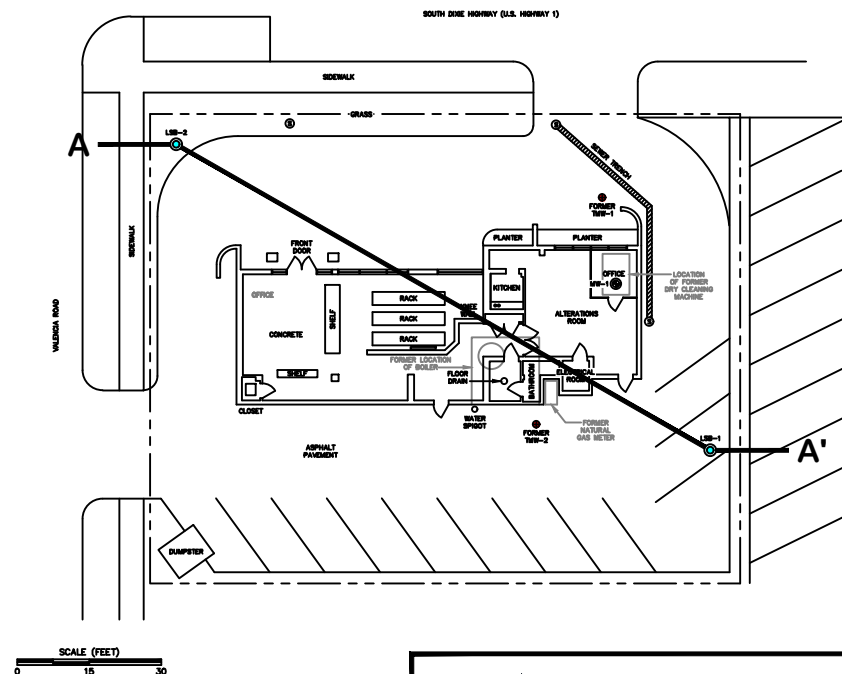


LEGEND:

-  SILTY, FINE SAND, DARK BROWN, POORLY SORTED, LOOSE
-  MEDIUM SAND, LIGHT ORANGE, MODERATELY SORTED, LOOSE TO MODERATELY DENSE
-  MEDIUM SAND, TAN, WELL SORTED, DENSE
-  MEDIUM TO COARSE SAND, GREENISH GRAY, WELL SORTED, DENSE
-  SILTY, FINE SAND, TAN, POORLY SORTED, DENSE
-  LIMESTONE, GRAY TO WHITE, DENSE

HORIZONTAL SCALE (FEET)
0 15 30

VERTICAL SCALE (FEET)
0 10 20

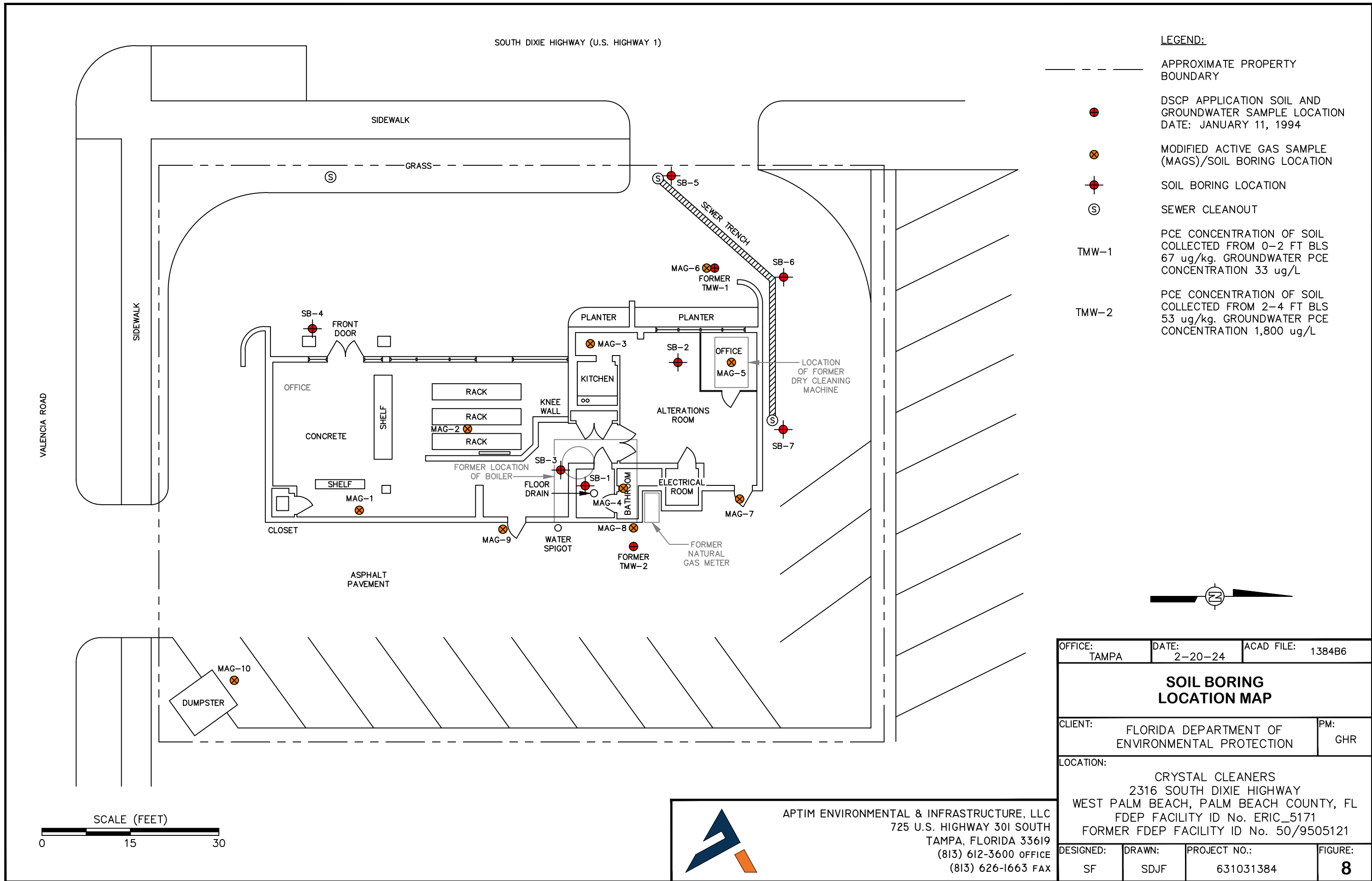


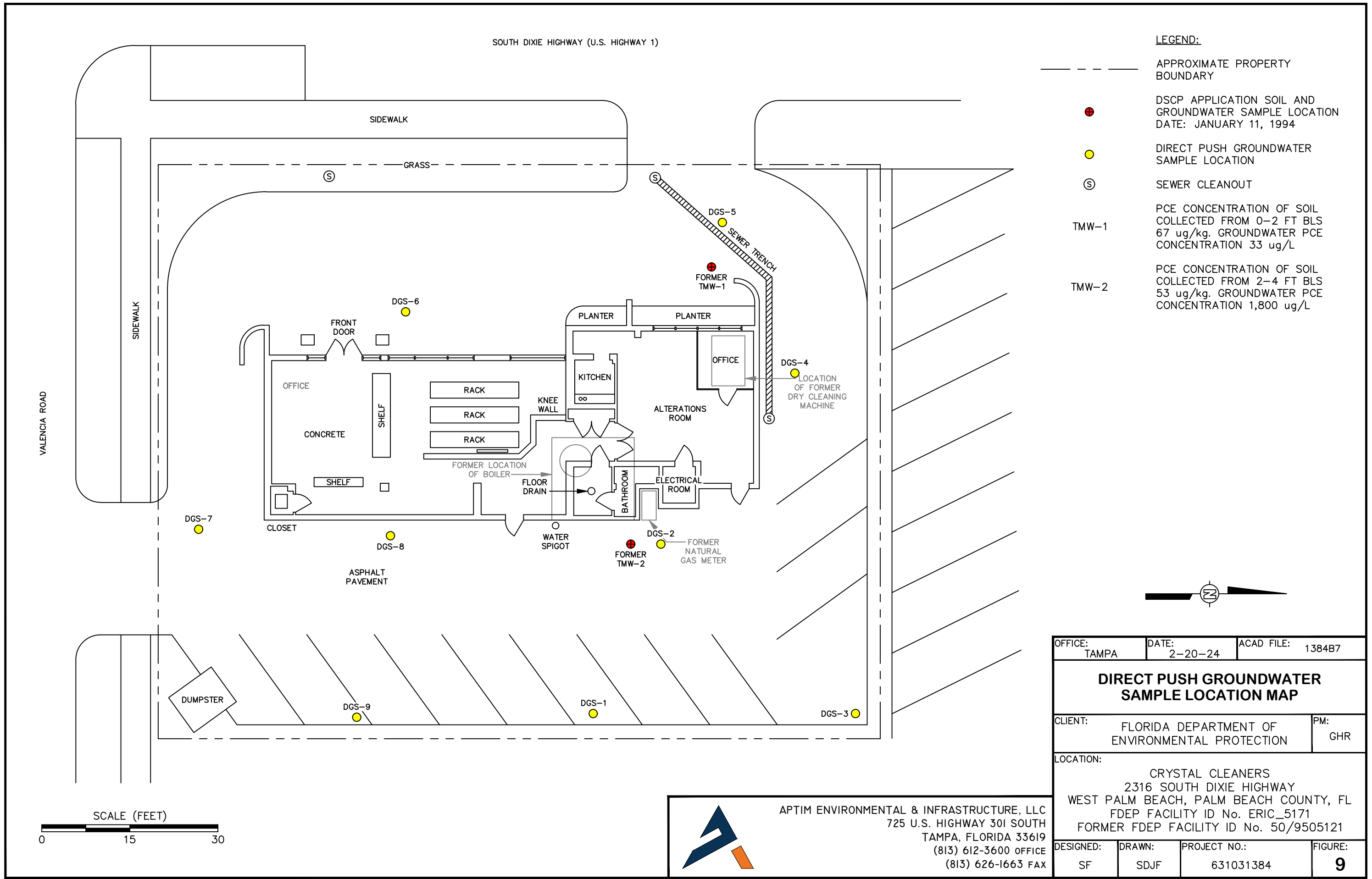
SCALE (FEET)
0 15 30

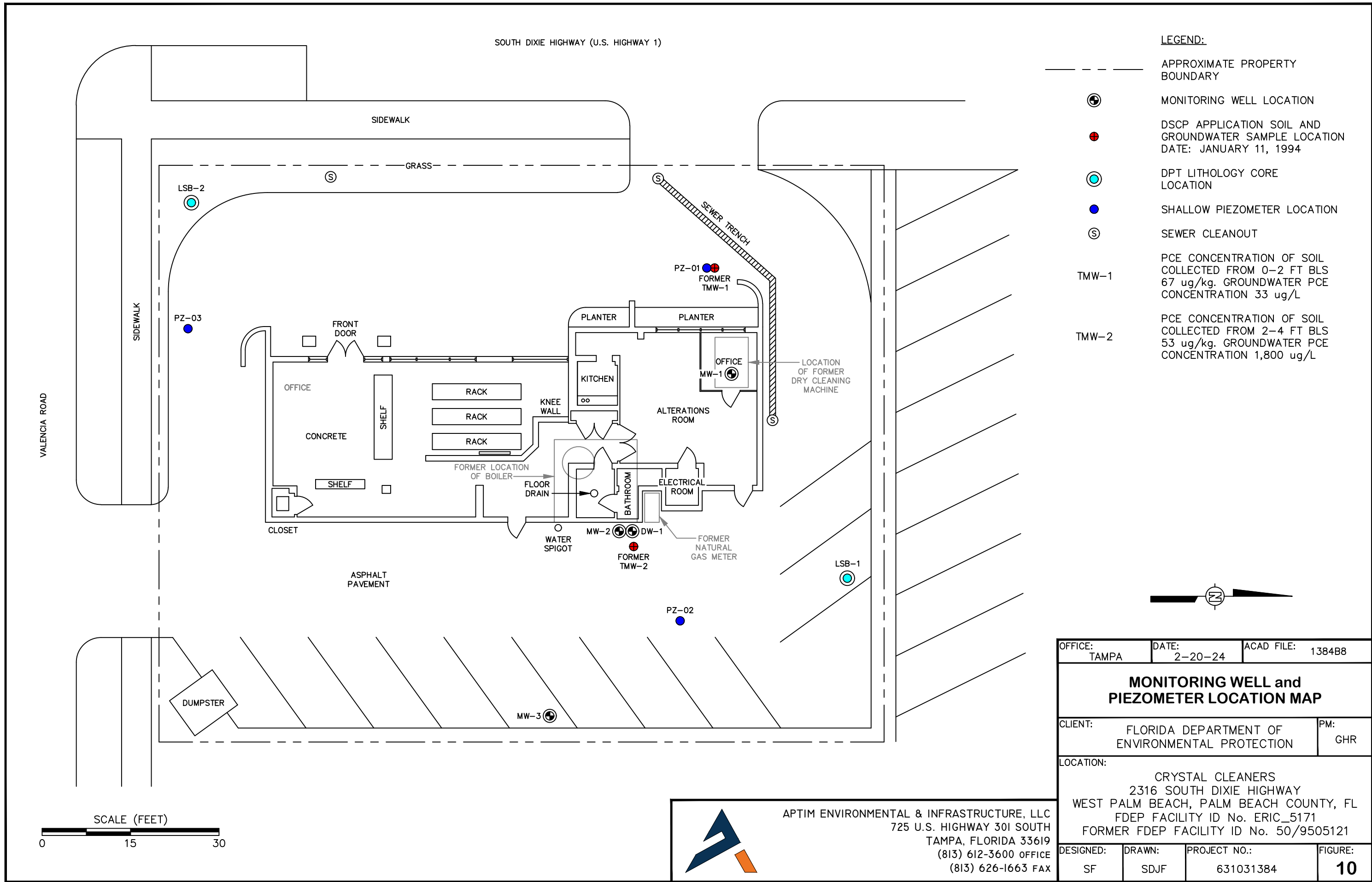


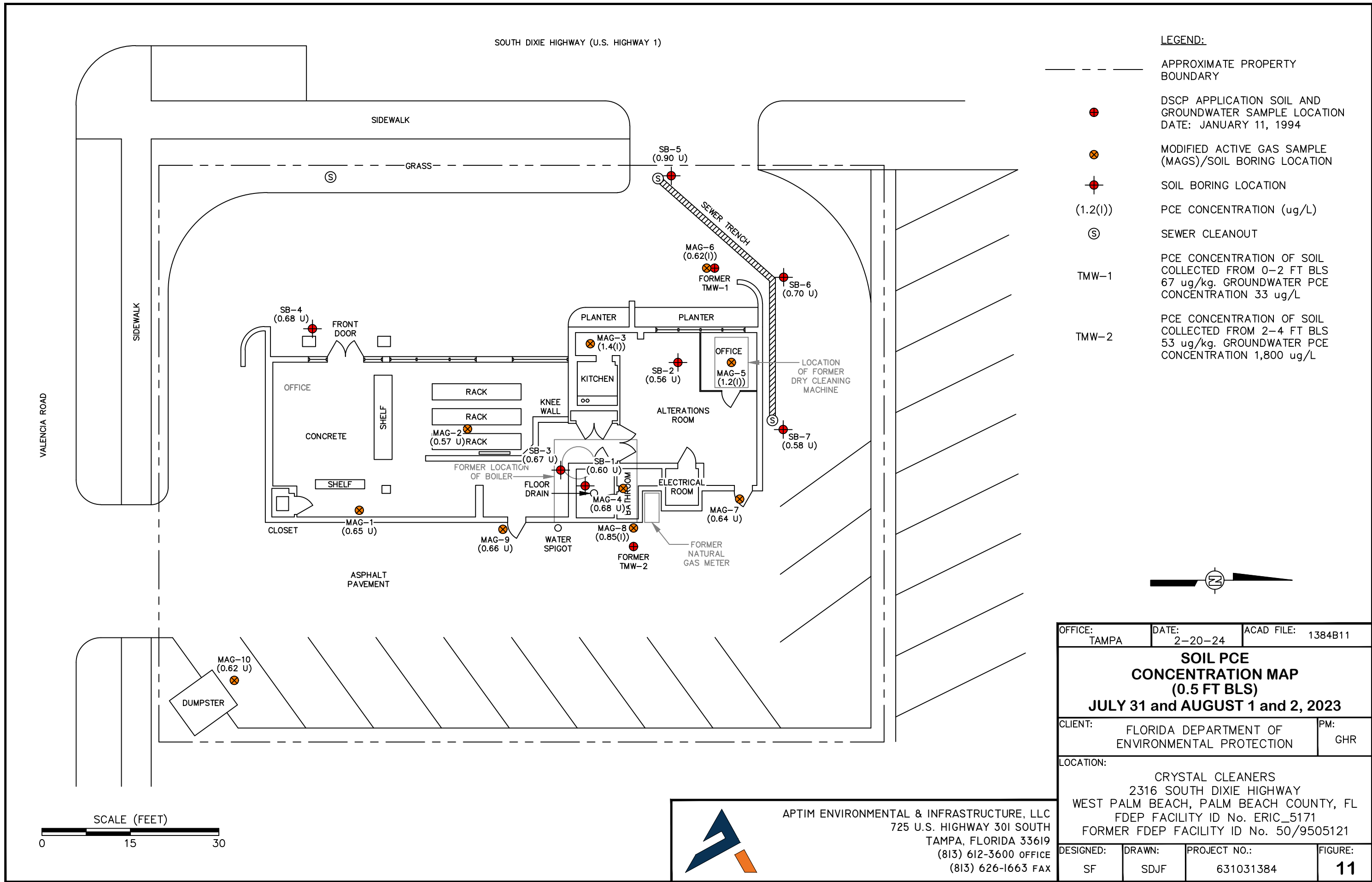
APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
725 U.S. HIGHWAY 301 SOUTH
TAMPA, FLORIDA 33619
(813) 612-3600 OFFICE
(813) 626-1663 FAX

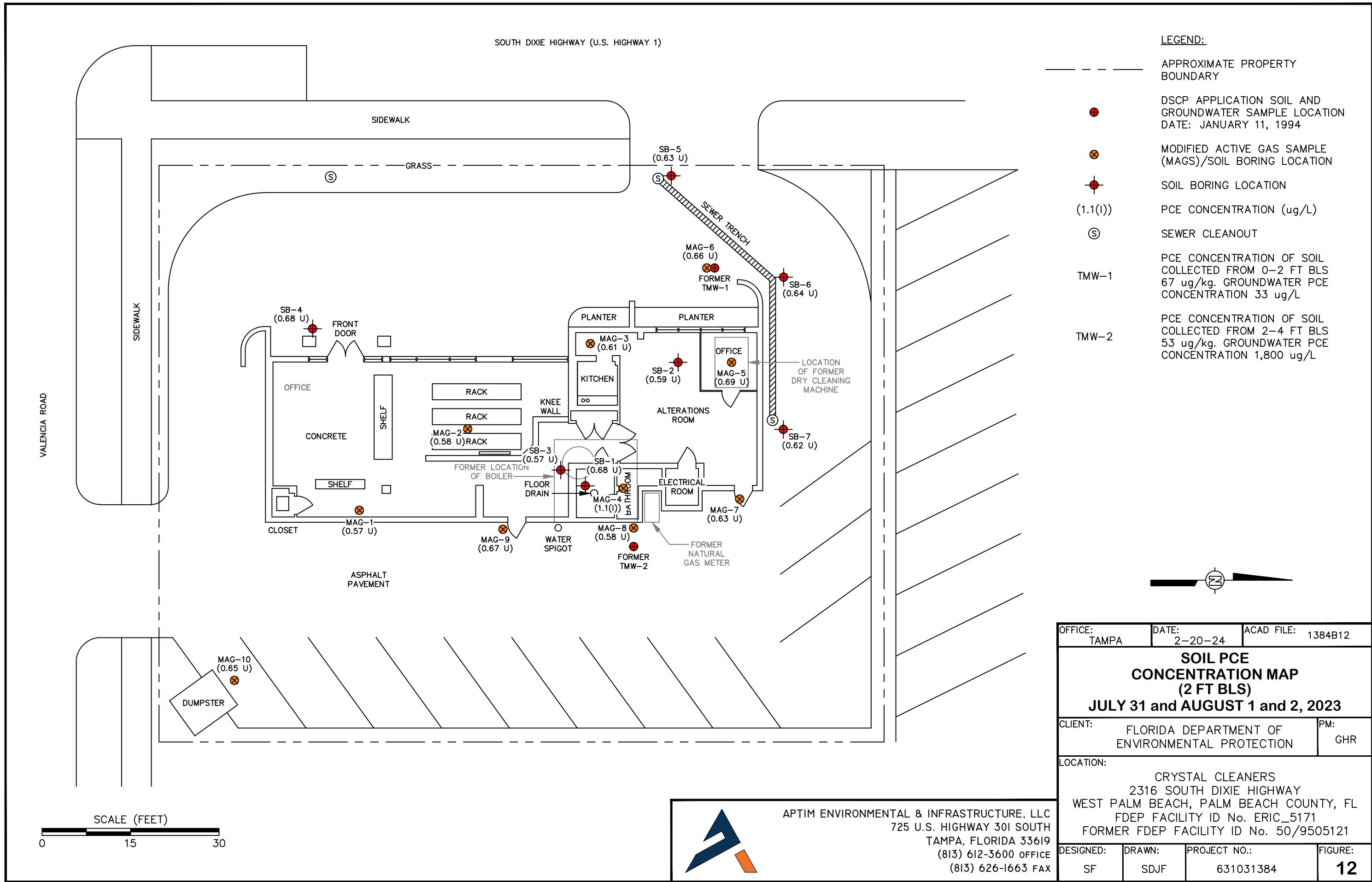
OFFICE: TAMPA	DATE: 2-20-24	ACAD FILE: 1384B9
LITHOLOGIC CROSS-SECTION A-A'		
CLIENT:	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	PM: GHR
LOCATION:	CRYSTAL CLEANERS 2316 SOUTH DIXIE HIGHWAY WEST PALM BEACH, PALM BEACH COUNTY, FL FDEP FACILITY ID No. ERIC_5171 FORMER FDEP FACILITY ID No. 50/9505121	
DESIGNED: SF	DRAWN: SDJF	PROJECT NO.: 631031384
		FIGURE: 7

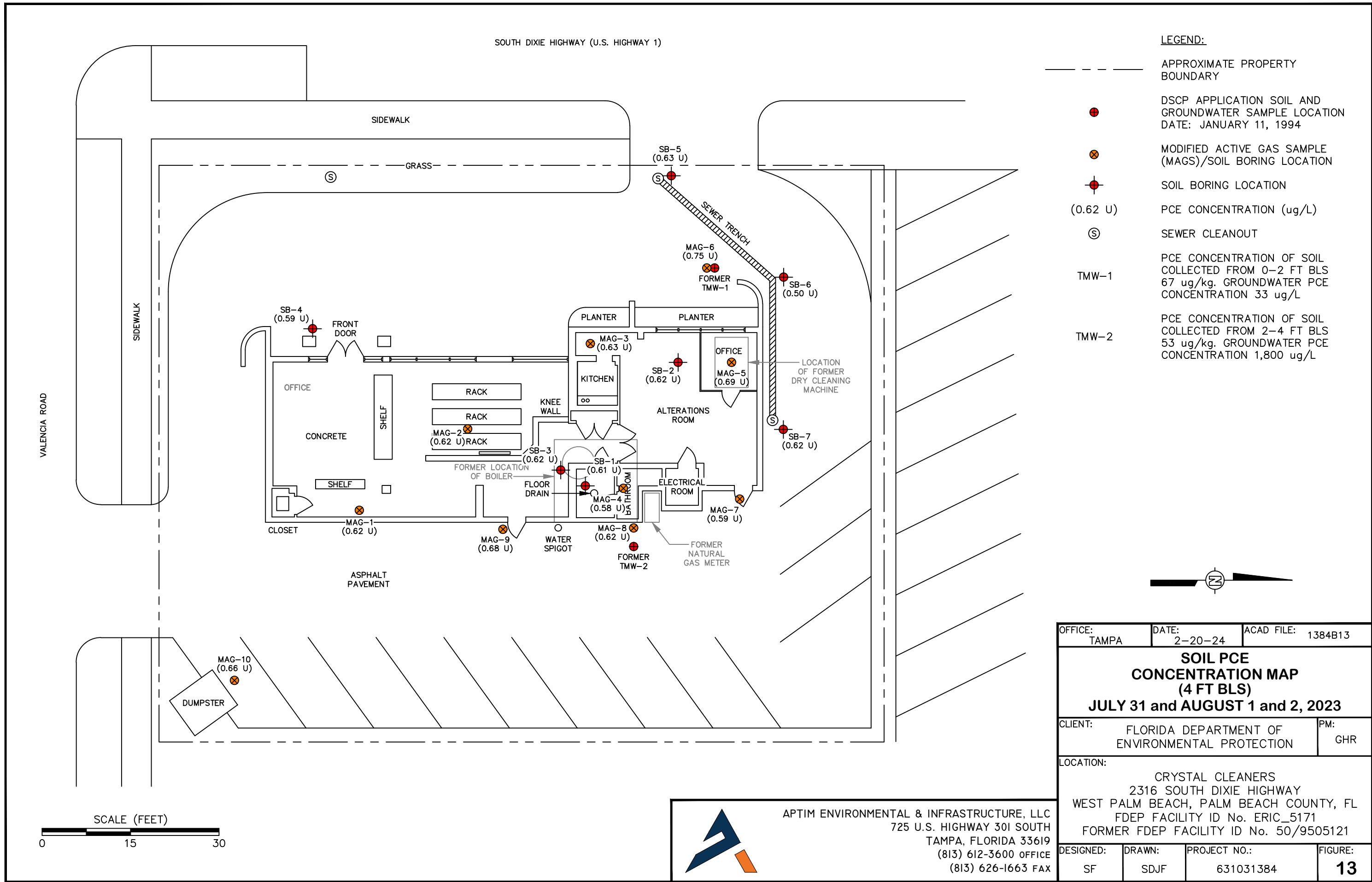


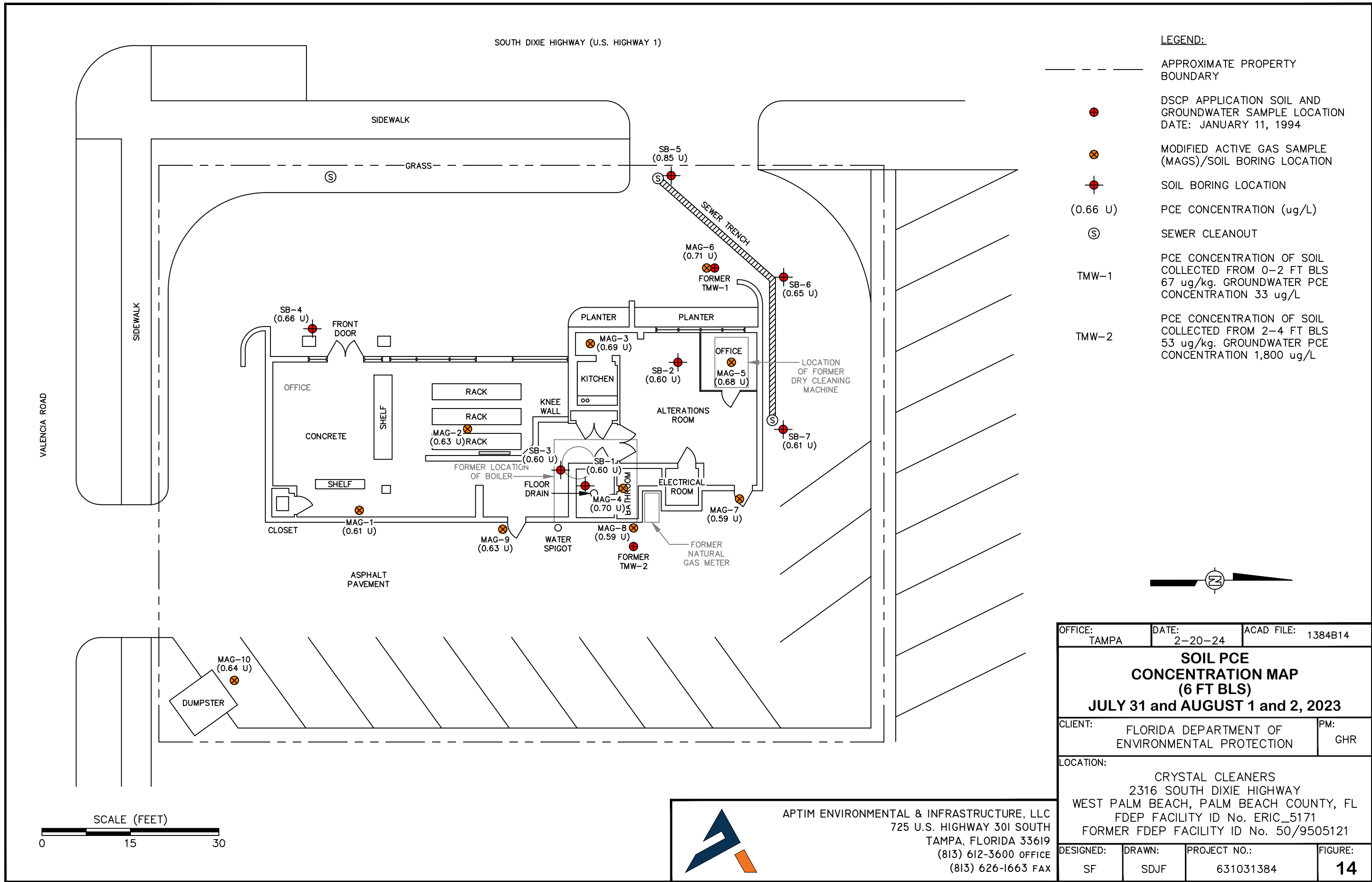


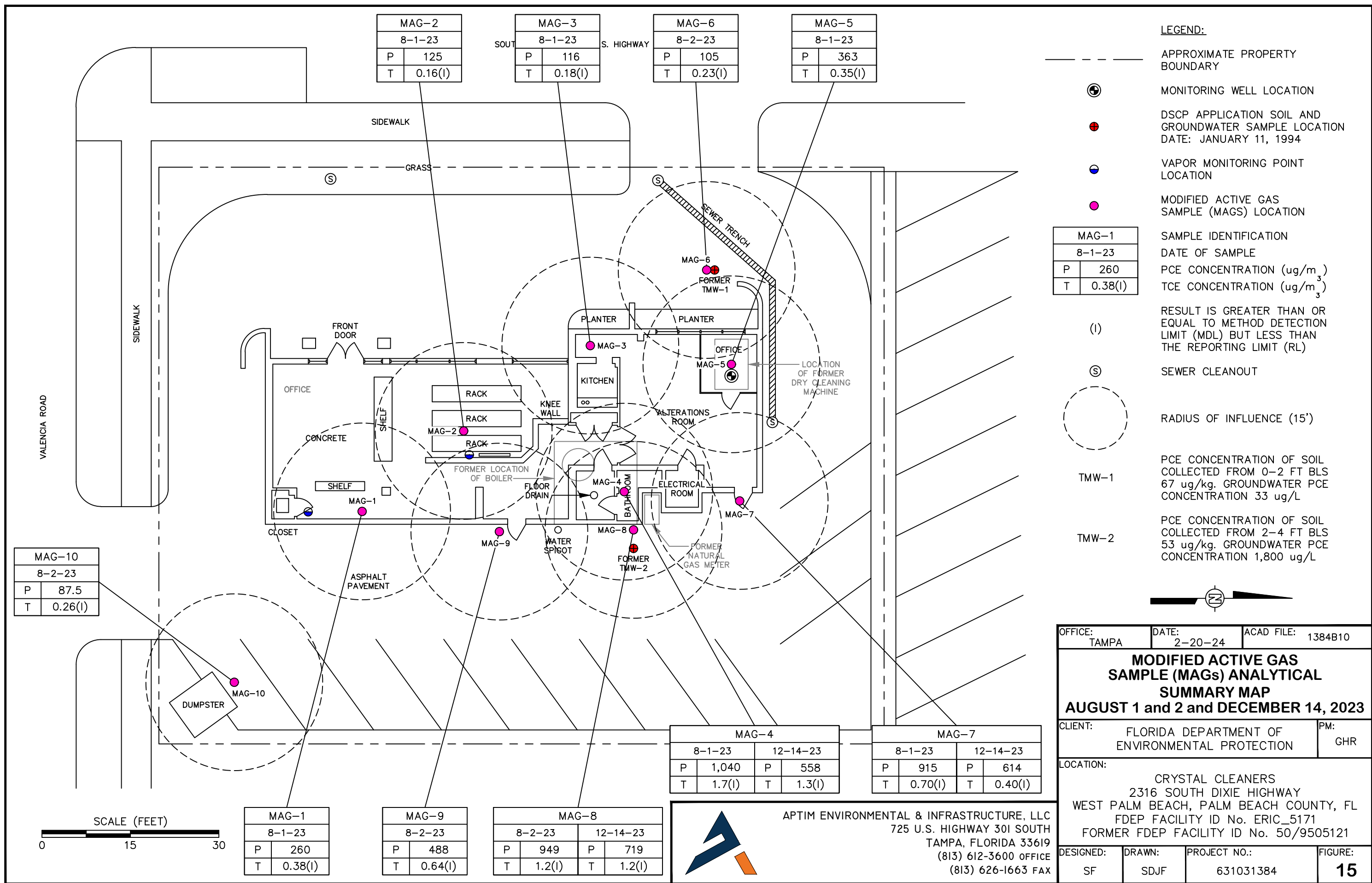


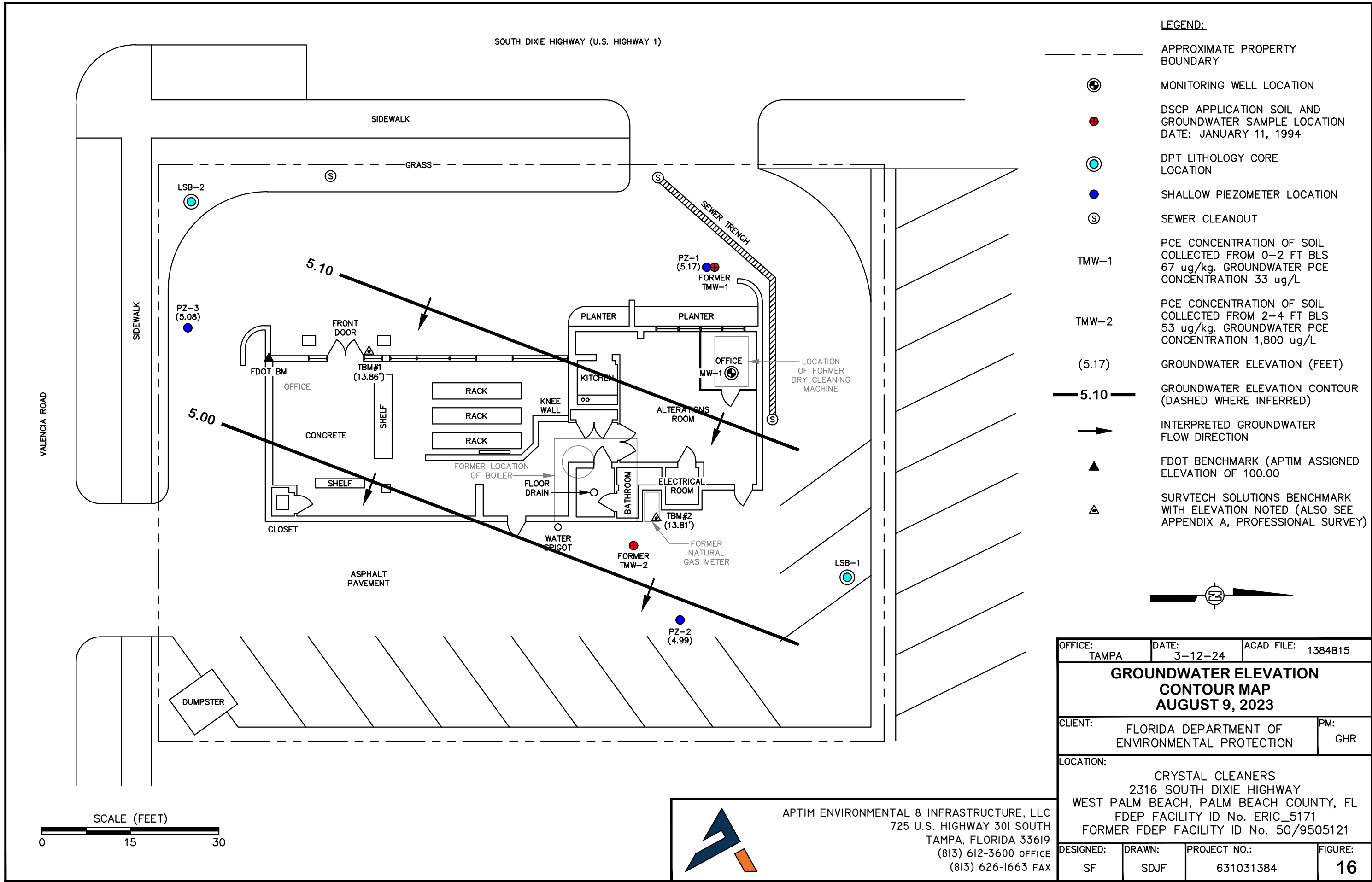


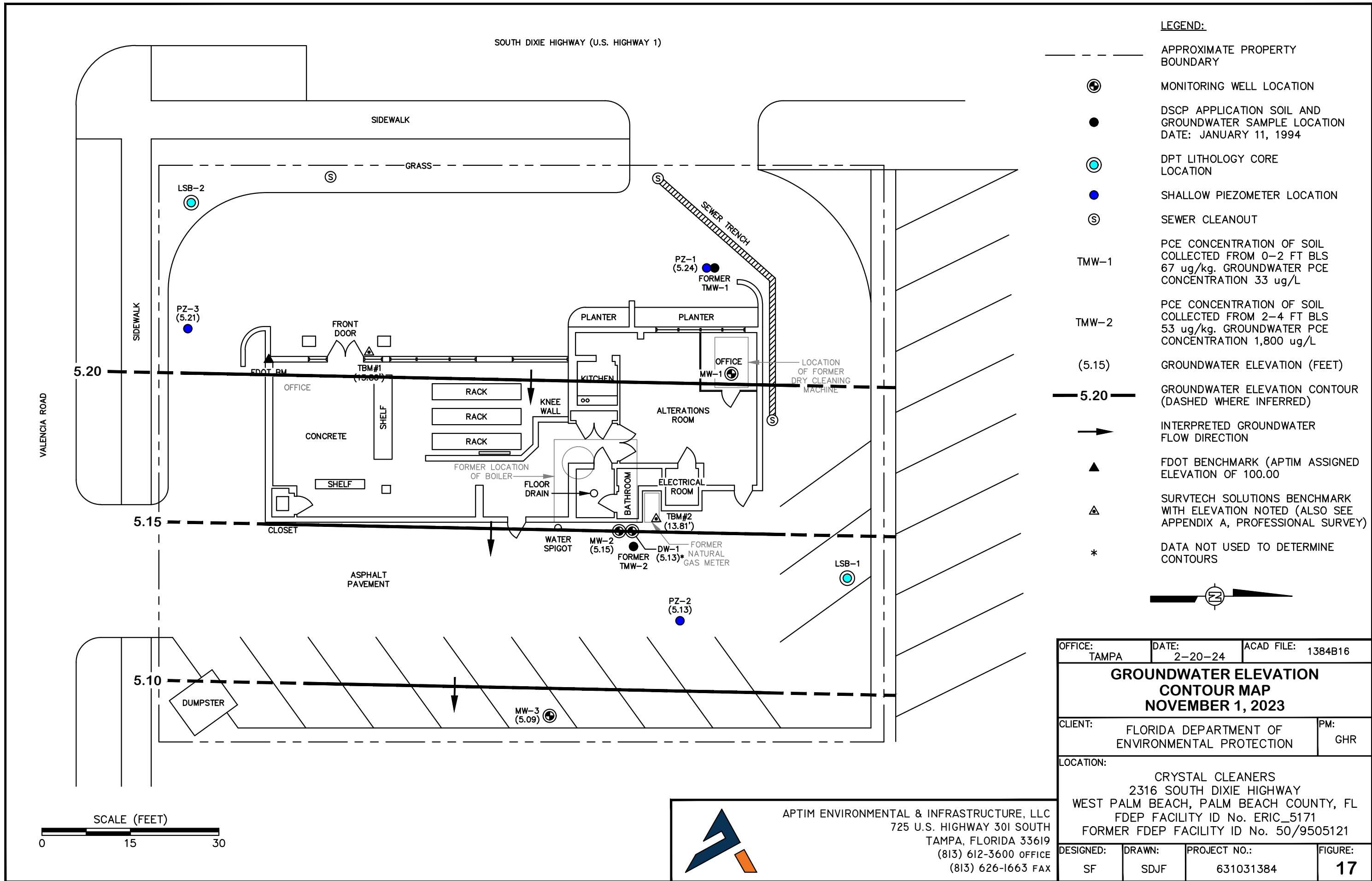


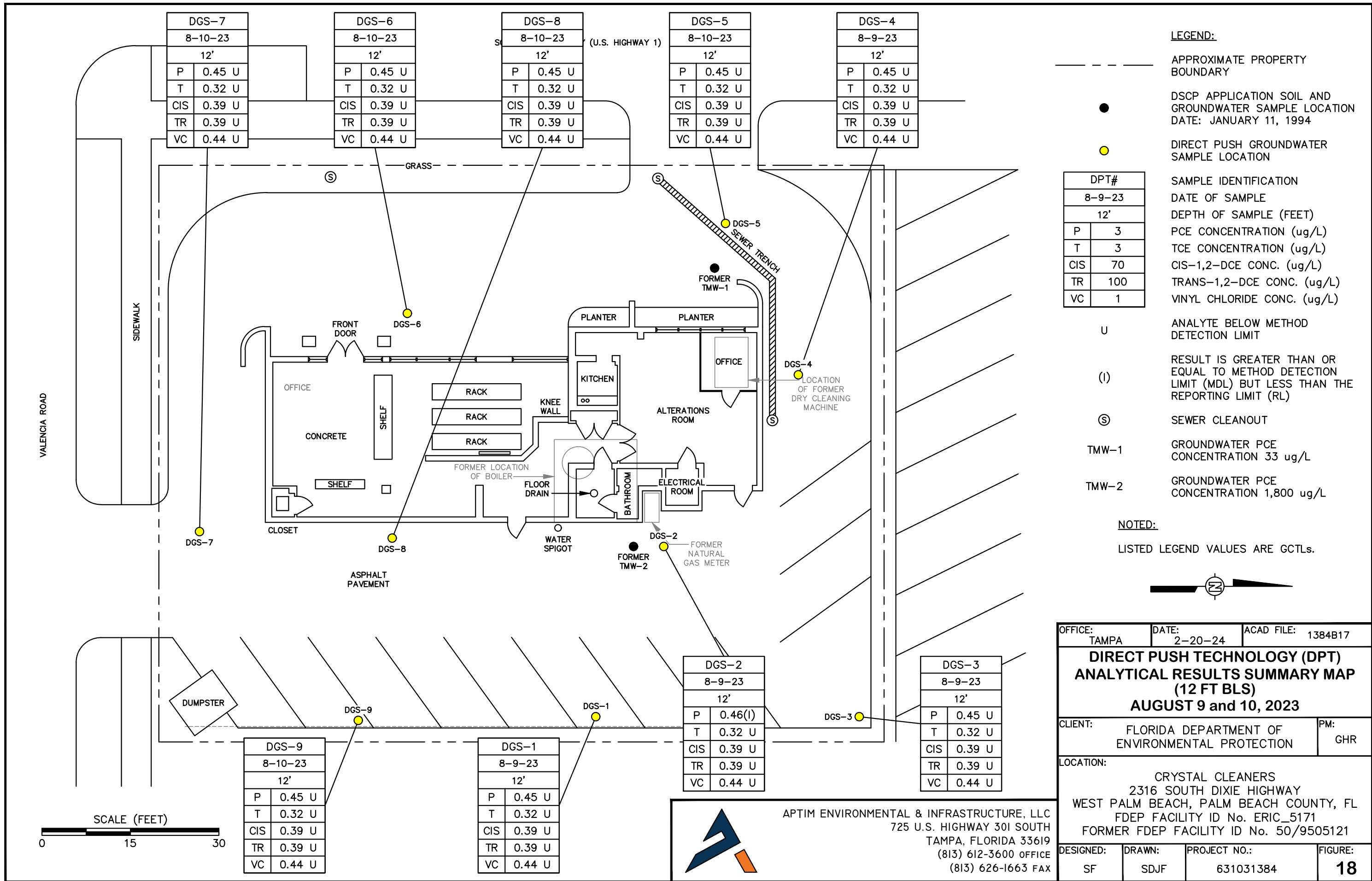


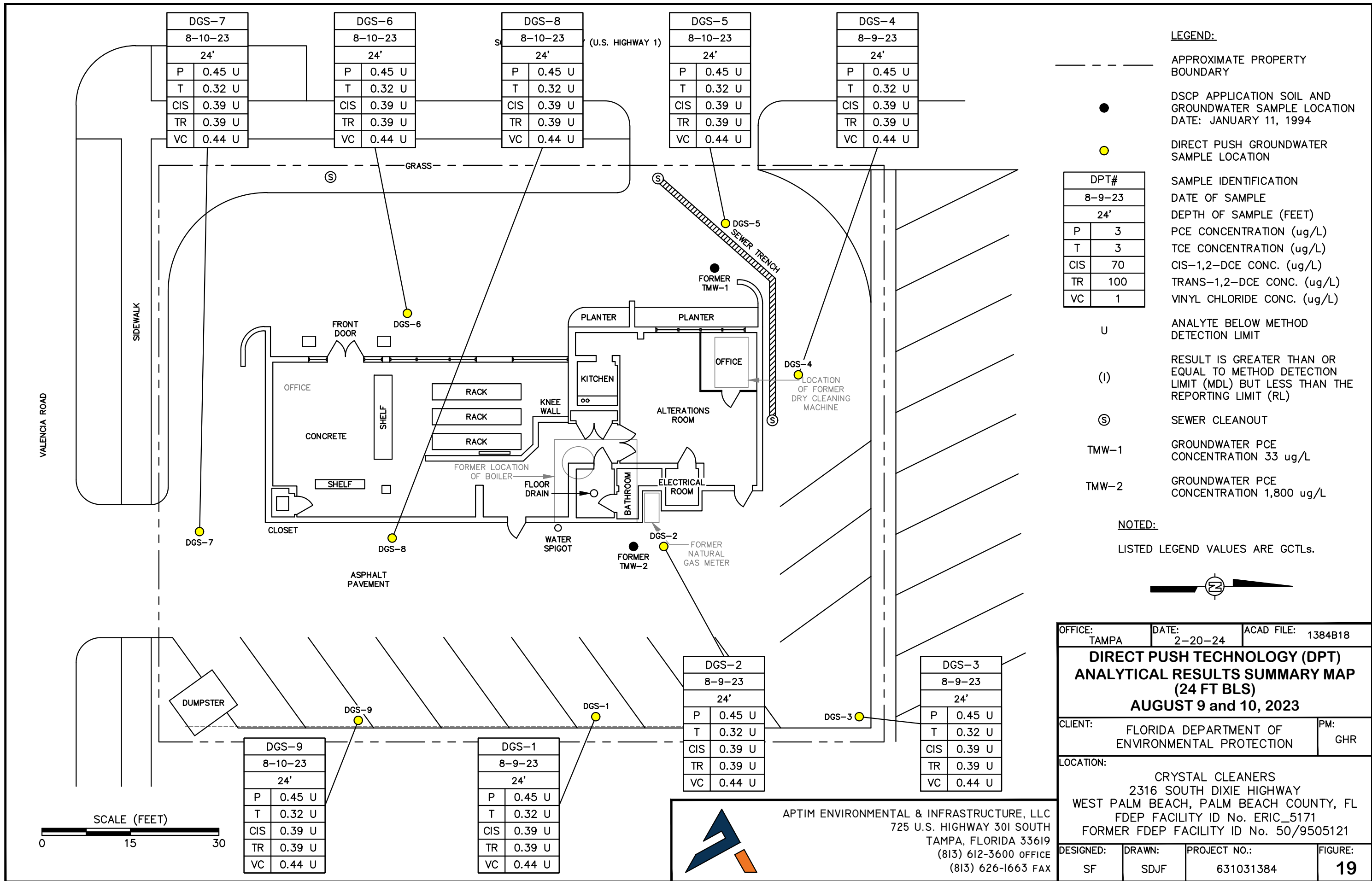


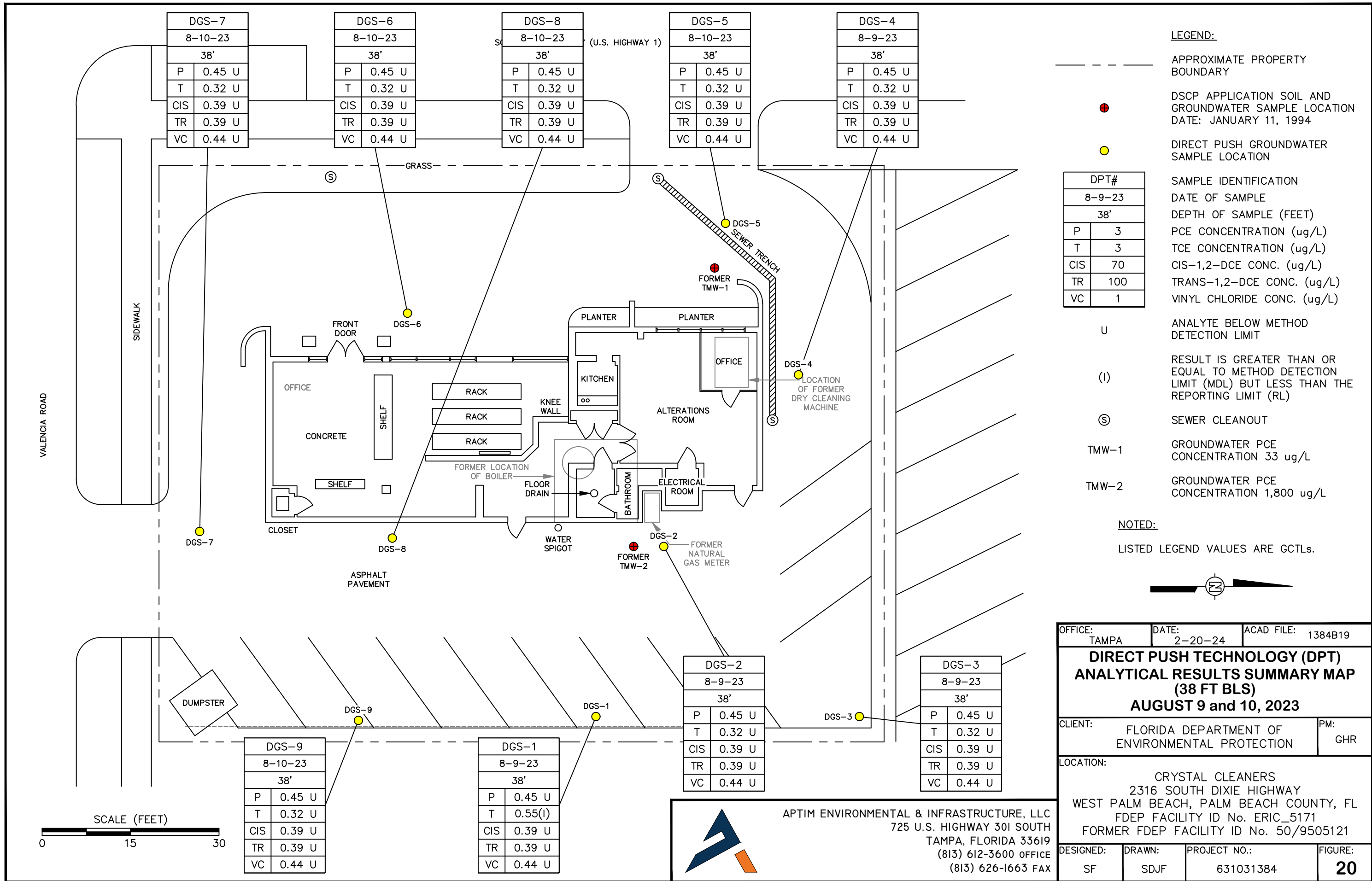












Appendix A

Professional Site Survey

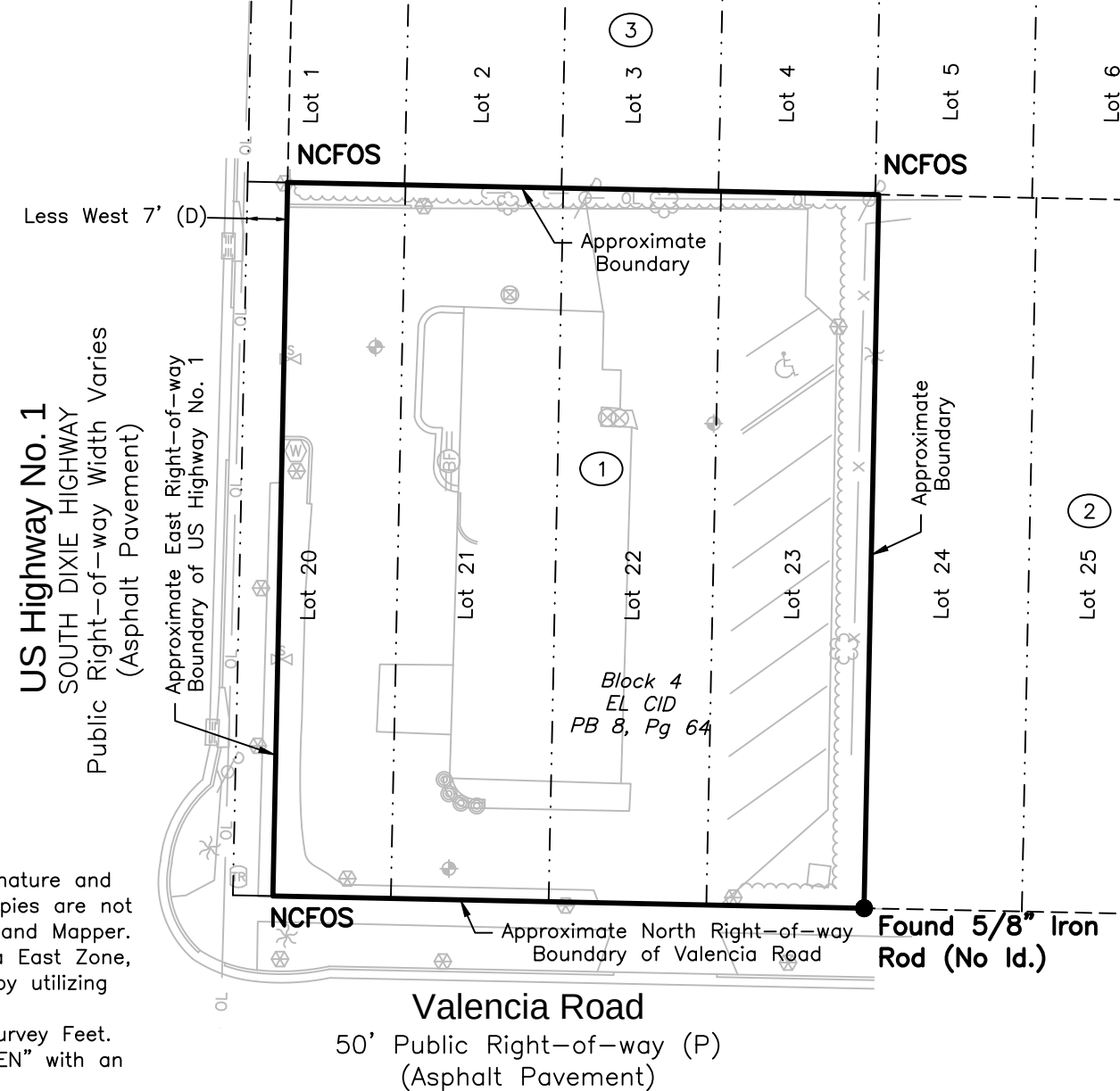
Legend

- Found Iron Rod or Pipe
- NCFOS No Corner Found or Set
- (F) Field Measurement
- (D) Deed Reference
- (P) Plat Reference
- PSM Professional Surveyor and Mapper
- Id. Identification
- LB Licensed Business
- OR Official Records
- PB Plat Book
- Pg Page
- No. Number
- ⊕ Temporary Benchmark
- TBM Temporary Benchmark
- ⊕ Utility Pole
- Guy Wire
- ⊕ Traffic Signal Box
- ⊕ Backflow Preventer
- ⊕ Water Meter
- ⊕ Grate Inlet
- ⊕ Sewer Valve
- ⊕ Monitoring Well
- ⊕ Handicap Parking Space
- ⊕ Sign
- ⊕ Miscellaneous Feature
- ⊕ Round Post
- ✱ Palm
- ⊕ Oak
- x—x— Fence
- OL—OL— Overhead Utility Lines
- ⋈ Approximate Hedge Line

Surveyor's Notes:

- 1.) Paper copies of this survey are not valid without the original signature and raised seal of a Florida Licensed Surveyor and Mapper. Digital copies are not valid without the digital signature of a Florida Licensed Surveyor and Mapper.
- 2.) The horizontal datum utilized for this project is NAD 1983 Florida East Zone, 2011 Adjustment, U.S. Survey Feet. Said datum was established by utilizing the Florida Permanent Reference Network (FPRN).
- 3.) The vertical datum utilized for this project is NAVD 1988, U.S. Survey Feet. The benchmark utilized was Palm Beach County Benchmark "WAGEN" with an elevation of 17.31 feet.
- 4.) All utilities depicted hereon are from visible evidence only. Surveyor did not contact subsurface utility locator service.
- 5.) No underground foundations or footers were excavated or located for this survey.
- 6.) Surveyor makes no guarantees as to the species of trees or to the health of each tree depicted hereon, if this information is necessary a certified arborist should be contacted. Trees depicted hereon for informational purposes only.
- 7.) Parcel ownership and property lines depicted hereon are for informational purposes only and were taken from Palm Beach County Property Appraiser.
- 8.) **THIS IS NOT A BOUNDARY SURVEY.**

Specific Purpose Survey
Former Crystal Cleaners - 2316 South Dixie Highway
Section 27, Township 43 South, Range 43 East
Palm Beach County, Florida



Parcel Information:

- 1 Parcel Control #:
74-43-43-27-21-004-0200
2316 SOUTH DIXIE INC
222 LAKEVIEW AVE # PH5
WEST PALM BEACH, FL 33401
(OR Book 14137, Page 910)
- 2 Parcel Control #:
74-43-43-27-21-004-0240
HEDLUND JULIE M J
HEDLUND RICHARD J &
HEDLUND JULIE M J TR
HEDLUND RICHARD J TR
RICHARD & JULIE MJ HEDLUND
TR TITL HLDR
325 VALENCIA RD
WEST PALM BEACH, FL 33401
- 3 Parcel Control #:
74-43-43-27-21-004-0010
REDEEMER EVANGELICAL
LUTHERAN CHURCH
2300 S DIXIE HWY
WEST PALM BEACH, FL 33401

Certifications:
Aptim Services, LLC

Benjamin F. Stinson PSM No. 6924
SurvTech Solutions, Inc. LB No. 7340

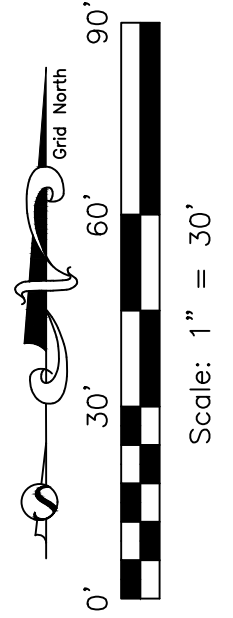
Description: (Per OR Book 14137, Page 910)

Lot 20, LESS the West 7 feet, and Lot 21, 22 and 23,
Block 4, EL CID, according to the plat thereof on file in
the office of the Clerk of the Circuit Court in and for Palm
Beach County, Florida, recorded in Plat Book 8, Page 64.

Specific Purpose Survey
Former Crystal Cleaners

Drafted By: K. Quibell
Date Drafted: 08/22/23
Revision Date: N/A
Approved By: B. Stinson
Date Approved: 08/31/23

Project No.: 230892
Prior Project No.: N/A
Drawing Name: 230892_S
Last Field Date: 08/14/23
Field Book/Page: 23-05FP/13



SURVTECH SOLUTIONS, INC. SURVEYORS AND MAPPERS
10220 U.S. Highway 92 East, Tampa, FL 33610
phone: (813)-621-4929, fax: (813)-621-7194, Licensed Business #7340
email: bstinson@survtechsolutions.com <http://www.survtechsolutions.com>



Planimetric Detail

Benchmark Information: NAVD 1988

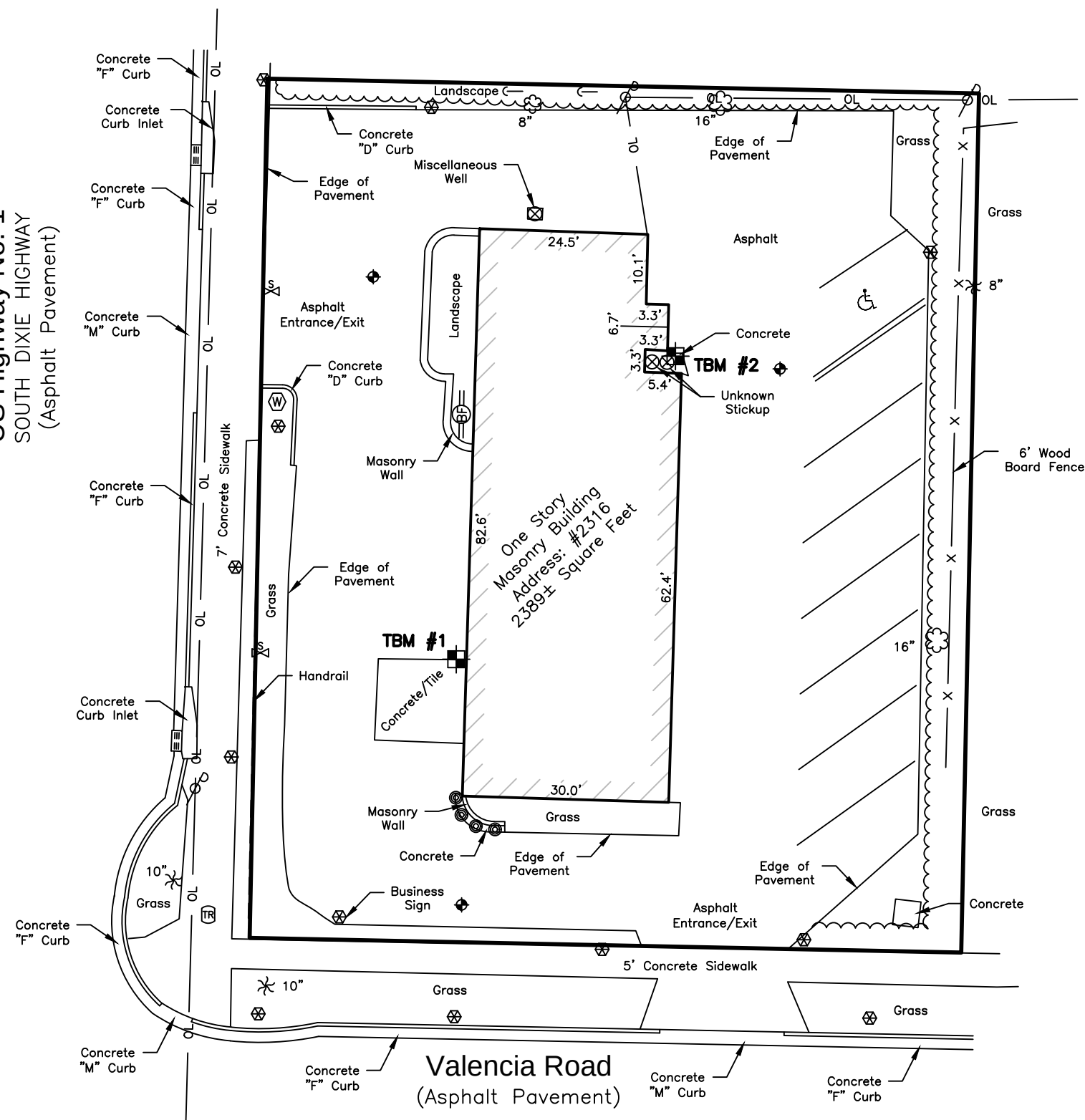
TBM #1

Elevation = 13.68'
Set nail & disk labeled "SurvTech Trav. Pt" in concrete/tile; ±1 foot West of a building wall; ±28 feet East of a sewer valve.

TBM #2

Elevation = 13.81'
Set nail & disk labeled "SurvTech Trav. Pt" in concrete; ±15 foot West of a monitoring well; ±4 feet East of a building wall.

US Highway No. 1
SOUTH DIXIE HIGHWAY
(Asphalt Pavement)



Specific Purpose Survey
Former Crystal Cleaners - 2316 South Dixie Highway

Project No.: 230892
Prior Project No.: N/A
Last Field Date: 08/14/23



SURVTECH SOLUTIONS, INC. SURVEYORS AND MAPPERS
10220 U.S. Highway 92 East, Tampa, FL 33610
phone: (813)–621–4929, fax: (813)–621–7194, Licensed Business #7340
email: bstinson@survtechsolutions.com <http://www.survtechsolutions.com>

Drawing Name: 230892_S

SHEET: 2 OF 2

Appendix B

Soil Boring Logs

BORING LOG

Page 1 of 1

Boring/Well Number: MAG-1		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 07/31/23 End Date: 07/31/23	Borehole Start Time: 1850 ☐ AM ☒ PM End Time: 1910 ☐ AM ☒ PM								
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): Concrete 6 inches	Borehole Diameter (inches): 4		Borehole Depth (feet): 7.0						
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5		Measured Well DTW (in feet after water recharges in well):		OVA (list model and check type): ☐ FID ☐ PID						
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Wood Floor/Concrete 6, inches base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	MAG-1.05 @ 1850
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	MAG-1.2 @ 1855
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	MAG-1.4 @1900
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	MAG-1.6 @1905
HA				-	-	-	7	Medium SAND, white to orange, well sorted, moderately dense		M	
							8	Bottom of Borehole			
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill CuttingsMoisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Page 1 of 1

Boring/Well Number: MAG-2		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 07/31/23	Borehole Start Time: 1825 ☐ AM ☒ PM	End Date: 07/31/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): Concrete 6 inches	Borehole Diameter (inches): 4	Borehole Depth (feet): 7.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): NA ☐ FID ☐ PID								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☐ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Tile Floor/Concrete 6 inches, base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	MAG-2.05 @ 1830
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	MAG-2.2 @ 1835
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	MAG-2.4 @1840
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	MAG-2.6 @1845
HA				-	-	-	7	Medium SAND, white to orange, well sorted, moderately dense		M	
							8	Bottom of Borehole			
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 1

Boring/Well Number: MAG-3		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 07/31/23	Borehole Start Time: 1425 ☐ AM ☒ PM	End Date: 07/31/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): Concrete 6 inches	Borehole Diameter (inches): 4	Borehole Depth (feet): 7.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5		Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): NA ☐ FID ☐ PID							
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Wood Floor/Concrete 6 inches, base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	MAG-3.05 @ 1430
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	MAG-3.2 @ 1435
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	MAG-3.4 @1440
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	MAG-3.6 @1445
HA				-	-	-	7	Medium SAND, white to orange, well sorted, moderately dense		M	
							8	Bottom of Borehole			
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

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Boring/Well Number: MAG-4		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 07/31/23 End Date: 07/31/23	Borehole Start Time: 1510 ☐ AM ☒ PM End Time: 1528 ☐ AM ☒ PM								
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): Concrete 6 inches	Borehole Diameter (inches): 4		Borehole Depth (feet): 7.0						
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5		Measured Well DTW (in feet after water recharges in well):		OVA (list model and check type): NA ☐ FID ☐ PID						
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Tile/Concrete 6, inches base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	MAG-4.05 @ 1510
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	MAG-4.2 @ 1515
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	MAG-4.4 @1520
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	MAG-4.6 @1525
HA				-	-	-	7	Medium SAND, white to orange, well sorted, moderately dense		M	
							8	Bottom of Borehole			
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill CuttingsMoisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

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Boring/Well Number: MAG-5		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 07/31/23	Borehole Start Time: 1450 ☐ AM ☒ PM	End Date: 07/31/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): Concrete 6.5 inches	Borehole Diameter (inches): 4	Borehole Depth (feet): 7.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): NA ☐ FID ☐ PID								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Wood Floor/Concrete 6.5 inches, base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	MAG-5.05 @ 1450
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	MAG-5.2 @ 1455
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	MAG-5.4 @1500
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	MAG-5.6 @1505
HA				-	-	-	7	Medium SAND, white to orange, well sorted, moderately dense		M	
							8	Bottom of Borehole			
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

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Boring/Well Number: MAG-6		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 08/01/23	Borehole Start Time: 1305 ☐ AM ☒ PM	End Date: 08/01/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): 6" Asphalt	Borehole Diameter (inches): 4	Borehole Depth (feet): 7.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): NA ☐ FID ☐ PID								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Asphalt 6 inches, base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	MAG-6.05 @ 1305
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	MAG-6.2 @ 1310
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	MAG-6.4 @1315
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	MAG-6.6 @1320
HA				-	-	-	7	Medium SAND, white to orange, well sorted, moderately dense		M	
							8	Bottom of Borehole			
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

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Boring/Well Number: MAG-7		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 08/01/23	Borehole Start Time: 1215 ☐ AM ☒ PM	End Date: 08/01/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): 6" Asphalt	Borehole Diameter (inches): 4	Borehole Depth (feet): 7.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): NA ☐ FID ☐ PID								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Asphalt 6 inches, base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	MAG-7.05 @ 1215
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	MAG-7.2 @ 1220
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	MAG-7.4 @1225
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	MAG-7.6 @1230
HA				-	-	-	7	Medium SAND, white to orange, well sorted, moderately dense		M	
							8	Bottom of Borehole			
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill CuttingsMoisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

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Boring/Well Number: MAG-8		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 08/01/23	Borehole Start Time: 1245 ☐ AM ☒ PM	End Date: 08/01/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): 6" Asphalt	Borehole Diameter (inches): 4	Borehole Depth (feet): 7.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): NA ☐ FID ☐								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Asphalt 6 inches, base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	MAG-8.05 @ 1245
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	MAG-8.2 @ 1252
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	MAG-8.4 @1300
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	MAG-8.6 @1307
HA				-	-	-	7	Medium SAND, white to orange, well sorted, moderately dense		M	
							8	Bottom of Borehole			
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

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Boring/Well Number: MAG-9		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 08/01/23	Borehole Start Time: 1145 ☒ AM ☐ PM	End Date: 08/01/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): 6" Asphalt	Borehole Diameter (inches): 4	Borehole Depth (feet): 7.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): NA ☐ FID ☐								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Asphalt 6 inches, base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	MAG-9.05 @ 1148
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	MAG-9.2 @ 1155
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	MAG-9.4 @1200
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	MAG-9.6 @1207
HA				-	-	-	7	Medium SAND, white to orange, well sorted, moderately dense		M	
							8	Bottom of Borehole			
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

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Boring/Well Number: MAG-10		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 08/01/23	Borehole Start Time: 1000 ☒ AM ☐ PM	End Date: 08/01/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): 6" Asphalt	Borehole Diameter (inches): 4	Borehole Depth (feet): 7.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): NA ☐ FID ☐								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Asphalt 6 inches, base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	MAG-10.05 @ 1000
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	MAG-10.2 @ 1005
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	MAG-10.4 @1010
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	MAG-10.6 @1015
HA				-	-	-	7	Medium SAND, white to orange, well sorted, moderately dense		M	
							8	Bottom of Borehole			
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

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Boring/Well Number: SB-1		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 07/31/23	Borehole Start Time: 1530 ☐ AM ☒ PM	End Date: 07/31/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): Concrete 6 inches	Borehole Diameter (inches): 4	Borehole Depth (feet): 6.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5		Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): ☐ FID ☐ PID							
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Tile Floor/Concrete 6, inches base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	SB-1.05 @ 1530
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	SB-1.2 @ 1535
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	SB-1.4 @1540
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	SB-1.6 @1545
							7	Bottom of Borehole			
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

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Boring/Well Number: SB-2		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 07/31/23	Borehole Start Time: 1400 ☐ AM ☒ PM	End Date: 07/31/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): Concrete 6 inches	Borehole Diameter (inches): 4	Borehole Depth (feet): 6.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): ☐ FID ☐								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Wood Floor/Concrete 6, inches base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	SB-2.05 @ 1400
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	SB-2.2 @ 1405
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	SB-2.4 @1410
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	SB-4.6 @1415
							7	Bottom of Borehole			
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

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Boring/Well Number: SB-3		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 08/02/23	Borehole Start Time: 1330 ☐ AM ☒ PM	End Date: 08/02/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): Concrete 6 inches	Borehole Diameter (inches): 4	Borehole Depth (feet): 6.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): ☐ FID ☐ PID								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Tile Floor/Concrete 6, inches base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	SB-3.05 @ 1330
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	SB-3.2 @ 1335
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	SB-3.4 @1340
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	SB-3.6 @1345
							7	Bottom of Borehole			
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

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Boring/Well Number: SB-4		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 08/02/23	Borehole Start Time: 1220 ☐ AM ☒ PM	End Date: 08/02/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): Asphalt 4 inches	Borehole Diameter (inches): 4	Borehole Depth (feet): 6.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): ☐ FID ☐								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Asphalt 4 inches base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	SB-4.05 @ 1220
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	SB-4.2 @ 1230
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	SB-4.4 @1240
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	SB-4.6 @1250
							7	Bottom of Borehole			
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

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Boring/Well Number: SB-5		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 08/02/23	Borehole Start Time: 1135 ☐ AM ☒ PM	End Date: 08/02/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): Asphalt 4 inches	Borehole Diameter (inches): 4	Borehole Depth (feet): 6.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): ☐ FID ☐								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Asphalt 4 inches base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	SB-5.05 @ 1200
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	SB-5.2 @ 1205
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	SB-5.4 @1210
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	SB-4.6 @1250
							7	Bottom of Borehole			
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

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Boring/Well Number: SB-6		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 08/02/23	Borehole Start Time: 0930 ☒ AM ☐ PM	End Date: 08/02/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): Asphalt 4 inches	Borehole Diameter (inches): 4	Borehole Depth (feet): 6.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): ☐ FID ☐								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Asphalt 4, inches base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	SB-6.05 @ 0930
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	SB-6.2 @ 0935
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	SB-6.4 @0940
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	SB-6.6 @0945
							7	Bottom of Borehole			
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

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Boring/Well Number: SB-7		Permit Number:		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 08/02/23	Borehole Start Time: 0900 ☒ AM ☐ PM	End Date: 08/02/23							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM		Pavement Thickness (inches): Asphalt 4 inches	Borehole Diameter (inches): 4	Borehole Depth (feet): 6.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): ☐ FID ☐								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☒ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☒ Well ☒ Grout ☒ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.5-1.0			-	-	-	1	Asphalt 4 inches, base coarse intermixed with Very fine SAND, Gray to light brown, poorly sorted, loose		D	SB-7.05 @ 0900
HA	1.5-2.0			-	-	-	2	Very fine SAND, gray to light brown, poorly sorted, loose		D	SB-7.2 @ 0905
HA				-	-	-	3	Medium SAND, white, well sorted, loose		D	
HA	3.5-4.0			-	-	-	4	Medium SAND, white, well sorted, loose		D	SB-7.4 @0910
HA				-	-	-	5	Medium SAND, white, well sorted, loose		D	
HA	5.5-6.0			-	-	-	6	Medium SAND, white to orange, well sorted, moderately dense		D	SB-7.6 @0915
							7	Bottom of Borehole			
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

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Boring/Well Number: LSB-1		Permit Number: 50/9502121		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 08/08/23	Borehole Start Time: 1330	☐ AM ☒ PM							
		End Date: 08/08/23	End Time: 1415	☐ AM ☒ PM							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM/GPI		Pavement Thickness (inches): Grass	Borehole Diameter (inches): 4	Borehole Depth (feet): 30							
Drilling Method(s): Hand Auger/DPT	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): NA ☐ FID ☐ PID								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☐ Well ☒ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA				-	-	-	1	Grass, silty fine SAND, dark brown, poorly sorted, loose	SM	D	
HA				-	-	-	2	Silty fine SAND, dark brown, poorly sorted, loose	SM	D	
HA				-	-	-	3	Silty fine SAND, dark brown, poorly sorted, loose	SM	D	
HA				-	-	-	4	Silty fine SAND, dark brown, poorly sorted, loose	SM	D	
HA				-	-	-	5	Silty fine SAND, dark brown, poorly sorted, loose		D	
DPT				-	-	-	6	Medium SAND, light orange, moderately sorted, moderately dense		D	
DPT				-	-	-	7	Medium SAND, light orange, moderately sorted, moderately dense		M	
DPT				-	-	-	8	Medium SAND, light orange, moderately sorted, moderately dense		M/W	
DPT				-	-	-	9	Medium SAND, light orange, moderately sorted, moderately dense		W	
DPT				-	-	-	10	Medium SAND, light orange, moderately sorted, moderately dense		W	
DPT				-	-	-	11	Medium SAND, light tan, well sorted, dense		W	
DPT				-	-	-	12			W	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill CuttingsMoisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

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Boring/Well Number: LSB-1				FDEP Facility Identification Number: 50/9502121				Site Name: Crystal Cleaners		Borehole Start Date: 08/08/23 End Date: 08/08/23		
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)	
DPT				-	-	-	13	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	14	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	15	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	16	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	17	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	18	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	19	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	20	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	21	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	22	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	23	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	24	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	25	Silty Fine SAND, gray, poorly sorted,dense		W		
DPT				-	-	-	26	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	27	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	28	Limerock, white, very dense		W		
DPT				-	-	-	29	Medium to coarse SAND with intermitten lenses of limerock, greenish gray, poorly sorted, very dense		W		
DPT				-	-	-	30	Medium to coarse SAND with intermitten lenses of limerock, greenish gray, poorly sorted, very dense		W		

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill CuttingsMoisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

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Boring/Well Number: LSB-1				FDEP Facility Identification Number: 50/9502121				Site Name: Crystal Cleaners		Borehole Start Date: 08/08/23 End Date: 08/08/23		
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)	
DPT				-	-	-	31	Medium to coarse SAND with intermitten lenses of limerock, greenish gray, poorly sorted, very dense		W		
DPT				-	-	-	32	Medium to coarse SAND with intermitten lenses of limerock, greenish gray, poorly sorted, very dense		W		
DPT				-	-	-	33	Medium to coarse SAND with intermitten lenses of limerock, greenish gray, poorly sorted, very dense		W		
DPT				-	-	-	34	Medium to coarse SAND with intermitten lenses of limerock, greenish gray, poorly sorted, very dense		W		
DPT				-	-	-	35	Limerock, light gray to white, very dense to equipment refusal		W		
							36	REFUSAL				
							37					
							38					
							39					
							40					
							41					
							42					
							43					
							44					
							45					
							46					
							47					
							48					

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill CuttingsMoisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

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Boring/Well Number: LSB-2		Permit Number: 50/9502121		FDEP Facility Identification Number: ERIC_5171							
Site Name: Crystal Cleaners		Borehole Start Date: 08/08/23	Borehole Start Time: 1100	☒ AM	☐ PM						
		End Date: 08/08/23	End Time: 1230	☐ AM	☒ PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kenyon Howard							
Drilling Company: APTIM/GPI		Pavement Thickness (inches): Grass	Borehole Diameter (inches): 4	Borehole Depth (feet): 30							
Drilling Method(s): Hand Auger/DPT	Apparent Borehole DTW (in feet from soil moisture content): 7.5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): NA ☐ FID ☐ PID								
Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other (describe if other or multiple items are checked):											
Borehole Completion (check one): ☐ Well ☒ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA				-	-	-	1	Grass, silty fine SAND, dark brown, poorly sorted, loose	SM	D	
HA				-	-	-	2	Silty fine SAND, dark brown, poorly sorted, loose	SM	D	
HA				-	-	-	3	Silty fine SAND, dark brown, poorly sorted, loose	SM	D	
HA				-	-	-	4	Silty fine SAND, dark brown, poorly sorted, loose	SM	D	
HA				-	-	-	5	Medium SAND, light orange, moderately sorted, moderately dense		D	
DPT				-	-	-	6	Medium SAND, light orange, moderately sorted, moderately dense		D	
DPT				-	-	-	7	Medium SAND, light orange, moderately sorted, moderately dense		M	
DPT				-	-	-	8	Medium SAND, light orange, moderately sorted, moderately dense		M/W	
DPT				-	-	-	9	Medium SAND, light orange, moderately sorted, moderately dense		W	
DPT				-	-	-	10	Medium SAND, light orange, moderately sorted, moderately dense		W	
DPT				-	-	-	11	Medium SAND, light orange, moderately sorted, moderately dense		W	
DPT				-	-	-	12	Medium SAND, light orange, moderately sorted, moderately dense		W	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

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Boring/Well Number: LSB-2				FDEP Facility Identification Number: 50/9502121				Site Name: Crystal Cleaners		Borehole Start Date: 08/08/23 End Date: 08/08/23		
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)	
DPT				-	-	-	13	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	14	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	15	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	16	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	17	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	18	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	19	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	20	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	21	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	22	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	23	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	24	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	25	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	26	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	27	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	28	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	29	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	30	Medium SAND, light tan, well sorted, dense		W		

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill CuttingsMoisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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Boring/Well Number: LSB-2				FDEP Facility Identification Number: 50/9502121				Site Name: Crystal Cleaners		Borehole Start Date: 08/08/23 End Date: 08/08/23		
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)	
DPT				-	-	-	31	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	32	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	33	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	34	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	35	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	36	Medium SAND, light tan, well sorted, dense		W		
DPT				-	-	-	37	Medium to coarse SAND with intermitten lenses of limerock, tan to white, poorly sorted, very dense		W		
DPT				-	-	-	38	Medium to coarse SAND with intermitten lenses of limerock, tan to white, poorly sorted, very dense		W		
DPT				-	-	-	39	Medium to coarse SAND with intermitten lenses of limerock, tan to white, poorly sorted, very dense		W		
DPT				-	-	-	40	Medium to coarse SAND with intermitten lenses of limerock, tan to white, poorly sorted, very dense		W		
DPT				-	-	-	41	Medium to coarse SAND with intermitten lenses of limerock, tan to white, poorly sorted, very dense		W		
DPT				-	-	-	42	Medium to coarse SAND with intermitten lenses of limerock, tan to white, poorly sorted, very dense		W		
DPT				-	-	-	43	Limerock, light gray to white, very dense to equipment refusal		W		
							44	REFUSAL				
							45					
							46					
							47					
							48					

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill CuttingsMoisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Appendix C

Well Construction Logs

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MW-1		Site Name: Crystal Cleaners		FDEP Facility I.D. Number:	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): 08/02/23	
If AG, list feet of riser above land surface:				Well Install Method: Hand Auger	
Borehole Depth (feet): 9.5		Well Depth (feet): 9.5	Borehole Diameter (inches): 4	Manhole Diameter (inches): 5	Well Pad Size: Donut well pad 6 inch by 6 inch
Riser Diameter and Material: 1" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)	Riser Length: 4.5 feet from 0.0 feet to 4.5 feet		
Screen Diameter and Material: 1" dia. PVC Schedule 40		Screen Slot Size: 0.006	Screen Length: 5.0 feet from 4.5 feet to 9.5 feet		
1 st Surface Casing Material: also check: ☒ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: _____ feet from _____ feet to _____ feet		
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet		
3 rd Surface Casing Material: also check: ☐ Permanent ☒ Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet		
Filter Pack Material and Size: 30/65	Prepacked Filter Around Screen (check one): ☒ Yes ☒ No		Filter Pack Length: 8.50 feet from 1.0 feet to 9.5		
Filter Pack Seal Material and Size: NA			Filter Pack Seal Length: NA feet from NA feet to NA feet		
Surface Seal Material: Neat Portland Seal			Surface Seal Length: 0.50 feet from 0.5 feet to 1.0 feet		

WELL DEVELOPMENT DATA			
Well Development Date: 08/02/23		Well Development Method (check one): ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): 8.2	
Pumping Rate (gallons per minute): 0.25	Maximum Drawdown of Groundwater During Development (feet): 0.8		Well Purged Dry (check one): ☐ Yes ☒ No
Pumping Condition (check one): ☒ Continuous ☐ Intermittent	Total Development Water Removed (gallons): 5.0	Development Duration (minutes): 20	Development Water Drummed (check one): ☒ Yes ☐ No
Water Appearance (color and odor) At Start of Development: white to light gray, cloudy		Water Appearance (color and odor) At End of Development: slightly cloudy, low turbidity	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MW-2		Site Name: Crystal Cleaners		FDEP Facility I.D. Number:	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): 10/23/23	
If AG, list feet of riser above land surface:				Well Install Method: Hand Auger	
Borehole Depth (feet): 15		Well Depth (feet): 15		Borehole Diameter (inches): 8	
Manhole Diameter (inches): 8		Well Pad Size: 2 feet by 2 feet			
Riser Diameter and Material: 1" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 5.0 feet from 0.0 feet to 5.0 feet	
Screen Diameter and Material: 1" dia. PVC Schedule 40		Screen Slot Size: 0.006		Screen Length: 10.0 feet from 5.0 feet to 15.0 feet	
1 st Surface Casing Material: also check: ☒ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☒ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet	
Filter Pack Material and Size: 20/30		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: 12.00 feet from 3.0 feet to 15.0 feet	
Filter Pack Seal Material and Size: 30/65				Filter Pack Seal Length: 1 feet from 2.0 feet to 3.0 feet	
Surface Seal Material: Neat Portland Seal				Surface Seal Length: 1.50 feet from 0.5 feet to 2.0 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 10/23/23		Well Development Method (check one): ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☐ Centrifugal ☒ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): 8.04	
Pumping Rate (gallons per minute): 0.20		Maximum Drawdown of Groundwater During Development (feet): 0.8	
Well Purged Dry (check one): ☐ Yes ☒ No			
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Total Development Water Removed (gallons): 4	
Development Duration (minutes): 20		Development Water Drummed (check one): ☒ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: white to light gray, cloudy		Water Appearance (color and odor) At End of Development: slightly cloudy, low turbidity	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MW-3		Site Name: Crystal Cleaners		FDEP Facility I.D. Number:	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): 10/23/23	
If AG, list feet of riser above land surface:				Well Install Method: Hand Auger	
Borehole Depth (feet): 15		Well Depth (feet): 15		Borehole Diameter (inches): 8	
Manhole Diameter (inches): 8		Well Pad Size: 2 feet by 2 feet			
Riser Diameter and Material: 1" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 5.0 feet from 0.0 feet to 5.0 feet	
Screen Diameter and Material: 1" dia. PVC Schedule 40		Screen Slot Size: 0.006		Screen Length: 10.0 feet from 5.0 feet to 15.0 feet	
1 st Surface Casing Material: also check: ☒ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☒ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet	
Filter Pack Material and Size: 20/30		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: 12.00 feet from 3.0 feet to 15.0 feet	
Filter Pack Seal Material and Size: 30/65				Filter Pack Seal Length: 1 feet from 2.0 feet to 3.0 feet	
Surface Seal Material: Neat Portland Seal				Surface Seal Length: 1.50 feet from 0.5 feet to 2.0 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 10/23/23		Well Development Method (check one): ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☐ Centrifugal ☒ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): 7.89	
Pumping Rate (gallons per minute): 0.1		Maximum Drawdown of Groundwater During Development (feet): 0.9	
Well Purged Dry (check one): ☐ Yes ☒ No			
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Total Development Water Removed (gallons): 4	
Development Duration (minutes): 40		Development Water Drummed (check one): ☒ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: white to light gray, cloudy		Water Appearance (color and odor) At End of Development: slightly cloudy, low turbidity	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: DW-1		Site Name: Crystal Cleaners		FDEP Facility I.D. Number:	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) Monitoring ☒ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): 10/23/23	
If AG, list feet of riser above land surface:				Well Install Method: Hand Auger	
Borehole Depth (feet): 30		Well Depth (feet): 30		Borehole Diameter (inches): 8	
Manhole Diameter (inches): 8		Well Pad Size: 2 feet by 2 feet			
Riser Diameter and Material: 1" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 25.0 feet from 0.0 feet to 25.0 feet	
Screen Diameter and Material: 1" dia. PVC Schedule 40		Screen Slot Size: 0.006		Screen Length: 5.0 feet from 25.0 feet to 30.0 feet	
1 st Surface Casing Material: also check: ☒ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☒ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet	
Filter Pack Material and Size: 20/30		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: 8.00 feet from 22.0 feet to 30.0 feet	
Filter Pack Seal Material and Size: 30/65				Filter Pack Seal Length: 2 feet from 20.0 feet to 22.0 feet	
Surface Seal Material: Neat Portland Seal				Surface Seal Length: 19.50 feet from 0.5 feet to 20.0 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 10/23/23		Well Development Method (check one): ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☐ Centrifugal ☒ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): 8.13	
Pumping Rate (gallons per minute): 0.2		Maximum Drawdown of Groundwater During Development (feet): 0.6	
Well Purged Dry (check one): ☐ Yes ☒ No			
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Total Development Water Removed (gallons): 4	
Development Duration (minutes): 20		Development Water Drummed (check one): ☒ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: white to light gray, cloudy		Water Appearance (color and odor) At End of Development: slightly cloudy, low turbidity	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: PZ-1		Site Name: Crystal Cleaners		FDEP Facility I.D. Number:	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): 08/08/23	
If AG, list feet of riser above land surface:				Well Install Method: Hand Auger/DPT	
Borehole Depth (feet): 15		Well Depth (feet): 15		Borehole Diameter (inches): 6	
Manhole Diameter (inches): 8"		Well Pad Size: 2 feet by 2 feet			
Riser Diameter and Material: 1" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 5.0 feet from 0.0 feet to 5.0 feet	
Screen Diameter and Material: 1" dia. PVC Schedule 40		Screen Slot Size: 0.006		Screen Length: 10 feet from 5.0 feet to 15.0 feet	
1 st Surface Casing Material: also check: ☒ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet	
Filter Pack Material and Size: 20/30		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: 13.00 feet from 2.0 feet to 15.0 feet	
Filter Pack Seal Material and Size: 30/65				Filter Pack Seal Length: 1 feet from 1.0 feet to 2.0 feet	
Surface Seal Material: Neat Portland Seal				Surface Seal Length: 1.00 feet from 0.0 feet to 1.0 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 08/09/23		Well Development Method (check one): ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): 7.0	
Pumping Rate (gallons per minute): 0.25		Maximum Drawdown of Groundwater During Development (feet): 1.3	
Well Purged Dry (check one): ☐ Yes ☒ No			
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Total Development Water Removed (gallons): 5.0	
Development Duration (minutes): 20		Development Water Drummed (check one): ☒ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: white to light gray, cloudy		Water Appearance (color and odor) At End of Development: slightly cloudy, low turbidity	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: PZ-2		Site Name: Crystal Cleaners		FDEP Facility I.D. Number:	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date(s): 08/08/23	
If AG, list feet of riser above land surface:				Well Install Method: Hand Auger/DPT	
Borehole Depth (feet): 15		Well Depth (feet): 15		Borehole Diameter (inches): 6	
Manhole Diameter (inches): 8"		Well Pad Size: 2 feet by 2 feet			
Riser Diameter and Material: 1" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 5.0 feet from 0.0 feet to 5.0 feet	
Screen Diameter and Material: 1" dia. PVC Schedule 40		Screen Slot Size: 0.006		Screen Length: 10 feet from 5.0 feet to 15.0 feet	
1 st Surface Casing Material: also check: ☒ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet	
Filter Pack Material and Size: 20/30		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: 13.00 feet from 2.0 feet to 15.0 feet	
Filter Pack Seal Material and Size: 30/65				Filter Pack Seal Length: 1 feet from 1.0 feet to 2.0 feet	
Surface Seal Material: Neat Portland Seal				Surface Seal Length: 1.00 feet from 0.0 feet to 1.0 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 08/09/23		Well Development Method (check one): ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): 8.3	
Pumping Rate (gallons per minute): 0.25		Maximum Drawdown of Groundwater During Development (feet): 1.6	
Well Purged Dry (check one): ☐ Yes ☒ No			
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Total Development Water Removed (gallons): 5.0	
Development Duration (minutes): 20		Development Water Drummed (check one): ☒ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: white to light gray, cloudy		Water Appearance (color and odor) At End of Development: slightly cloudy, low turbidity	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: PZ-3		Site Name: Crystal Cleaners		FDEP Facility I.D. Number:	
Well Install Date(s): 08/08/23					
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Method: Hand Auger/DPT	
Surface Casing Install Method:					
If AG, list feet of riser above land surface:					
Borehole Depth (feet): 15	Well Depth (feet): 15	Borehole Diameter (inches): 6	Manhole Diameter (inches): 8"	Well Pad Size: 2 feet by 2 feet	
Riser Diameter and Material: 1" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)	Riser Length: 5.0 feet from 0.0 feet to 5.0 feet		
Screen Diameter and Material: 1" dia. PVC Schedule 40		Screen Slot Size: 0.006	Screen Length: 10 feet from 5.0 feet to 15.0 feet		
1 st Surface Casing Material: also check: ☒ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: _____ feet from _____ feet to _____ feet		
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet		
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet		
Filter Pack Material and Size: 20/30	Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: 13.00 feet from 2.0 feet to 15.0 feet		
Filter Pack Seal Material and Size: 30/65			Filter Pack Seal Length: 1 feet from 1.0 feet to 2.0 feet		
Surface Seal Material: Neat Portland Seal			Surface Seal Length: 1.00 feet from 0.0 feet to 1.0 feet		

WELL DEVELOPMENT DATA			
Well Development Date: 08/09/23		Well Development Method (check one): ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet): 7.70	
Pumping Rate (gallons per minute): 0.25	Maximum Drawdown of Groundwater During Development (feet): 1.2	Well Purged Dry (check one): ☐ Yes ☒ No	
Pumping Condition (check one): ☒ Continuous ☐ Intermittent	Total Development Water Removed (gallons): 5.0	Development Duration (minutes): 20	Development Water Drummed (check one): ☒ Yes ☐ No
Water Appearance (color and odor) At Start of Development: white to light gray, cloudy		Water Appearance (color and odor) At End of Development: slightly cloudy, low turbidity	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MAG-1		Site Name: Crystal Cleaners		FDEP Facility I.D. Number: ERIC_5171	
Well Install Date(s): 7/31/23					
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) ☐ Intermediate or Deep ☒ Remediation or Other (describe) Vapor Extration		Well Install Method: Hand Auger	
If AG, list feet of riser above land surface:				Surface Casing Install Method: N/A	
Borehole Depth (feet): 7	Well Depth (feet): 7	Borehole Diameter (inches): 4	Manhole Diameter (inches): N/A	Well Pad Size: 0 feet by 0 feet	
Riser Diameter and Material: 2" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 2.0 feet from 0.0 feet to 1.0 feet	
Screen Diameter and Material: 2" dia. PVC Schedule 40		Screen Slot Size: 0.010		Screen Length: 5.0 feet from 2.0 feet to 7.0 feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from 0 feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet	
Filter Pack Material and Size: 20/30 Sand		Prepacked Filter Around Screen (check one): ☐ Yes ☒ No		Filter Pack Length: 6.5 feet from 0.5 feet to 7.0 feet	
Filter Pack Seal Material and Size:		Fine Sand Seal 20/30		Filter Pack Seal Length: 0.25 feet from 0.25 feet to 0.5 feet	
Surface Seal Material:		Neat Portland Seal		Surface Seal Length: 0.25 feet from 0 feet to 0.25 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 08/01/23		Well Development Method (check one): ☐ Surge/Pump ☐ Pump ☐ Compressed Air ☒ Other (describe) Vapor Extration Vaccum	
Development Pump Type (check): ☐ Centrifugal ☐ Peristaltic ☐ Submersible ☒ Other (describe) vacuum blower		Depth to Groundwater (before developing in feet): N/A	
Pumping Rate (gallons per minute): N/A		Maximum Drawdown of Groundwater During Development (feet): N/A	
Well Purged Dry (check one): ☐ Yes ☐ No			
Pumping Condition (check one): ☐ Continuous ☐ Intermittent		Total Development Water Removed (gallons): N/A	
Development Duration (minutes): N/A		Development Water Drummed (check one): ☐ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: N/A		Water Appearance (color and odor) At End of Development: N/A	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
MAGS Vaccum Extration Well Installed Above Measured Shallow Water Table

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MAG-2		Site Name: Crystal Cleaners		FDEP Facility I.D. Number: ERIC_5171	
				Well Install Date(s): 7/31/23	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) ☐ Intermediate or Deep ☒ Remediation or Other (describe) Vapor Extraction		Well Install Method: Hand Auger	
If AG, list feet of riser above land surface:				Surface Casing Install Method: N/A	
Borehole Depth (feet): 7	Well Depth (feet): 7	Borehole Diameter (inches): 4	Manhole Diameter (inches): N/A	Well Pad Size: 0 feet by 0 feet	
Riser Diameter and Material: 2" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 2.0 feet from 0.0 feet to 1.0 feet	
Screen Diameter and Material: 2" dia. PVC Schedule 40		Screen Slot Size: 0.010		Screen Length: 5.0 feet from 2.0 feet to 7.0 feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from 0 feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet	
Filter Pack Material and Size: 20/30 Sand		Prepacked Filter Around Screen (check one): ☐ Yes ☒ No		Filter Pack Length: 6.5 feet from 0.5 feet to 7.0 feet	
Filter Pack Seal Material and Size:		Fine Sand Seal 20/30		Filter Pack Seal Length: 0.25 feet from 0.25 feet to 0.5 feet	
Surface Seal Material:		Neat Portland Seal		Surface Seal Length: 0.25 feet from 0 feet to 0.25 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 08/01/23		Well Development Method (check one): ☐ Surge/Pump ☐ Pump ☐ Compressed Air ☒ Other (describe) Vapor Extraction Vacuum	
Development Pump Type (check): ☐ Centrifugal ☐ Peristaltic ☐ Submersible ☒ Other (describe) vacuum blower		Depth to Groundwater (before developing in feet): N/A	
Pumping Rate (gallons per minute): N/A	Maximum Drawdown of Groundwater During Development (feet): N/A		Well Purged Dry (check one): ☐ Yes ☐ No
Pumping Condition (check one): ☐ Continuous ☐ Intermittent	Total Development Water Removed (gallons): N/A	Development Duration (minutes): N/A	Development Water Drummed (check one): ☐ Yes ☐ No
Water Appearance (color and odor) At Start of Development: N/A		Water Appearance (color and odor) At End of Development: N/A	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
MAGS Vacuum Extraction Well Installed Above Measured Shallow Water Table

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MAG-3		Site Name: Crystal Cleaners		FDEP Facility I.D. Number: ERIC_5171	
Well Install Date(s): 7/31/23					
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) ☐ Intermediate or Deep ☒ Remediation or Other (describe) Vapor Extraction		Well Install Method: Hand Auger	
If AG, list feet of riser above land surface:				Surface Casing Install Method: N/A	
Borehole Depth (feet): 7	Well Depth (feet): 7	Borehole Diameter (inches): 4	Manhole Diameter (inches): N/A	Well Pad Size: 0 feet by 0 feet	
Riser Diameter and Material: 2" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 2.0 feet from 0.0 feet to 1.0 feet	
Screen Diameter and Material: 2" dia. PVC Schedule 40		Screen Slot Size: 0.010		Screen Length: 5.0 feet from 2.0 feet to 7.0 feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: 0 feet from 0 feet to 0 feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: 0 feet from 0 feet to 0 feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: 0 feet from 0 feet to 0 feet	
Filter Pack Material and Size: 20/30 Sand		Prepacked Filter Around Screen (check one): ☐ Yes ☒ No		Filter Pack Length: 6.5 feet from 0.5 feet to 7.0 feet	
Filter Pack Seal Material and Size: Fine Sand Seal 20/30				Filter Pack Seal Length: 0.25 feet from 0.25 feet to 0.5 feet	
Surface Seal Material: Neat Portland Seal				Surface Seal Length: 0.25 feet from 0 feet to 0.25 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 08/01/23		Well Development Method (check one): ☐ Surge/Pump ☐ Pump ☐ Compressed Air ☒ Other (describe) Vapor Extraction Vacuum	
Development Pump Type (check): ☐ Centrifugal ☐ Peristaltic ☐ Submersible ☒ Other (describe) vacuum blower		Depth to Groundwater (before developing in feet): N/A	
Pumping Rate (gallons per minute): N/A	Maximum Drawdown of Groundwater During Development (feet): N/A		Well Purged Dry (check one): ☐ Yes ☐ No
Pumping Condition (check one): ☐ Continuous ☐ Intermittent	Total Development Water Removed (gallons): N/A	Development Duration (minutes): N/A	Development Water Drummed (check one): ☐ Yes ☐ No
Water Appearance (color and odor) At Start of Development: N/A		Water Appearance (color and odor) At End of Development: N/A	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
MAGS Vacuum Extraction Well Installed Above Measured Shallow Water Table

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MAG-4		Site Name: Crystal Cleaners		FDEP Facility I.D. Number: ERIC_5171	
Well Install Date(s): 7/31/23					
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) ☐ Intermediate or Deep ☒ Remediation or Other (describe) Vapor Extration		Well Install Method: Hand Auger	
If AG, list feet of riser above land surface:				Surface Casing Install Method: N/A	
Borehole Depth (feet): 7	Well Depth (feet): 7	Borehole Diameter (inches): 4	Manhole Diameter (inches): N/A	Well Pad Size: 0 feet by 0 feet	
Riser Diameter and Material: 2" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 2.0 feet from 0.0 feet to 1.0 feet	
Screen Diameter and Material: 2" dia. PVC Schedule 40		Screen Slot Size: 0.010		Screen Length: 5.0 feet from 2.0 feet to 7.0 feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: 0 feet from 0 feet to 0 feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: 0 feet from 0 feet to 0 feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: 0 feet from 0 feet to 0 feet	
Filter Pack Material and Size: 20/30 Sand		Prepacked Filter Around Screen (check one): ☐ Yes ☒ No		Filter Pack Length: 6.5 feet from 0.5 feet to 7.0 feet	
Filter Pack Seal Material and Size: Fine Sand Seal 20/30				Filter Pack Seal Length: 0.25 feet from 0.25 feet to 0.5 feet	
Surface Seal Material: Neat Portland Seal				Surface Seal Length: 0.25 feet from 0 feet to 0.25 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 08/01/23		Well Development Method (check one): ☐ Surge/Pump ☐ Pump ☐ Compressed Air ☒ Other (describe) Vapor Extration Vacuum	
Development Pump Type (check): ☐ Centrifugal ☐ Peristaltic ☐ Submersible ☒ Other (describe) vacuum blower		Depth to Groundwater (before developing in feet): N/A	
Pumping Rate (gallons per minute): N/A	Maximum Drawdown of Groundwater During Development (feet): N/A		Well Purged Dry (check one): ☐ Yes ☐ No
Pumping Condition (check one): ☐ Continuous ☐ Intermittent	Total Development Water Removed (gallons): N/A	Development Duration (minutes): N/A	Development Water Drummed (check one): ☐ Yes ☐ No
Water Appearance (color and odor) At Start of Development: N/A		Water Appearance (color and odor) At End of Development: N/A	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
MAGS Vacuum Extraction Well Installed Above Measured Shallow Water Table

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MAG-5		Site Name: Crystal Cleaners		FDEP Facility I.D. Number: ERIC_5171	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) ☐ Intermediate or Deep ☒ Remediation or Other (describe) Vapor Extration		Well Install Date(s): 7/31/23	
If AG, list feet of riser above land surface:				Well Install Method: Hand Auger	
Borehole Depth (feet): 7		Well Depth (feet): 7		Borehole Diameter (inches): 4	
Manhole Diameter (inches): N/A		Well Pad Size: 0 feet by 0 feet		Surface Casing Install Method: N/A	
Riser Diameter and Material: 2" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 2.0 feet from 0.0 feet to 1.0 feet	
Screen Diameter and Material: 2" dia. PVC Schedule 40		Screen Slot Size: 0.010		Screen Length: 5.0 feet from 2.0 feet to 7.0 feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from 0 feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet	
Filter Pack Material and Size: 20/30 Sand		Prepacked Filter Around Screen (check one): ☐ Yes ☒ No		Filter Pack Length: 6.5 feet from 0.5 feet to 7.0 feet	
Filter Pack Seal Material and Size: Fine Sand Seal 20/30				Filter Pack Seal Length: 0.25 feet from 0.25 feet to 0.5 feet	
Surface Seal Material: Neat Portland Seal				Surface Seal Length: 0.25 feet from 0 feet to 0.25 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 08/01/23		Well Development Method (check one): ☐ Surge/Pump ☐ Pump ☐ Compressed Air ☒ Other (describe) Vapor Extration Vacuum	
Development Pump Type (check): ☐ Centrifugal ☐ Peristaltic ☐ Submersible ☒ Other (describe) vacuum blower		Depth to Groundwater (before developing in feet): N/A	
Pumping Rate (gallons per minute): N/A		Maximum Drawdown of Groundwater During Development (feet): N/A	
Well Purged Dry (check one): ☐ Yes ☐ No			
Pumping Condition (check one): ☐ Continuous ☐ Intermittent		Total Development Water Removed (gallons): N/A	
Development Duration (minutes): N/A		Development Water Drummed (check one): ☐ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: N/A		Water Appearance (color and odor) At End of Development: N/A	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
MAGS Vacuum Extraction Well Installed Above Measured Shallow Water Table

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MAG-6		Site Name: Crystal Cleaners		FDEP Facility I.D. Number: ERIC_5171	
Well Install Date(s): 8/1/23					
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) ☐ Intermediate or Deep ☒ Remediation or Other (describe) Vapor Extraction		Well Install Method: Hand Auger	
If AG, list feet of riser above land surface:				Surface Casing Install Method: N/A	
Borehole Depth (feet): 7	Well Depth (feet): 7	Borehole Diameter (inches): 4	Manhole Diameter (inches): N/A	Well Pad Size: 0 feet by 0 feet	
Riser Diameter and Material: 2" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 2.0 feet from 0.0 feet to 1.0 feet	
Screen Diameter and Material: 2" dia. PVC Schedule 40		Screen Slot Size: 0.010		Screen Length: 5.0 feet from 2.0 feet to 7.0 feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from 0 feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet	
Filter Pack Material and Size: 20/30 Sand		Prepacked Filter Around Screen (check one): ☐ Yes ☒ No		Filter Pack Length: 6.5 feet from 0.5 feet to 7.0 feet	
Filter Pack Seal Material and Size: Fine Sand Seal 20/30				Filter Pack Seal Length: 0.25 feet from 0.25 feet to 0.5 feet	
Surface Seal Material: Neat Portland Seal				Surface Seal Length: 0.25 feet from 0 feet to 0.25 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 08/02/23		Well Development Method (check one): ☐ Surge/Pump ☐ Pump ☐ Compressed Air ☒ Other (describe) Vapor Extraction Vacuum	
Development Pump Type (check): ☐ Centrifugal ☐ Peristaltic ☐ Submersible ☒ Other (describe) vacuum blower		Depth to Groundwater (before developing in feet): N/A	
Pumping Rate (gallons per minute): N/A	Maximum Drawdown of Groundwater During Development (feet): N/A		Well Purged Dry (check one): ☐ Yes ☐ No
Pumping Condition (check one): ☐ Continuous ☐ Intermittent	Total Development Water Removed (gallons): N/A	Development Duration (minutes): N/A	Development Water Drummed (check one): ☐ Yes ☐ No
Water Appearance (color and odor) At Start of Development: N/A		Water Appearance (color and odor) At End of Development: N/A	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
MAGS Vacuum Extraction Well Installed Above Measured Shallow Water Table

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MAG-7		Site Name: Crystal Cleaners		FDEP Facility I.D. Number: ERIC_5171	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) ☐ Intermediate or Deep ☒ Remediation or Other (describe) Vapor Extration		Well Install Date(s): 8/1/23	
If AG, list feet of riser above land surface:				Well Install Method: Hand Auger	
				Surface Casing Install Method: N/A	
Borehole Depth (feet): 7	Well Depth (feet): 7	Borehole Diameter (inches): 4	Manhole Diameter (inches): N/A	Well Pad Size: 0 feet by 0 feet	
Riser Diameter and Material: 2" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 2.0 feet from 0.0 feet to 1.0 feet	
Screen Diameter and Material: 2" dia. PVC Schedule 40		Screen Slot Size: 0.010		Screen Length: 5.0 feet from 2.0 feet to 7.0 feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from 0 feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet	
Filter Pack Material and Size: 20/30 Sand		Prepacked Filter Around Screen (check one): ☐ Yes ☒ No		Filter Pack Length: 6.5 feet from 0.5 feet to 7.0 feet	
Filter Pack Seal Material and Size:		Fine Sand Seal 20/30		Filter Pack Seal Length: 0.25 feet from 0.25 feet to 0.5 feet	
Surface Seal Material:		Neat Portland Seal		Surface Seal Length: 0.25 feet from 0 feet to 0.25 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 08/02/23		Well Development Method (check one): ☐ Surge/Pump ☐ Pump ☐ Compressed Air ☒ Other (describe) Vapor Extration Vaccum	
Development Pump Type (check): ☐ Centrifugal ☐ Peristaltic ☐ Submersible ☒ Other (describe) vacuum blower		Depth to Groundwater (before developing in feet): N/A	
Pumping Rate (gallons per minute): N/A		Maximum Drawdown of Groundwater During Development (feet): N/A	
Well Purged Dry (check one): ☐ Yes ☐ No			
Pumping Condition (check one): ☐ Continuous ☐ Intermittent		Total Development Water Removed (gallons): N/A	
Development Duration (minutes): N/A		Development Water Drummed (check one): ☐ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: N/A		Water Appearance (color and odor) At End of Development: N/A	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
MAGS Vaccum Extraction Well Installed Above Measured Shallow Water Table

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MAG-8		Site Name: Crystal Cleaners		FDEP Facility I.D. Number: ERIC_5171	
Well Install Date(s): 8/1/23					
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) ☐ Intermediate or Deep ☒ Remediation or Other (describe) Vapor Extration		Well Install Method: Hand Auger	
If AG, list feet of riser above land surface:				Surface Casing Install Method: N/A	
Borehole Depth (feet): 7	Well Depth (feet): 7	Borehole Diameter (inches): 4	Manhole Diameter (inches): N/A	Well Pad Size: 0 feet by 0 feet	
Riser Diameter and Material: 2" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 2.0 feet from 0.0 feet to 1.0 feet	
Screen Diameter and Material: 2" dia. PVC Schedule 40		Screen Slot Size: 0.010		Screen Length: 5.0 feet from 2.0 feet to 7.0 feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from 0 feet to _____ feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet	
Filter Pack Material and Size: 20/30 Sand		Prepacked Filter Around Screen (check one): ☐ Yes ☒ No		Filter Pack Length: 6.5 feet from 0.5 feet to 7.0 feet	
Filter Pack Seal Material and Size:		Fine Sand Seal 20/30		Filter Pack Seal Length: 0.25 feet from 0.25 feet to 0.5 feet	
Surface Seal Material:		Neat Portland Seal		Surface Seal Length: 0.25 feet from 0 feet to 0.25 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 08/02/23		Well Development Method (check one): ☐ Surge/Pump ☐ Pump ☐ Compressed Air ☒ Other (describe) Vapor Extration Vaccum	
Development Pump Type (check): ☐ Centrifugal ☐ Peristaltic ☐ Submersible ☒ Other (describe) vacuum blower		Depth to Groundwater (before developing in feet): N/A	
Pumping Rate (gallons per minute): N/A		Maximum Drawdown of Groundwater During Development (feet): N/A	
Well Purged Dry (check one): ☐ Yes ☐ No			
Pumping Condition (check one): ☐ Continuous ☐ Intermittent		Total Development Water Removed (gallons): N/A	
Development Duration (minutes): N/A		Development Water Drummed (check one): ☐ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: N/A		Water Appearance (color and odor) At End of Development: N/A	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
MAGS Vaccum Extraction Well Installed Above Measured Shallow Water Table

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MAG-9		Site Name: Crystal Cleaners		FDEP Facility I.D. Number: ERIC_5171	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) ☐ Intermediate or Deep ☒ Remediation or Other (describe) Vapor Extration		Well Install Date(s): 8/1/23	
If AG, list feet of riser above land surface:				Well Install Method: Hand Auger	
Borehole Depth (feet): 7		Well Depth (feet): 7		Borehole Diameter (inches): 4	
Manhole Diameter (inches): N/A		Well Pad Size: 0 feet by 0 feet		Surface Casing Install Method: N/A	
Riser Diameter and Material: 2" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 2.0 feet from 0.0 feet to 1.0 feet	
Screen Diameter and Material: 2" dia. PVC Schedule 40		Screen Slot Size: 0.010		Screen Length: 5.0 feet from 2.0 feet to 7.0 feet	
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: 0 feet from 0 feet to 0 feet	
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: 0 feet from 0 feet to 0 feet	
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: 0 feet from 0 feet to 0 feet	
Filter Pack Material and Size: 20/30 Sand		Prepacked Filter Around Screen (check one): ☐ Yes ☒ No		Filter Pack Length: 6.5 feet from 0.5 feet to 7.0 feet	
Filter Pack Seal Material and Size: Fine Sand Seal 20/30				Filter Pack Seal Length: 0.25 feet from 0.25 feet to 0.5 feet	
Surface Seal Material: Neat Portland Seal				Surface Seal Length: 0.25 feet from 0 feet to 0.25 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 08/02/23		Well Development Method (check one): ☐ Surge/Pump ☐ Pump ☐ Compressed Air ☒ Other (describe) Vapor Extration Vaccum	
Development Pump Type (check): ☐ Centrifugal ☐ Peristaltic ☐ Submersible ☒ Other (describe) vacuum blower		Depth to Groundwater (before developing in feet): N/A	
Pumping Rate (gallons per minute): N/A		Maximum Drawdown of Groundwater During Development (feet): N/A	
Well Purged Dry (check one): ☐ Yes ☐ No			
Pumping Condition (check one): ☐ Continuous ☐ Intermittent		Total Development Water Removed (gallons): N/A	
Development Duration (minutes): N/A		Development Water Drummed (check one): ☐ Yes ☐ No	
Water Appearance (color and odor) At Start of Development: N/A		Water Appearance (color and odor) At End of Development: N/A	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
MAGS Vaccum Extraction Well Installed Above Measured Shallow Water Table

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MAG-10		Site Name: Crystal Cleaners		FDEP Facility I.D. Number: ERIC_5171	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) ☐ Intermediate or Deep ☒ Remediation or Other (describe) Vapor Extration		Well Install Date(s): 8/1/23	
If AG, list feet of riser above land surface:				Well Install Method: Hand Auger	
Borehole Depth (feet): 7		Well Depth (feet): 7	Borehole Diameter (inches): 4	Manhole Diameter (inches): N/A	Well Pad Size: 0 feet by 0 feet
Riser Diameter and Material: 2" dia. PVC Schedule 40		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)	Riser Length: 2.0 feet from 0.0 feet to 1.0 feet		
Screen Diameter and Material: 2" dia. PVC Schedule 40		Screen Slot Size: 0.010	Screen Length: 5.0 feet from 2.0 feet to 7.0 feet		
1 st Surface Casing Material: also check: ☐ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: feet from 0 feet to feet		
2 nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: feet from 0 feet to feet		
3 rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: feet from 0 feet to feet		
Filter Pack Material and Size: 20/30 Sand		Prepacked Filter Around Screen (check one): ☐ Yes ☒ No		Filter Pack Length: 6.5 feet from 0.5 feet to 7.0 feet	
Filter Pack Seal Material and Size:		Fine Sand Seal 20/30		Filter Pack Seal Length: 0.25 feet from 0.25 feet to 0.5 feet	
Surface Seal Material:		Neat Portland Seal		Surface Seal Length: 0.25 feet from 0 feet to 0.25 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 08/02/23		Well Development Method (check one): ☐ Surge/Pump ☐ Pump ☐ Compressed Air ☒ Other (describe) Vapor Extration Vacuum	
Development Pump Type (check): ☐ Centrifugal ☐ Peristaltic ☐ Submersible ☒ Other (describe) vacuum blower		Depth to Groundwater (before developing in feet): N/A	
Pumping Rate (gallons per minute): N/A	Maximum Drawdown of Groundwater During Development (feet): N/A		Well Purged Dry (check one): ☐ Yes ☐ No
Pumping Condition (check one): ☐ Continuous ☐ Intermittent	Total Development Water Removed (gallons): N/A	Development Duration (minutes): N/A	Development Water Drummed (check one): ☐ Yes ☐ No
Water Appearance (color and odor) At Start of Development: N/A		Water Appearance (color and odor) At End of Development: N/A	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
MAGS Vacuum Extraction Well Installed Above Measured Shallow Water Table

Appendix D
Groundwater Sample Logs

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Crystal Cleaner		SITE LOCATION: West Palm Beach	
WELL NO: P7-01	SAMPLE ID: P7-01	DATE: 08/10/23	

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

SITE NAME: Crystal Cleaners		SITE LOCATION: West Palm Beach	
WELL NO: PZ-02	SAMPLE ID: PZ-2	DATE: 09/10/23	

[illegible]

SAMPLED BY (PRINT) / AFFILIATION: <i>Kennan G. Howard</i>				SAMPLER(S) SIGNATURE(S): <i>Kennan G. Howard</i>			SAMPLING INITIATED AT: <i>0915</i>		SAMPLING ENDED AT: <i>0818</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>10</i>				TUBING MATERIAL CODE: <i>HDPPE</i>			FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y ☒ N ☐ TUBING Y ☒ N ☐ (replaced)							DUPLICATE: Y ☒ N ☐			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
<i>PZ-02</i>	<i>3</i>	<i>CG</i>	<i>40ml</i>	<i>HCl/Nac.</i>	<i>-</i>	<i>-</i>	<i>BZC VOC's (EIL+)</i>	<i>DSP</i>	<i>36 ml/min</i>	
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPF = Reverse Flow Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

SITE NAME: Crystal Cleaners	SITE LOCATION: West Palm Beach
WELL NO: PZ-03	SAMPLE ID: PZ-03
	DATE: 08/10/23

WELL DIAMETER (inches) 1"	TUBING DIAMETER (inches) 0.25"	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 7.70	PURGE PUMP TYPE OR BAILER: pp

$$= 15.0 \text{ feet} - 7.70 \text{ feet} \times 0.04 \text{ gallons/foot} = 0.29 \text{ gallons}$$
$$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$
[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88									
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0002; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.016; 5/8" = 0.016									
PURGING EQUIPMENT CODES: B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump, O = Other (Specify)									

SAMPLED BY (PRINT) AFFILIATION: Kramer G. Hovner	SAMPLER(S) SIGNATURE(S): <i>Kramer G. Hovner</i>	SAMPLING INITIATED AT: 1235	SAMPLING ENDED AT: 1238

FIELD DECONTAMINATION:	PUMP	Y	N	TUBING	Y	N (replaced)	DUPLICATE	Y	N

SALABLE FUND

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
P2-03	3	CG	40mL	HCL/Nore	—	—	8260 FULL LIST	MAP	3.0 ⁱⁿ / _{min}

REMARKS:

MATERIAL CODES: AG = Amber Glass CG = Clear Glass HDPE = High Density Polyethylene LDPE = Low Density Polyethylene PP = Polypropylene
S = Silicone T = Teflon O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump;
 RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 220(-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 25 NTU; optionally ≤ 5 NTU or $\pm 10\%$ (whichever is greater)

SITE NAME Crystal Cleaners		SITE LOCATION West Palm Beach	
WELL NO. MW-01	SAMPLE ID. MW-01	DATE: 08	

WELL DIAMETER (inches) 1"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: 4.5 feet to 9.5 feet	STATIC DEPTH TO WATER (feet): 8.42	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (9.5 feet - 8.42 feet) X 0.04 gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				

[illegible]

Revision Date: January 2017

YSI MULTI-PARAMETER FIELD CALIBRATION WORKSHEET

Project Name: Crystal Cleaners
Sample Tech.: Kenyon G Howard

Date: 08/10/23

Model: YSI

Operation Notes:

- 1) Allow for at least 10 minutes for warmup and DO saturation prior to use
- 2) Did the DO membrane require replacement? ☒ Yes ☐ No
- 3) Is turbidity wiper operational? ☐ Yes ☒ No
- 4) DO Sensor Check.



Meter #:

Sonde #:

APTIM SN:

Complete the DO sensor check with the 6000 series unit cold, turned on for the first time of the day

Go to the RUN mode and watch the DO% output for about a 2 minute period. The unit

should display decreasing values to a stabilization reading at or near ~ 100%, or lower with higher altitude.

In the event that the DO% starts low and climbs to a stabilization value indicates that the sensor requires maintenance.

DO Sensor Operational ?

☒ Yes ☐ No

Parameter	Readings / Time					Units	Florida Department of Environmental Protection ACCEPTABILITY RANGE
	Initial prior to calibration	Directly After Calibration	Accept Calibration	Final after sampling	Accept Final Check		
Barometric pressure	<u>746.1</u> @ <u>0745</u>					mmHg	Monthly independent barometric pressure check. +/- 2.5 mmHg
Temperature	<u>28.1</u> @ <u>0745</u>	<u>28.1</u> @ <u>0720</u>	☒	<u>29.4</u> @ <u>1620</u>	☒	C	Monthly Check with NIST Thermometer. +/- 0.5 °C of NIST
Dissolved Oxygen	<u>7.89</u> @ <u>0715</u>	<u>7.80</u> @ <u>0720</u>	☒	<u>7.60</u> @ <u>1620</u>	☒	mg/L	+/- 0.2 mg/L from temperature adjusted 100% DO saturation (See DO/Temp Table 1 below)
Conductivity <u>10000 µS/cm</u>	<u>9731</u> @ <u>0715</u>	<u>9909</u> @ <u>0720</u>	☒	<u>9914</u> @ <u>1620</u>	☒	µS/cm	+/- 5.0 % of standard
pH 7 (Note: use first)	<u>7.11</u> @ <u>0722</u>	<u>7.03</u> @ <u>0725</u>	☒	<u>7.10</u> @ <u>1625</u>	☒	SU	+/- 0.2 SU of standard
pH 4	<u>3.93</u> @ <u>0728</u>	<u>3.95</u> @ <u>0731</u>	☒	<u>4.03</u> @ <u>1628</u>	☒	SU	
pH 10	<u>10.17</u> @ <u>0733</u>	<u>10.06</u> @ <u>0738</u>	☒	<u>9.96</u> @ <u>1631</u>	☒	SU	
ORP	<u>-</u> @	<u>-</u> @	☒	<u>-</u> @	☒	mV	+/- 10 mV of standard
Turbidity (0) (HACH 2100 Meter)	<u>0.00</u> @ <u>0715</u>	<u>0.00</u> @ <u>0720</u>	☒	<u>0.00</u> @	☒	NTU	+/- 5% or 2 NTUs of standard (YSI Specifications)
Turbidity (20 NTU) (HACH 2100 Meter)	<u>20.21</u> @ <u>0722</u>	<u>20.04</u> @ <u>0728</u>	☒	<u>20.05</u> @	☒	NTU	+/- 5% of NTU standard

Table 1: DO 100% Saturation vs. Temperature

Temp (C)	DO	Temp (C)	DO	Temp (C)	DO	Temp (C)	DO	Temp (C)	DO
15	10.084	20	9.092	25	8.263	30	7.559	35	6.950
16	9.870	21	8.915	26	8.113	31	7.430	36	6.837
17	9.665	22	8.743	27	7.968	32	7.305	37	6.727
18	9.467	23	8.578	28	7.827	33	7.183	38	6.620
19	9.276	24	8.418	29	7.691	34	7.065	39	6.515

Calibration Standards

Parameter	Name	Lot #	Description	Color	Expiration
Conductivity (10 mS)	Provided by APTIM Findlay Any questions, call Ed Shuck in Findlay @ 419-425-6050		KCl, I ₂ , H ₂ O	Clear	Provided by APTIM Findlay Any questions, call Ed Shuck in Findlay @ 419-425-6050
pH 4 SU			pH 4.0 standard	Red	
pH 7 SU			pH 7.0 standard	Green	
pH 10 SU			pH 10.0 standard	Blue	
Turbidity (0 NTU)			Reverse osmosis H ₂ O	Clear	
Turbidity (126 NTU)	Calibrated by APTIM Findlay; For the B 5 by 11" sheet that comes with each new rental instrument, keep YSI calibration record in current log file		KCl, I, H ₂ O (YSI specific)	White	
ORP			Zobell	White	

FIELD INSTRUMENT CALIBRATION RECORDS - CALIBRATION LOG - PRP

Project Site/FacID: Crystal Cleaners

Calibrated by (Print)/Affiliation: John Bell Aptim

Boldly "X" this box if there is qualified data on this page.

Temperature (Quarterly)

Date of Last Temp Verification:

See log book:

DISSOLVED OXYGEN (DO) (REFERENCE: DEP SOP FT 1500)

Acceptance Criteria +/-0.3 mg DO/L

Meter/Instrument Name and Unique ID: 556 YSI 106407

CAL	ICV	CCV	Initials	Date	Time	Standard (DO %)	Temp °C	DO Saturation mg/L (100%)**	Response DO (%)	Response mg DO/L	Deviation mg DO/L	Pass or Fail
CAL	ICV	CCV	JB	11-1-23	0530	100%	22.8	8.89	104.3			P F
CAL	ICV	CCV	JB	11-1-23	1415	100%	22.2	8.55	98.1		6.2	P F
CAL	ICV	CCV				100%						P F
CAL	ICV	CCV				100%						P F
CAL	ICV	CCV				100%						P F
CAL	ICV	CCV				100%						P F

** See Table FS 2200-2 and/or Table FT 1500-1 for Dissolved Oxygen 100% Saturation (mg/L) corresponding to Temperature.

SPECIFIC CONDUCTANCE (REFERENCE: DEP SOP FT 1200)

Acceptance Criteria +/-5% the standard

Meter/Instrument Name and Unique ID:

CAL	ICV	CCV	Initials	Date	Time	Standard (µmho/cm)	Exp. Date	Lot #	Response (µmho/cm)	Deviation (%)	Pass or Fail
CAL	ICV	CCV	JB	11-1-23	0535	1.413 ms/cm	5-24	36E0678	1.411		P F
CAL	ICV	CCV	JB	11-1-23	1420	1.413 ms/cm	5-24	36E0678	1.399	.012	P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F

OXIDATION-REDUCTION POTENTIAL (ORP)

Acceptance Criteria +/-10 mV

REFERENCE: EPA Region 4, Operating Procedure, Field Measurement of Oxidation-Reduction Potential (ORP)

Meter/Instrument Name and Unique ID:

CAL	ICV	CCV	Initials	Date	Time	Standard (mV)	Exp. Date	Lot #	Response (mV)	Deviation (mV)	Pass or Fail
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

Deviation (%) = 100-((Response/Standard)*100)

FIELD INSTRUMENT CALIBRATION RECORDS - CALIBRATION LOG - PRP

Project Site/FacID: Cystal Cleaners

Calibrated by (Print)/Affiliation: John Bell APTM

Boldly "X" this box if there is qualified data on this page.

TURBIDITY (REFERENCE: DEP SOP FT 1600)											
Meter/Instrument Name and Unique ID:											
Std=0.1-10 NTU +/-10%			Std=11-40 NTU +/-8%			Std=41-100 NTU +/-6.5%			Std>100 NTU +/-5%		
CAL	ICV	CCV	Initials	Date	Time	Standard (NTU)	Exp. Date	Lot #	Response (NTU)	Deviation (%)	Pass or Fail
CAL	ICV	CCV	JTB	11-1-23	0549	1.02W.1	11-1-23	0.0	0.00		(P) F
CAL	ICV	CCV	JTB	11-1-23	0550	124.0 FNU	7-24	2162124011	123.7		(P) F
CAL	ICV	CCV	JTB	11-1-23	1434	1.02W	11-1-23	0.0	0.00		(P) F
CAL	ICV	CCV	JTB	11-1-23	1435	124.0 FNU	7-24	2162124011	123.2	.5	(P) F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F

pH (REFERENCE: DEP SOP FT 1100)											
Meter/Instrument Name and Unique ID: <u>556 YSE 106407</u>											
Acceptance Criteria +/-0.2 SU											
CAL	ICV	CCV	Initials	Date	Time	Standard (SU)	Exp. Date	Lot #	Response (SU)	Deviation (SU)	Pass or Fail
CAL	ICV	CCV	JTB	11-1-23	0540	7.00	7/25	3660021	7.00		(P) F
CAL	ICV	CCV	JTB	11-1-23	0543	4.00	7/25	3660502	4.00		P F
CAL	ICV	CCV	JTB	11-1-23	0547	10.00	3/25	366006	10.02		P F
CAL	ICV	CCV	JTB	11-1-23	1425	7.00	7/25	3660021	6.91	.08	(P) F
CAL	ICV	CCV	JTB	11-1-23	1428	4.00	7/25	3660502	3.87		P F
CAL	ICV	CCV	JTB	11-1-23	1432	10.00	3/25	366006	9.74		P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

Deviation (%) = 100-((Response/Standard)*100)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Crystal Cleaners		SITE LOCATION: 2316 S Dixie Hwy Palm Beach, FL	
WELL NO: PZ-01		DATE: 11-1-23	

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Crystal Cleaners		SITE LOCATION: 2316 S. Dixie Hwy Palm Beach, FL	
WELL NO: PZ-03	SAMPLE ID: PZ-03		DATE: 11-1-23

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF MEAN

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Crystal Cleaners		SITE LOCATION: 2316 S. Dixie Hwy Palm Beach, FL	
WELL NO: MW-3	SAMPLE ID: MW-3	DATE: 11-1-23	

PURGING DATA

WELL DIAMETER (inches):		TUBING DIAMETER (inches):		WELL SCREEN INTERVAL DEPTH: feet TO / feet FROM		STATIC DEPTH TO WATER (feet):		PURGE PUMP TYPE OR BAILER:					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (15.00 \text{ feet} - 8.20 \text{ feet}) \times .04 \text{ gallons/foot} = .27 \text{ gallons}$													
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$													
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):			FINAL PUMP OR TUBING DEPTH IN WELL (feet):			PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):			
10			10			0910		0928		1.46			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) $\frac{\text{mg/L}}{\% \text{ saturation}}$	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)		
0916	.5	.5	.08	8.21	6.73	27.0	470	.77	22.6	yellow	NONE		
0919	.24	.74	.08	8.21	6.77	27.2	470	.63	15.6	"	"		
0922	.24	.98	.08	8.21	6.82	27.2	486	.60	18.5	"	"		
0925	.24	1.22	.08	8.21	6.81	27.2	488	.54	20.5	"	"		
0928	.24	1.46	.08	8.21	6.82	27.4	489	.53	12.8	"	"		
WELL CAPACITY (Gallons Per Foot): .75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016													
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)													

SAMPLING DATA

[illegible]

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR PUMP-OUT STATIONS

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Crystal Cleaner		SITE LOCATION: 2316 S. Dixie Hwy Palm Beach, FL	
WELL NO: PZ02	SAMPLE ID: PZ02		DATE: 11-1-23

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2);
optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Crystal Cleaners		SITE LOCATION: 2316 S. Dixie Hwy Palm Beach, FL	
WELL NO: DW-1	SAMPLE ID: DW-1		DATE: 11-1-23

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: $\pm 0.2^\circ\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: <u>Crystal Cleaners</u>		SITE LOCATION: <u>2316 S. Dixie Hwy Palm Beach, FL</u>	
WELL NO: <u>MW-2</u>	SAMPLE ID: <u>MW-2</u>	DATE: <u>11-1-23</u>	

PURGING DATA

WELL DIAMETER (inches): <u>1</u>	TUBING DIAMETER (inches): <u>3/8</u>	WELL SCREEN INTERVAL DEPTH: <u>5</u> feet to <u>15</u> feet	STATIC DEPTH TO WATER (feet): <u>8.37</u>	PURGE PUMP TYPE OR BAILER: <u>PP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (15.00 \text{ feet} - 8.37 \text{ feet}) \times .04 \text{ gallons/foot} = .26 \text{ gallons}$				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= .26 \text{ gallons} + (.04 \text{ gallons/foot} \times 10.0 \text{ feet}) + 0 = .66 \text{ gallons}$				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>900</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>10.0</u>	PURGING INITIATED AT: <u>1042</u>	PURGING ENDED AT: <u>1057</u>	TOTAL VOLUME PURGED (gallons): <u>1.22</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1048	.5	.5	.08	8.38	6.93	27.3	457	1.83	8.74	yellow	None
1051	.24	.74	.08	8.38	6.89	27.4	457	1.82	4.2	"	"
1054	.24	.98	.08	8.38	6.91	27.5	457	1.79	2.5	"	"
1057	.24	1.22	.08	8.38	6.92	27.5	455	1.82	1.9	"	"

WELL CAPACITY (Gallons Per Foot): .075" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>John Bell APT/m</u>		SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>		SAMPLING INITIATED AT: <u>1100</u>	SAMPLING ENDED AT: <u>1102</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>10.0</u>		TUBING MATERIAL CODE: <u>HDPE</u>	FIELD-FILTERED: Y <u>(N)</u>	FILTER SIZE: <u> </u> μm	
FIELD DECONTAMINATION: PUMP Y <u>(N)</u>		TUBING Y <u>(N)</u> (replaced)		DUPLICATE: Y <u>(N)</u>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-2	3	CG	40mL	HCL	-	-	8360 full	APP	100mL

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFP = Reverse Flow Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

4

ORP

-214
-208
-201

-214
-208
-201

-214
-208
-201

-214
-208
-201

-214
-208
-201

-214
-208
-201

-214
-208
-201

YSI MULTI-PARAMETER FIELD CALIBRATION WORKSHEET

Project Name: Crystal Cleaners

Date: 12/14/23

Sample Tech.: Ryan Lindsay

Model: YSI -LVE003197

Operation Notes:

1) Allow for at least 10 minutes for warmup and DO saturation prior to use.

2) Did the DO membrane require replacement?

Yes / No

3) Is turbidity wiper operational?

N/A

4) DO Sensor Check.

Meter #: YSI-LVE003238

Sonde #: FSLVE0164

APTIM SN: _____

Complete the DO sensor check with the 6000 series unit cold, turned on for the first time of the day.

Go to the RUN mode and watch the DO% output for about a 2 minute period. The unit

should display decreasing values to a stabilization reading at or near ~ 100%, or lower with higher altitude.

In the event that the DO% starts low and climbs to a stabilization value indicates that the sensor requires maintenance.

DO Sensor Operational ?

Yes / No

Parameter	Readings / Time						Florida Department of Environmental Protection ACCEPTABILITY RANGE
	Initial prior to calibration	Directly After Calibration	Accept Calibration	Final after sampling	Accept Final Check	Units	
Barometric pressure	766.4 @ 1131	766.4 @ 1131	✓	766.1 @ 1236	✓	mmHg	Monthly independent barometric pressure check. +/- 2.5 mmHg
Temperature	26.1 @ 1132	26.1 @ 1132	✓	27.2 @ 1237	✓	C	Monthly Check with NIST Thermometer. +/- 0.5 °C of NIST
Dissolved Oxygen	8.10 @ 1133	8.10 @ 1133	✓	7.93 @ 1238	✓	mg/L	+/- 0.2 mg/L from temperature adjusted 100% DO saturation (See DO/Temp Table 1 below)
Conductivity	10.01 @ 1136	10.01 @ 1136	✓	10.00 @ 1241	✓	mS/cm	+/- 5.0 % of standard
pH 7 (Note: use first)	7.02 @ 1138	7.02 @ 1138	✓	7.02 @ 1244	✓	SU	+/- 0.2 SU of standard
pH 4	4.01 @ 1140	4.01 @ 1140	✓	4.01 @ 1246	✓	SU	
pH 10	9.99 @ 1142	9.99 @ 1142	✓	9.97 @ 1248	✓	SU	
ORP	231 @ 1145	240 @ 1147	✓	240 @ 1250	✓	mV	+/- 10 mV of standard
Turbidity 20 (HACH 2100 Meter)	19.8 @ 1151	19.8 @ 1151	✓	19.7 @ 1253	✓	NTU	+/- 5% or 2 NTUs of standard (YSI Specifications)
Turbidity 100 (HACH 2100 Meter)	98.7 @ 1153	98.7 @ 1153	✓	99.1 @ 1256	✓	NTU	+/- 5% of NTU standard

Table 1: DO 100% Saturation vs. Temperature

Temp (C)	DO	Temp (C)	DO	Temp (C)	DO	Temp (C)	DO	Temp (C)	DO
15	10.084	20	9.092	25	8.263	30	7.559	35	6.950
16	9.870	21	8.915	26	8.113	31	7.430	36	6.837
17	9.665	22	8.743	27	7.968	32	7.305	37	6.727
18	9.467	23	8.578	28	7.827	33	7.183	38	6.620
19	9.276	24	8.418	29	7.691	34	7.065	39	6.515

Calibration Standards

Parameter	Name	Lot #	Description	Color	Expiration
Conductivity (10 mS)	Provided by APTIM Findlay. Any questions, call Ed Shuck in Findlay @ 419-425-6050		KCl, I ₂ , H ₂ O	Clear	- DTW LVE003160 - Turb LVE0164 - DO LVE003197 - pH LVE003238 - ORP S059283 - PP LVE02600 Provided by APTIM Findlay. Any questions, call Ed Shuck in Findlay @ 419-425-6050
pH 4 SU			pH 4.0 standard	Red	
pH 7 SU			pH 7.0 standard	Green	
pH 10 SU			pH 10.0 standard	Blue	
Turbidity (0 NTU)			Reverse osmosis H ₂ O	Clear	
Turbidity (126 NTU)	Calibrated by APTIM Findlay. For the 8.5 by 11" sheet that comes with each new rental instrument, keep YSI calibration record in current .pdf file		KCl, I, H ₂ O (YSI specific)	White	
ORP			Zobell	White	

Appendix E

Field Notes

631031384

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Cryptid Cleaners

07/27/23

(1430) arrived in West Palm Beach

Met with Manager, walked through

site. Went through scope of work

activities.

Marked out locations for MHG Testing

and soil borings.

Steve Monahan

Tamika

(561-3772625)

(1530) Left West Palm Beach for Orlando

(1800) arrived in Orlando and stayed in the

field

- Note: Flooring made of both tile and

wood. There is active and very ornate

Scale: 1 square =

Angela H. Hearn

Notes in the Rain

Crystal Cleaners 07/30/23

Crew: K. Howard
K. McDonald } Aptia
R. Lindsay

Task: load out of Equipment, travel down to West Palm Beach

Weather: Rain, overcast, 80-90°F, Damp/Wet, wind of SW 5-10 mph

Equipment: Aptia Pickup 104275 310789

- (2) core's machines, (1) small generator, shop vac,
- (2) portable pumps w/ tubing, well supplies,
- (1) MGS Techno equipped with hoses, PID, both soil and air sampling kits, shovels, broom,
- (2) hand axes, 10' of extension each, cell phones

(1630) At other loading equipment

(1810) Left office for West Palm Beach

(2115) at hotel in West Palm Beach
end of day in the field.

Scale: 1 square =

K. Howard

Crystal Cleaners 07/30/23
631031384

Crew: K. Howard
R. Lindsay } Aptia
K. McDonald

Task: MGS well installation and soil sampling

Weather: Overcast, Rainy, 80-88°F, Damp/Wet,
light wind, lightning

Equipment: Same as previous day ~~631031384~~
MGS

(0730) arrived on site - MGS tailgate, site walk
through. Marked out locations outside of buildings.

(0845) gained access to building - walked through
locations with Manager and tenant owner

(0950) started removing floor boards around

MGS # 3 and SB-2 in alteration room

— We were able to remove wooden floor panels
prior to coring - we will reuse panels

— coring out other locations

(1130) Lunch Note: it has been raining since (1100)

(1200) continued with coring activities. identified
water table with an extra SB - 72 water outside of building

(1400) setting up to start soil sampling activities

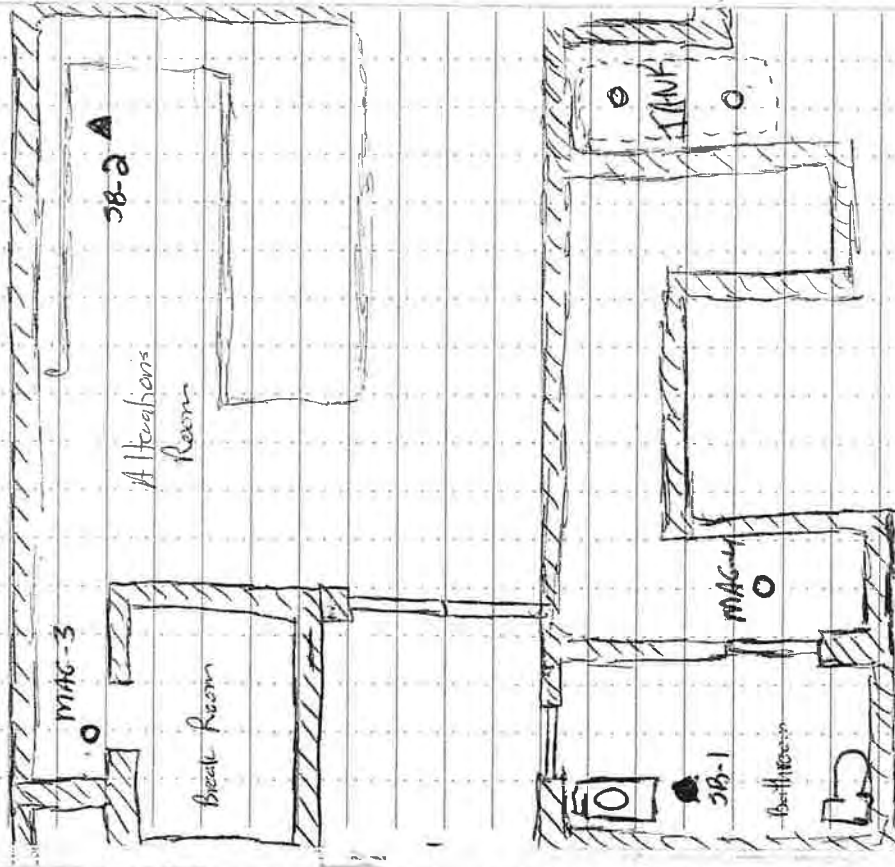
Soil Lindsay will be recorded on FDEP

Soil Boring logs

Scale: 1 square =

K. Howard

07/31/23



Scale: 1 square =

07/31/23

Soil Samples collected for 8260 VOCs (Full List)
8260 NOK (SPLP)

MAG-1.05	@ 1800	SB-1.05	@ 1530
MAG-1.2	@ 1805	SB-1.2	@ 1535
MAG-1.4	@ 1900	SB-1.4	@ 1540
MAG-1.6	@ 1905	SB-1.6	@ 1545
MAG-2.05	@ 1830	SB-2.05	@ 1400
MAG-2.2	@ 1835	SB-2.2	@ 1405
MAG-2.4	@ 1840	SB-2.4	@ 1410
MAG-2.6	@ 1845	SB-2.6	@ 1415
MAG-3.05	@ 1430		
MAG-3.2	@ 1435		
MAG-3.4	@ 1440		
MAG-3.6	@ 1445		
MAG-4.05	@ 1500		
MAG-4.2	@ 1515		
MAG-4.4	@ 1520		
MAG-4.6	@ 1525		
MAG-5.05	@ 1450		
MAG-5.2	@ 1455		
MAG-5.4	@ 1500		
MAG-5.6	@ 1505		

All soil analytical

samples were placed
immediately on ice

Upon completion of the soil sampling activities for
the MAG locations the MAG wells were installed

Scale: 1 square =

Rate in the Rain

07/31/23

MAG Construction work (excavated areas for site (See MAG's Construction Logs).)

MAGS through 5 installed

(2000) site was cleaned up and secured

Contacted Manager that we were done for the day

(2300) End of day in the field

- Note: Soil cuttings will be drummed
correctly as required

08/01/23

Crew: Kenyon Howard

John Bell

Kurt McDonald

Ryan Lindsay

Task: Soil sampling and MAG Completion

Weather: Partly cloudy, 80-90°F, very humid, wind out of SE 5-10 mph

Equipment: Same as previous day plus skin truck from Minn.

(0800) K Howard on site. Store does not open till (9:00)

(0900) John Bell on site. H's targets - getting up on MAG-10 outside

- John Bell has brought 35-gallon drums

- John is placing Previusky's socks in drum

- Drum is labelled

- removing asphalt covering from MAG-10

(0950) Started Soil sampling activities - see logs for data, Kuritz and Ryan on site

Soil samples collected

MAG-6.0 @ 1305 MAG-8.05 @ 1245

MAG-6.2 @ 1310 MAG-8.2 @ 1252

MAG-6.4 @ 1315 MAG-8.4 @ 1300

MAG-6.6 @ 1320 MAG-8.6 @ 1307

MAG-7.0 @ 1215 MAG-9.05 @ 1448

MAG-7.2 @ 1220 MAG-9.2 @ 1555

MAG-7.4 @ 1225 MAG-9.4 @ 1200

MAG-7.6 @ 1230 MAG-9.6 @ 1207

Scale: 1 square =

Return to site

Kenyon Howard

08/10/23

Soil Sampling

MAG - 10.05 @ 1000

MAG - 10.2 @ 1005

MAG - 10.4 @ 1010

MAG - 10.6 @ 1015

All samples were placed on ice

MAGS - 6 thru 10 were installed

(1400) John Bell is off site - heading to

AEL in Minnesota

(1530) Samples were dropped off at Lab

(1600) End of day time activities. (No Kim or John)

(1715) Kurk and Ryan are back on site to start night work on MAGS testing

MAG Data collected by Kurk McDonald

(2345) Night work completed

End of Day in the field

Scale: 1 square =

Kempner & Howard

08/02/23

Crew: K. Howard

J. Bell

K. McDonald

R. Lindgren

H. H. H.

Task: Install Shallow MW inside Facility, collect

remaining SBs - restore area to grade.

Weather: 80-90°F, humid, clear to partly cloudy,

5-10 mph wind out of SE

Equipment: Same as previous day

(0800) on site W's tail site: setting up on SB-7.

(0900) Start Soil sampling - curing out lot of asphalt locations

(1200) SL & KM are finishing MAG location restoration. MAGs are cut below grade and the hole is brought back to grade.

Flooding is restored or being is grouted back to grade. SB legs were completed using FOEP legs forming.

Scale: 1 square =

Kempner & Howard

Note in SW corner.

Crystal Cleaners

08/02/23

S.A. Colledge

SB-3.05 @ 1330
 SB-3.2 @ 1335
 SB-3.4 @ 1340
 SB-3.6 @ 1345
 SB-4.05 @ 1220
 SB-4.2 @ 1230
 SB-4.4 @ 1240
 SB-4.6 @ 1250
 SB-5.05 @ 1135
 SB-5.2 @ 1145
 SB-5.4 @ 1150
 SB-5.6 @ 1200
 SB-6.05 @ 0930
 SB-6.2 @ 0935
 SB-6.4 @ 0940
 SB-6.6 @ 0945
 SB-7.05 @ 0900
 SB-7.2 @ 0905
 SB-7.4 @ 0910
 SB-7.6 @ 0915

All samples were placed on ice.

(1430) John Bell was left to drop off samples.
 A.P.L.

(1545) R.L. and K.M. were heading back to office.

Scale: 1 square =

Kingston

Crystal Cleaners

08/02/23

MW-1 Placed in pits 5-10 inches

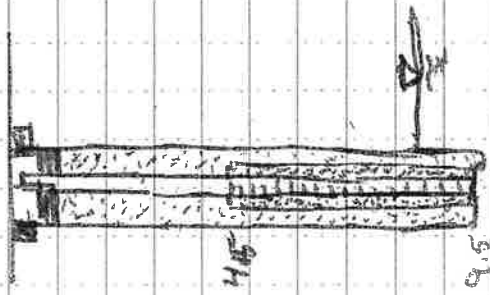
1" dia PVC Shallow Wells

1" dia PVC riser 4.5'

1" dia PVC W.S. (0.006 slots)

Filter Packs 30/60 (1-9.5')

Portland Cement (0.5'-1.0')



OTW ~ 8.5 bto

Well Development

Start 1830

Completed 1840

Grains Removed 5

developed filter starts but observed

(1900) End of day at the field

Scale: 1 square =

Kingston G. Howard

Rate in the field

08/03/23

Crew: K Howard - Admin

William Hardy - SA/Service

Task: Utility Markers - site cleanup.

Weather: 80-90°F, humid 5-10 mph wind and at 5th
down to partly cloudy(0800) on site to meet with Site Inspr
marked out utilities for next weeks
drilling activities(1200) Finishing up on site - left den
agenda

(1515) End of day in the field

#631031384

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Crydel Deane

08/08/23

Crew: K. Howard - Aptin

Mika R. Hor - GPI

Toray Reid - GPI

Tools: SB L Motors (2), (3) PZ, 1/2" Nuts

Swag.

Equipment: Aphim pickup #104275, hand saws, cell phone, small

coarse machine, generator, Esprache 7820 DS with support truck and hook, peristaltic pump with HOPE and silicon tubing.

(0830) K. Howard onsite site walk through. Spoke with tenant let them know today's drilling activities.

(0900) went to Alankhi Dilling - Picked up new materials for shallow new inside building.

(0940) back onsite - Dilling then arrived shortly after.

(1000) Site walk through with Dilling - identified marked activities.

(1030) unloading materials.

(1100) set up on L5B-2 in SW corner of M - property

Scale: 1 square =

Kayman D. Howard

Kayman D. Howard

08/08/23

[58-1]

NE corner

(0-5') Silty fine SAND, dk brown, loose, poorly sorted

dry

(5-11') Med SAND, lt orange, moderately sorted

moderately sorted

(11-24') Medium SAND, lt tan, dense, well sorted

(24-25') Silty, fine SAND tan to lt brown, dense,

(25-27') Medium SAND, lt tan, dense well sorted

(27-28') Limestone, lt tan to white, poorly sorted,

dense

(28-35') Coarse Med SAND, greenish gray,

dense, moderately sorted

30' Refusal (Limestone)

Refusal

445

60

Scale: 1 square =

Temperance

08/08/23

[58-2]

SW corner

(0-4') Silty fine SAND, dark brown, loose, poorly sorted

(4-10') Med SAND, lt orange, moderately sorted, moderately dense

(10-36') Med SAND, lt tan, dense, well sorted

Greenish Gray Med to coarse SAND with pebbles

Refusal of Limestone

REFUSAL AT 43' BL

Compacted Rock

445

60

Scale: 1 square =

Temperance

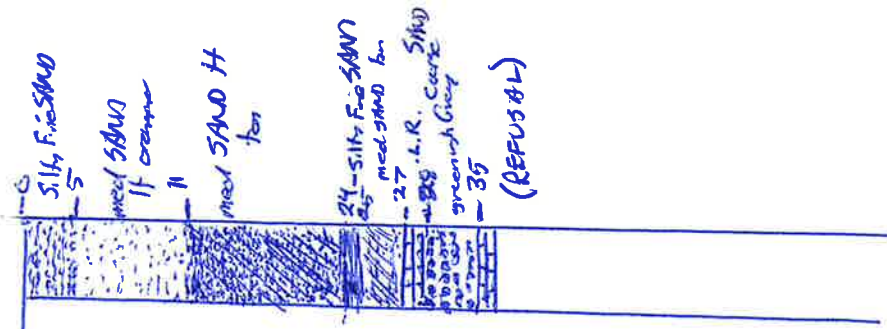
Refusal in the Rain

CRYSTAL CLEANERS

West Palm Beach

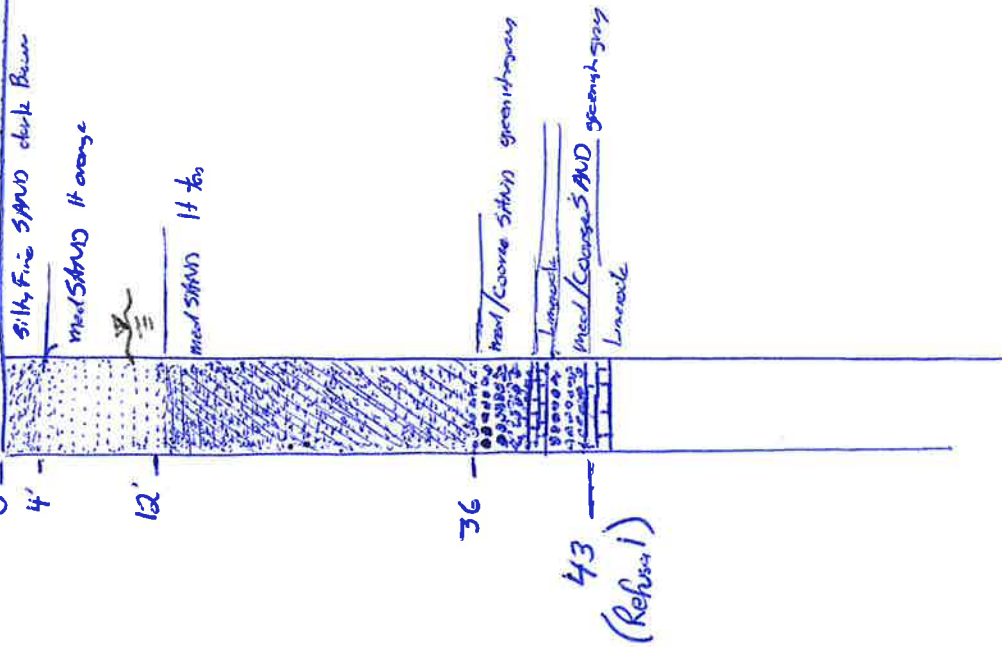
NE

LSB-1

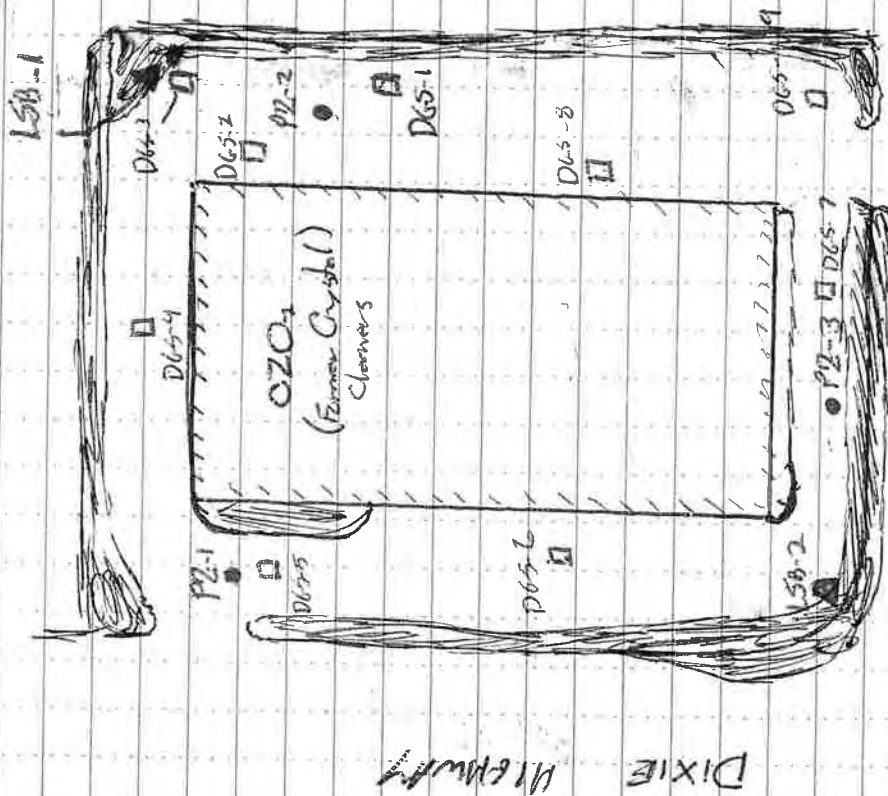


SW

LSB-2



08/08/23



A - LSB

● - PZ

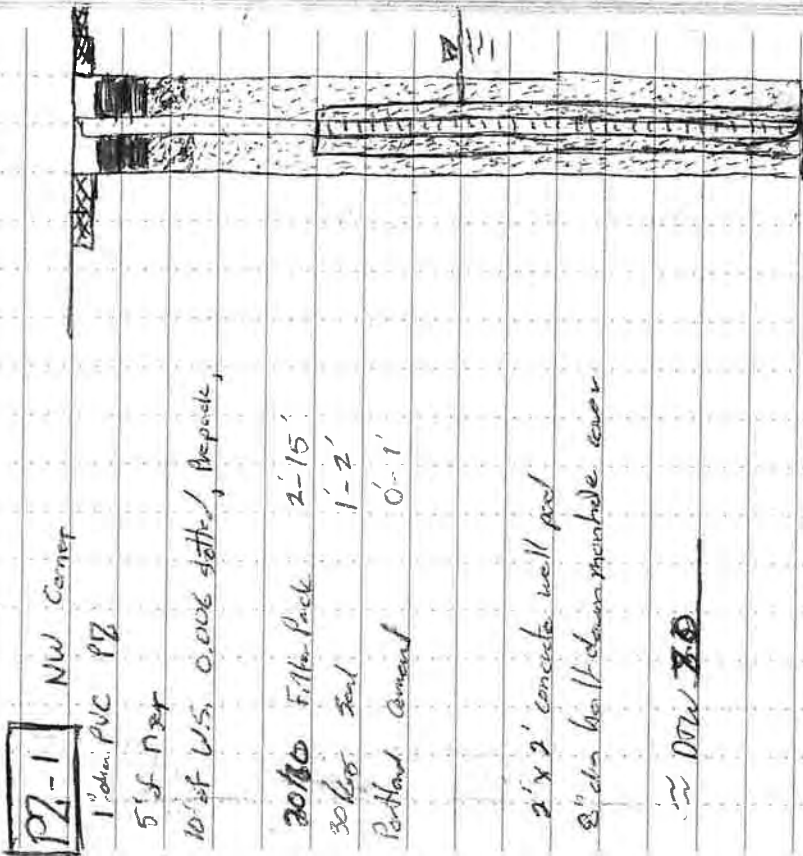
□ - DG5

Scale: 1 square =

Kempston

Rate in 100 ft

08/08/23



Well Development

Started 10/20

Completed 10/20

Collar Removal 5 gallons

clearing white/gray initially

cleared up

Scale: 1 square =

Kempston

Rate in 100 ft

08/08/23

PZ-2

NE Corner

1" dia PVC PZ

5' of 1" dia riser

10' of 1" dia perforated W/S (concrete slotted)

20/40 Filt. Pad 2'-15"

30 lbs F.S. Seal 1'-2"

Portland Cement 0'-1"

2' x 2' concrete well pad

8" dia Bell down manhole

~ DTW 8.3 b/w

Well Development

Started 1130

8/9/23

Completed 1150

Collars Removed 5



08/08/23

PZ-3

South

1" dia PVC PZ

5' of 1" dia riser

10' of 1" dia perforated W/S (concrete slotted)

20/40 Filt. Pad 2'-15"

30 lbs F.S. Seal 1'-2"

Portland Cement 0'-1"

2' x 2' concrete well pad

8" dia Bell down manhole

~ DTW 7.10

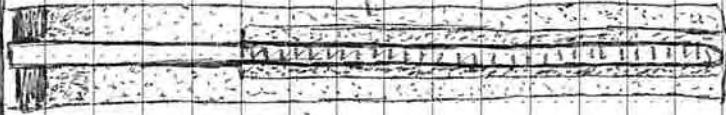
Well Development

Started 1310

8/9/23

Completed 1330

Collars Removed 5



08/08/23

(1630) Aphim Pickup will not start

Had to jump start truck. - Dallas
are clearing up around the site.

(1645) Car is off site - Aphim truck has to
replace battery

(1700) End of day in the field

Scale: 1 square =

Tanya A. Brown

Note in the field

Crystal Cleaners 631631384 08/09/23

Crew: K. Howard > Aphim
J. Bell

Mickey R. Iker > GPT
Tanya Reid

Task: 8 Direct GW sampling using DPTs

Finish PZ construction and well development

Weather: Clear to partly cloudy, 80-90°F, Very
humid, 0-5 mph wind out of West

Equipment: Aphim Pickup ¹⁰⁰⁰⁰ from mine; onsite is within
to previously site equipment.

(0730) Dallas on-site, H's bridge, site
walk through - discussed traffic patterns on site due
to sampling activities

- we will survey DC & PZs

- collect DTP from PZs

- set up on DGS locations to collect GW
samples from 12', 24', and 38' (as-released)

- complete well pad construction

(0830) Start DGS - sampling activities

(0845) ~~0920~~ Have contacted Greg Roberts on progress

(0920) Surveying is completed

on 13 DTP

Note Survey was discussed between depths at
each location

Scale: 1 square =

Tanya A. Brown

Note in the field

Survey

Location	Flow	⊕ Rod	TH	⊙ Rod	Elev
DOT Bench	* 100.00	4.68	104.68		
PZ-1			104.68	57.27	99.41
PZ-3			104.68	5.86	98.82
MCV-182434			104.68	5.92	99.16
BREAK					

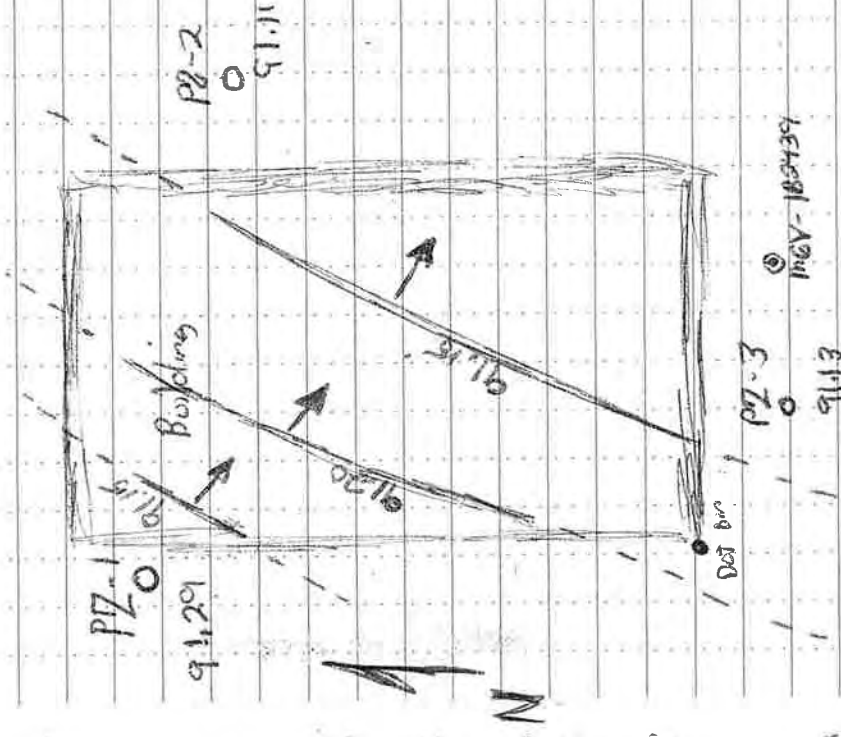
MCV-182434	99.16	5.31	104.47
PZ-2			104.47
			51.04
			99.43

* Assumption of DOT BM 100.00

Depth to Water	Tec	DTW	ELEV
PZ-1	99.41	8.12	91.29
PZ-2	99.43	8.32	91.11
PZ-3	98.82	7.69	91.13

- John Bell is working on DGS-1 samples
- Drillers are decommissioning discrete samples between sample intervals 13 sets of sample per location

Thompson & Howard



Thompson & Howard

T2 Crystal Cleaners

08/09/23

Discrete Gravelometer Sampling (DGS)

DGS-1.12	@	0855	
DGS-1.24	@	0930	
DGS-1.38	@	1000	
DGS-2.12	@	1045	
DGS-2.24	@	1110	
DGS-2.38	@	1140	
DGS-3.12	@	1300	
DGS-3.24	@	1320	
DGS-3.38	@	1355	
DGS-4.12	@	1500	
DGS-4.24	@	1520	
DGS-4.38	@	1540	
DGS-5.12	@	0840	08/10/23
DGS-5.24	@	0805	08/10/23
DGS-5.38	@	0825	08/10/23
DGS-6.12	@	0800	08/10/23
DGS-6.24	@	0910	08/10/23
DGS-6.38	@	0930	08/10/23
DGS-7.12	@	1000	8/10/23
DGS-7.24	@	1020	8/10/23
DGS-7.38	@	1045	8/10/23
DGS-8.12	@	1120	8/10/23
DGS-8.24	@	1135	8/10/23
DGS-8.38	@	1200	8/10/23
DGS-9.12	@	1205	8/10/23
DGS-9.24	@	1205	8/10/23
DGS-9.38	@	1205	8/10/23

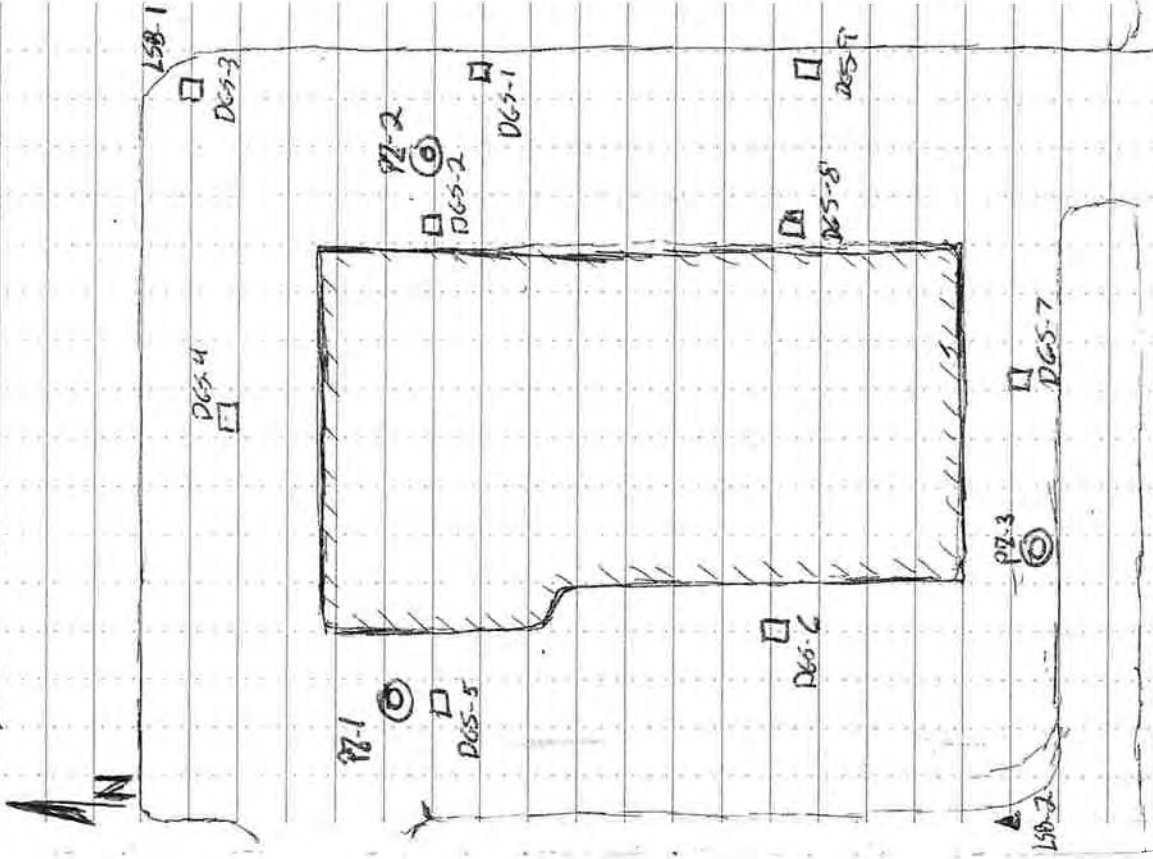
Scale: 1 square =

Temp. A. Howard

Crystal Cleaners

08/09/23

73



Scale: 1 square =

Temp. A. Howard

Rate in the Run

- 1 PZ-01 @ 0945 (08/10/23)
- 1 PZ-02 @ 0945 (08/10/23)
- 1 PZ-03 @ 1235 (08/10/23)
- 1 MW-01 @ 1600 (08/10/23)

Note: all perisperm work was done

- Drams onsite
- (2) soil (labelled)
- (1) water (labelled)

Scale: 1 square =

Thayer & Howard

Crew: K. Howard > Aphids

J. Bell

M. R. Her > GPI

T. Reich

TASK: PZ and Discrete CW samplings

Site Cleanup

Weather: Partly Cloudy to cloudy, 78-89°F humid

5-12 mph winds out of SW

Equipment: Same as previous day

(0700) Crew is onsite - H/S to go to monitoring site walk through. Collected CW sampling tubes

- crew will set up on DES-5

- Aphid crew will set up on PZ-02 1st

- PZ will have FDEP CW logs

- MW-01 will have FDEP CW logs

(0740) Start Discrete CW sampling

John Bell handling Discrete samplings

K. Howard samplings PZ and MW-1

(0750) Lunch

(0800) securing site dollars over potting locations

(0820) dollars on site

Scale: 1 square =

Thayer & Howard

Rate in the Rain

08/10/23

Discrete GW samplings

DG5 - 5.12 @ 0740

DG5 - 5.24 @ 0805

DG5 - 5.38 @ 0825

DG5 - 6.12 @ 0850

DG5 - 6.24 @ 0910

DG5 - 6.38 @ 0930

DG5 - 7.12 @ 1000

DG5 - 7.24 @ 1020

DG5 - 7.38 @ 1045

DG5 - 8.12 @ 1120

DG5 - 8.24 @ 1135

DG5 - 8.38 @ 1200

DG5 - 9.12 @ 1205

DG5 - 9.24 @ 1235

DG5 - 9.38 @ 1325

All locations were grouted back to surface upon completion

PZ-D1 @ 0945

PZ-D2 @ 0815

PZ-D3 @ 1235

mi-1 @ 1020

Scale: 1 square =



08/10/23

(1600) Cleaned up around site

(1630) Heading back to Orlando with dropped sample at Lab on 8/11/23

(1945) End of day in the field

Scale: 1 square =



Site in the field

Crystal Cleaners

10/23/23

Crew: Kenyon Howard - Aphini

Jeff Zolger 3 GPT

Kevin Rann

Tests: Installation of (2) shallow MW and (1) deep MW. Shallow to 15' b/s, Deep to 30' b/s.

Weather: down to partly cloudy, 60-80°F, low humidity, light wind and ADLNE 0-10 mph.

Equipment: Aphini Releap #104275, survey equipment, hand augers, cell phones, GPS, 7820 DT and support bricks and brailer, centrifugal pump.

(0630) loading truck at client

(0700) left office for job site.

(0815) onsite - met up with Jeff, M.S. teller, site walk through marked out locations, notified management of Dry Cleaners of activation

(1035) setting up on MW 3

- we will hand clear down to 5' b/s using hand augers.

- we will use 4" dia rods to DPT to target depths.

(1230) lunch

(1300) returned from lunch

Finishing well pit construction

CRYSTAL CLEANERS

10/23/23

MW-3 East side of property in asphalt

1" dia PVC well

10' of concrete drilled W.S. pipe into

5' of PVC liner

20/30 Rite-pipe (3'-15')

30/60 F500000 (2'-3')

ghost (0.5-2')

2' x 2' concrete well pad

8" dia pit down module cover

DNW to 7.86 g b/s

well development

started 1130

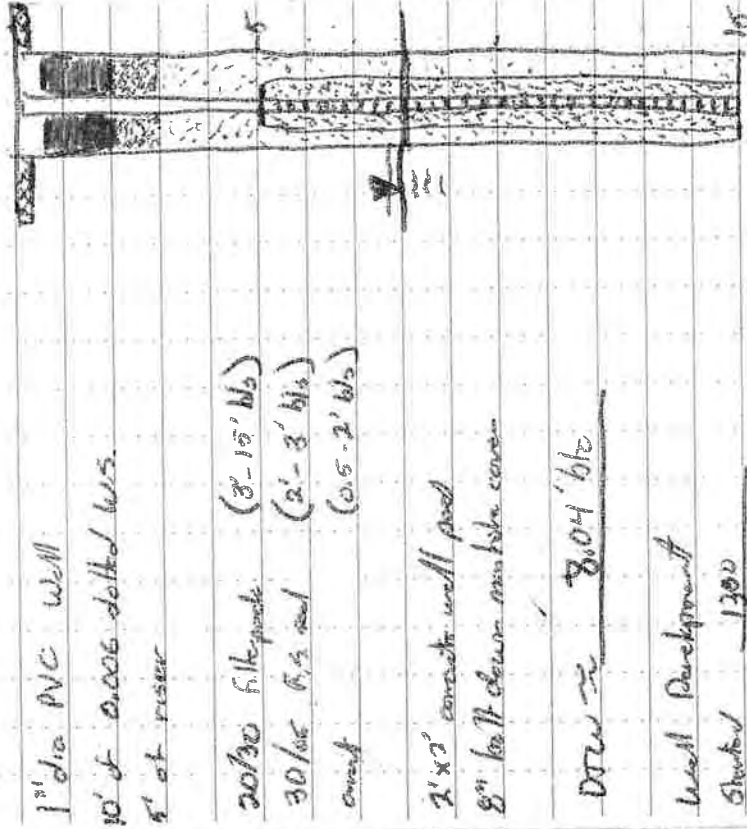
completed 1200

Collars removed 4.0

Slightly cloudy upon completion

10/23/23

[DW-2] outside of building on the parking lot



DTW ≈ 8.04' bbs

Well Development

Started 1300

Completed 1200

Gallons removed 40

Slightly cloudy upon completion

Scale: 1 square =

Karyn B. Howard

Rite in the Rain

10/23/23

[DW-1] adjacent to MW-2



DTW ≈ 2.13' bbs

Well Development

Started 1330

Completed 1350

Gallons removed 40

Slightly cloudy upon completion

Scale: 1 square =

Karyn B. Howard

Rite in the Rain

10/23/23

TOC SURVEY

Location	Elev	⊕ Rad	⊖ Rad	Elev
TBm#2	13.81	5.33	19.14	
mw-3			19.14	13.46
mw-2			19.14	13.58
Dw-1			19.14	13.48
PZ-2			19.14	13.36
mw-1			19.14	13.75

TOC of PZ sand mws

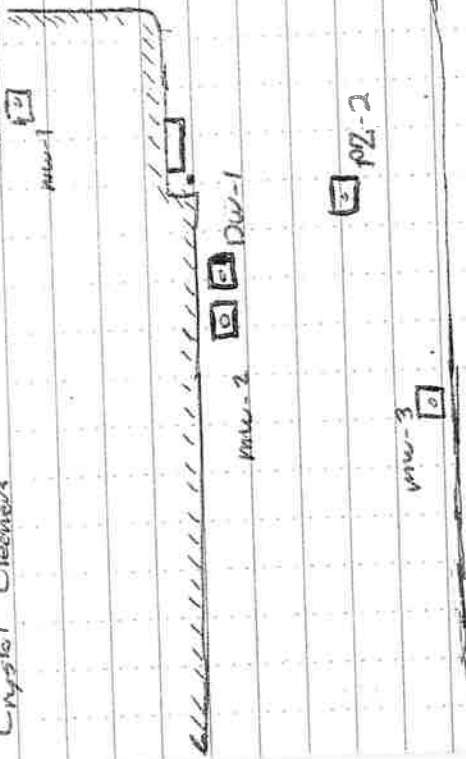
Location	TOC
mw-1	13.75
mw-2	13.58
mw-3	13.46
Dw-1	13.48
PZ-1	12.34
PZ-2	12.36
PZ-3	11.75

Area was secured

(1500) off site hauling back to Orlando

(1800) back at office - off loading equipment

10/23/23



Drops onsite (located on SE corner of Property)

(2) water
(2) soil

11-1-23

Coastal Clearing

2316 S Dixie Hwy Palm Beach, FL

631031384

Arrival truck 105400

Weathered: Partly cloudy Temp 80

scope of work: GW sampling (6 wells)

0730 Arrived on site

Open all wells, allowed 20 minutes to stabilize.

collected DTGW

PZ01 8.05

PZ02 8.18

PZ03 7.56

MW-2 8.37

MW-3 8.20

DW-1 8.30

0804 Initiated purging PZ-01

0822 sampled PZ-01 (8260 full)

0841 Initiated purging PZ-03

0858 sampled PZ-03 (8260 full)

0910 Initiated purging MW-3

0930 sampled MW-3 (8260 full)

0942 Initiated purging PZ-02

1000 sampled PZ-02 (8260 full)

1014 Initiated purging DW-1

1035 sampled DW-1 (8260 full)

1042 Initiated purging MW-2

1100 sampled MW-2 (8260 full)

1140 collected DTGW samples (TZLP 8260

full list TZLP + RCRA metals)

1150 collected DTGW (8260 full list,

4 RCRA metals.

Note Placed all purging water into drums on site

Placed Non-HAZ labels on all drums on site.

CCU YSE met.

Delivered samples to AEC (Lab)

[Signature]

Crystal Chambers

12-14-23

Truck # 302 mileage: 129501

depart: 710 arrive: 944

Crew: K. McDonald, R. Lindsay

Weather: Windy 72°F, 40% rain, 24 mph SW

Conducted H&S meeting, spoke with Timika (manager), began surveying all wells located MAG 4, 7, & 8 and removed cement cover. Began sampling DW-1.

Performed MAGs sampling on MAG-4, MAG-8, & MAG-7.

Completed all sampling; returned MAG points to below grade & sealed with cement cover. Cleaned

site & depart: 1504

arrive: 1856 mileage: 129860

Scale: 1 square =

Rate in the Rain

7/2/2024

Crystal Cleaners

12-14-23

STA	B.S.	I.H.	F.S.	Elev.
TBM 2	4.65	18.46		13.81
MW-3			5.17	13.29
MW-2			4.94	13.52
PW-1			5.03	13.43
P2-2			5.15	13.31
TBM 1	4.53	18.21		13.68
P2-1			4.92	13.29
P2-3			5.44	12.77
TP-1			5.14	13.07

Scale: 1 square =

Rate in the Rain

Appendix F

MAGS Field Test Calculations

Date:

Facility ID

Facility Name:

Date:

Facility ID

Facility Name:

8/1/2023

ERIC_5171

Crystal Cleaners

Z

8 ft

Thickness of vadose zone

r

15 ft

Prescribed extraction radius

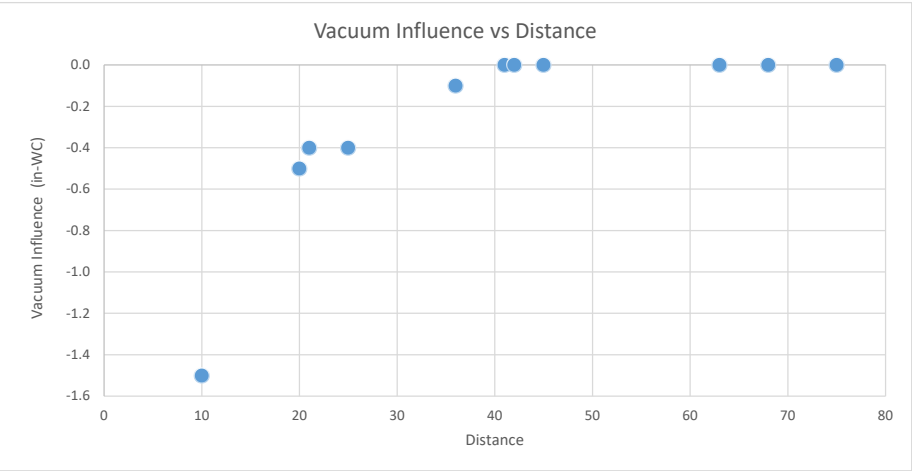
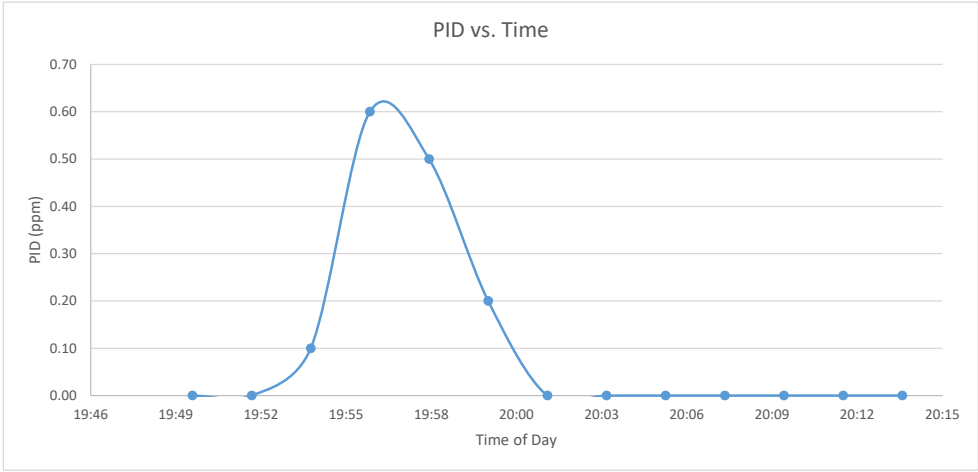
e

0.20

Assumed effective porosity

Sample ID	Date	Time	Measured Flow Rate	Gauge Vacuum	WH Vacuum	Temperature	Standard Flow	Extracted Volume	Extraction Radius	PID	Notes
START	8/1/2023	19:50	(cfm)	(in-WC)	(in-WC)	(°F)	(scfm)	(scf)	(ft)	(ppm)	
			60	28	20	80	9.5	0.0	0.0	0	
MAGS-1	8/1/2023	19:52	60	28	20	80	54.8	19.0	1.9	0.0	
MAGS-1	8/1/2023	19:54	60	28	20	85	54.3	128.7	5.1	0.1	
MAGS-1	8/1/2023	19:56	60	28	20	85	54.3	237.3	6.9	0.6	
MAGS-1	8/1/2023	19:58	60	28	20	85	54.3	346.0	8.3	0.5	
MAGS-1	8/1/2023	20:00	60	28	20	85	54.3	454.7	9.5	0.2	
MAGS-1	8/1/2023	20:02	60	28	20	85	54.3	563.3	10.6	0.0	
MAGS-1	8/1/2023	20:04	60	28	20	85	54.3	672.0	11.6	0.0	
MAGS-1	8/1/2023	20:06	60	28	20	85	54.3	780.6	12.5	0.0	
MAGS-1	8/1/2023	20:08	60	28	20	85	54.3	889.3	13.3	0.0	
MAGS-1	8/1/2023	20:10	60	28	20	85	54.3	998.0	14.1	0.0	
MAGS-1	8/1/2023	20:12	60	28	20	85	54.3	1106.6	14.8	0.0	air sample
MAGS-1	8/1/2023	20:14	60	28	20	85	54.3	1215.3	15.5	0.0	

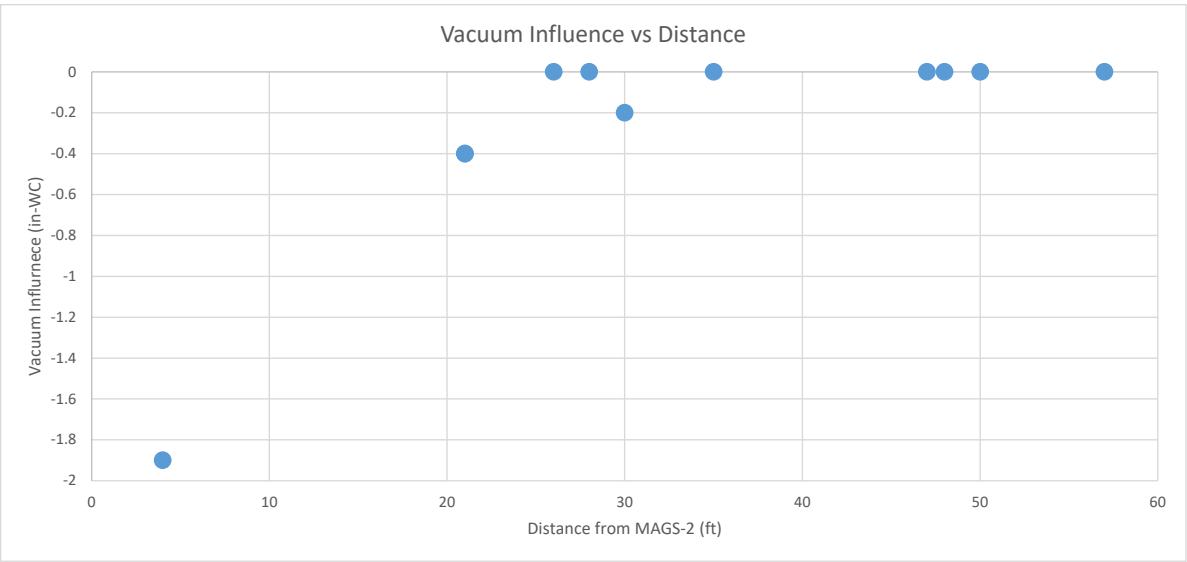
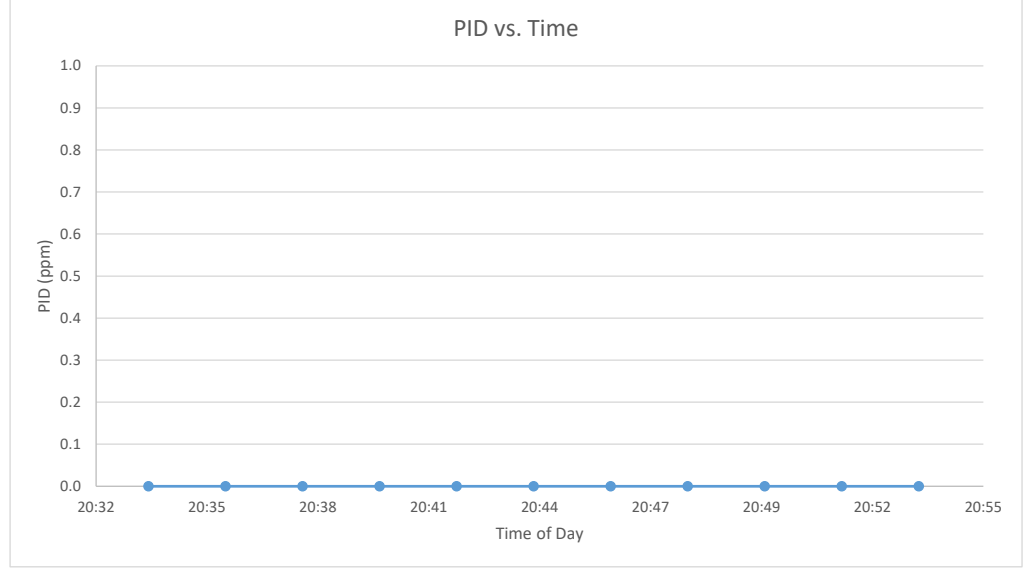
Vacuum Influence (in-WC)												
Radial Distance (ft)	MAGS-1	MAG-2	MAG-3	MAG-4	MAG-5	MAG-6	MAG-7	MAG-8	MAG-9	MAG-10	VMP-1	VMP-2
	0	21	41	42	68	75	63	45	25	36	10	20
Time												
19:52												
20:20		-0.5	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	-0.1	-1.8	-0.6
20:12		-0.4	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-0.1	-1.5	-0.5



Date: 8/1/2023
Facility ID ERIC_5171
Facility Name: Crystal Cleaners
Z 8 ft Thickness of vadose zone
r 15 ft Prescribed extraction radius
e 0.20 Assumed effective porosity

Sample ID	Date	Time	Measured Flow Rate	Gauge Vacuum	WH Vacuum	Temperature	Standard Flow	Extracted Volume	Extraction Radius	PID	Notes
			(cfm)	(in-WC)	(in-WC)	(°F)	(scfm)	(scf)	(ft)	(ppm)	
START	8/1/2023	20:32	61	27	16	80	55.9	0.0	0.0	0.0	
MAGS-2	8/1/2023	20:34	61	27	16	80	55.9	111.8	4.7	0.0	
MAGS-2	8/1/2023	20:36	61	27	16	80	55.9	223.6	6.7	0.0	
MAGS-2	8/1/2023	20:38	61	27	16	80	55.9	335.4	8.2	0.0	
MAGS-2	8/1/2023	20:40	61	27	16	80	55.9	447.2	9.4	0.0	
MAGS-2	8/1/2023	20:42	61	27	16	80	55.9	559.0	10.5	0.0	
MAGS-2	8/1/2023	20:44	61	27	16	80	55.9	670.7	11.6	0.0	
MAGS-2	8/1/2023	20:46	61	27	16	80	55.9	782.5	12.5	0.0	
MAGS-2	8/1/2023	20:48	61	27	16	80	55.9	894.3	13.3	0.0	
MAGS-2	8/1/2023	20:50	61	27	16	80	55.9	1006.1	14.1	0.0	
MAGS-2	8/1/2023	20:52	61	27	16	80	55.9	1117.9	14.9	0.0	air sample
MAGS-2	8/1/2023	20:54	61	27	16	80	55.9	1229.7	15.6	0.0	

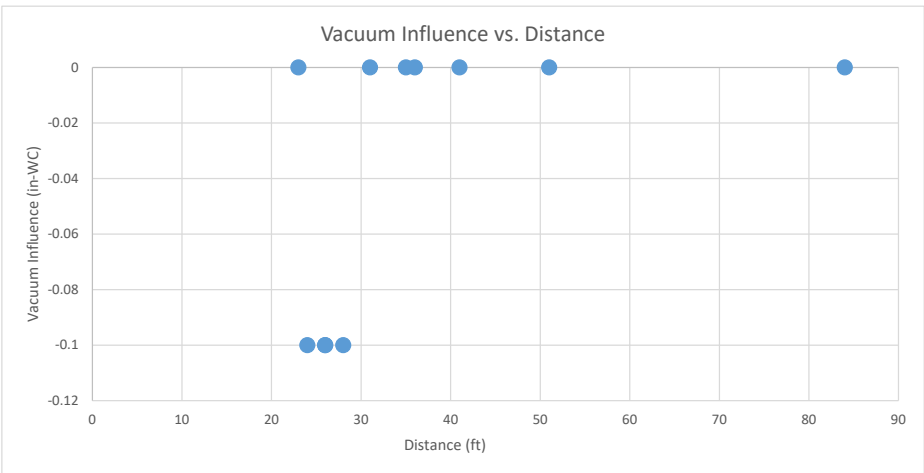
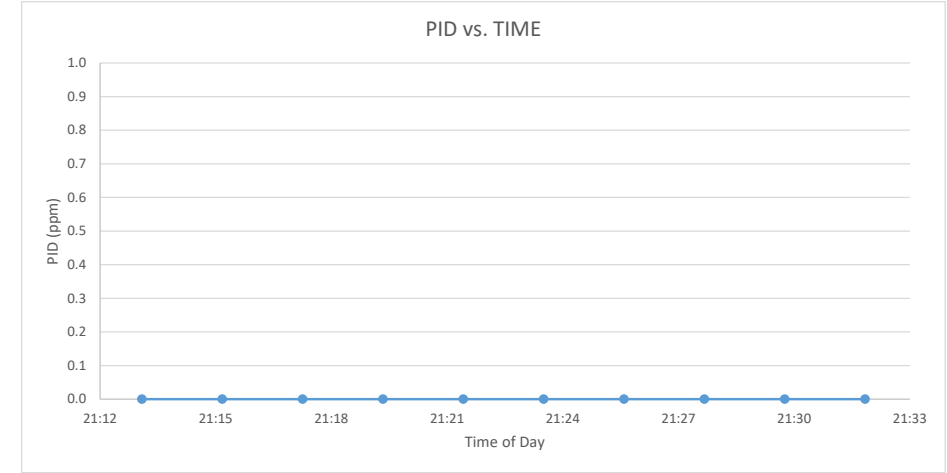
Vacuum Influence (in-WC)												
Radial Distance (ft)	MAGS-2 0	MAG-1 21	MAG-3 26	MAG-4 28	MAG-5 47	MAG-6 50	MAG-7 48	MAG-8 35	MAG-9 21	MAG-10 57	VMP-1 30	VMP-2 4
Time												
20:32		-0.5	-0.1	-0.1	0	0	0	-0.1	-0.5	0	-0.3	-2
20:45		-0.4	0	0	0	0	0	0	-0.4	0	-0.2	-1.9
20:52		-0.4	0	0	0	0	0	0	-0.4	0	-0.2	-1.9



Date: 8/1/2023
Facility ID ERIC_5171
Facility Name: Spot Busters Cleaners
Z 8 ft Thickness of vadose zone
r 15 ft Prescribed extraction radius
e 0.20 Assumed effective porosity

Sample ID	Date	Time	Measured Flow Rate	Gauge Vacuum	WH vacuum	Temperature	Standard Flow	Extracted Volume	Extraction Radius	PID	Notes
			(cfm)	(in-WC)		(°F)	(scfm)	(scf)	(ft)	(ppm)	
START	8/1/2023	21:12	62	28	19	80		0.0		0.0	
MAGS-3	8/1/2023	21:14	62	28	19	80	56.7	113.3	4.7	0.0	
MAGS-3	8/1/2023	21:16	62	28	19	80	56.7	226.6	6.7	0.0	
MAGS-3	8/1/2023	21:18	62	28	19	80	56.7	340.0	8.2	0.0	
MAGS-3	8/1/2023	21:20	62	28	19	80	56.7	453.3	9.5	0.0	
MAGS-3	8/1/2023	21:22	62	28	19	80	56.7	566.6	10.6	0.0	
MAGS-3	8/1/2023	21:24	62	28	19	80	56.7	679.9	11.6	0.0	
MAGS-3	8/1/2023	21:26	62	28	19	80	56.7	793.3	12.6	0.0	
MAGS-3	8/1/2023	21:28	62	28	19	80	56.7	906.6	13.4	0.0	
MAGS-3	8/1/2023	21:30	62	28	19	80	56.7	1019.9	14.2	0.0	
MAGS-3	8/1/2023	21:32	62	28	19	80	56.7	1133.2	15.0	0.0	air sample

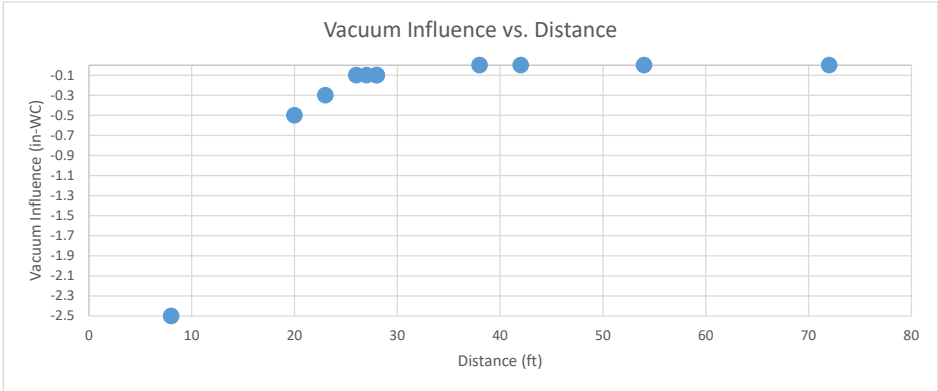
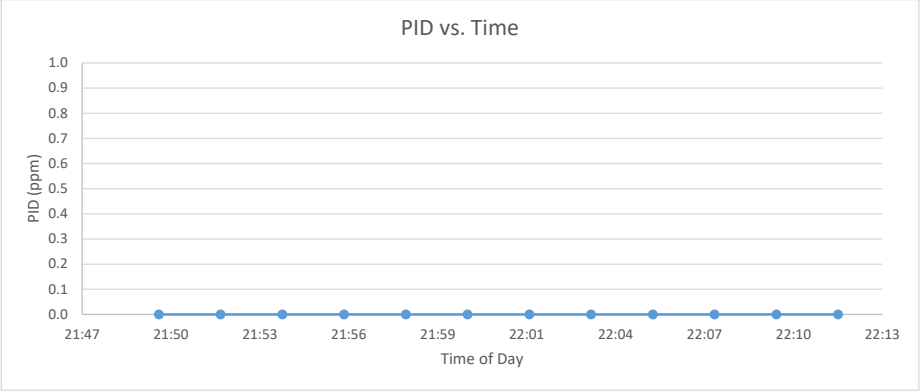
Vacuum Influence (in-WC)												
Radial Distance (ft)	MAGS-3 0	MAG-1 41	MAG-2 26	MAG-4 26	MAG-5 24	MAG-6 23	MAG-7 36	MAG-8 31	MAG-9 35	MAG-10 84	VMP-1 51	VMP-2 28
Time												
21:14		0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
21:24		0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
21:32		0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1



Date: 8/1/2023
Facility ID ERIC_5171
Facility Name: Crystal Cleaners
Z 8 ft Thickness of vadose zone
r 15 ft Prescribed extraction radius
e 0.20 Assumed effective porosity

Sample ID	Date	Time	Measured Flow Rate	Gauge Vacuum	WH Vacuum	Temperature	Standard Flow	Extracted Volume	Extraction Radius	PID	Notes
		21:48	(cfm)	(in-WC)	(in-WC)	(°F)	(scfm)	(scf)	(ft)	(ppm)	
START	8/1/2023	21:50	60	29	19	80	54.7	0.0	0.0	0.0	
MAGS-4	8/1/2023	21:52	60	29	19	80	54.7	109.4	4.7	0.0	
MAGS-4	8/1/2023	21:54	60	29	19	80	54.7	218.8	6.6	0.0	
MAGS-4	8/1/2023	21:56	60	29	19	80	54.7	328.1	8.1	0.0	
MAGS-4	8/1/2023	21:58	60	29	19	80	54.7	437.5	9.3	0.0	
MAGS-4	8/1/2023	22:00	60	29	19	80	54.7	546.9	10.4	0.0	
MAGS-4	8/1/2023	22:02	60	29	19	80	54.7	656.3	11.4	0.0	
MAGS-4	8/1/2023	22:04	60	29	19	80	54.7	765.7	12.3	0.0	
MAGS-4	8/1/2023	22:06	60	29	19	80	54.7	875.0	13.2	0.0	
MAGS-4	8/1/2023	22:08	60	29	19	80	54.7	984.4	14.0	0.0	
MAGS-4	8/1/2023	22:10	60	29	19	80	54.7	1093.8	14.8	0.0	
MAGS-4	8/1/2023	22:12	60	29	19	80	54.7	1203.2	15.5	0.0	air sample

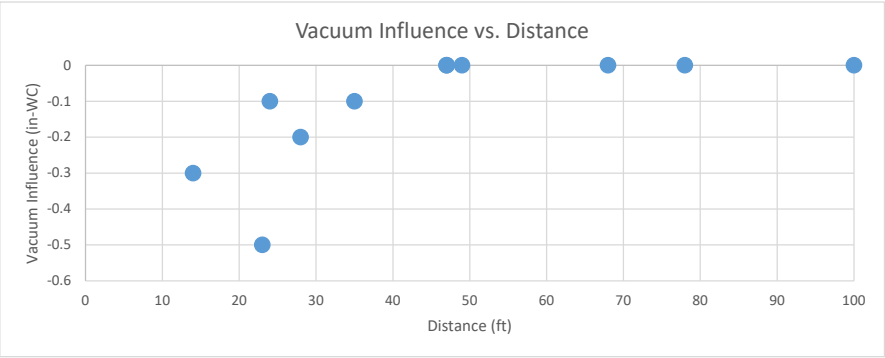
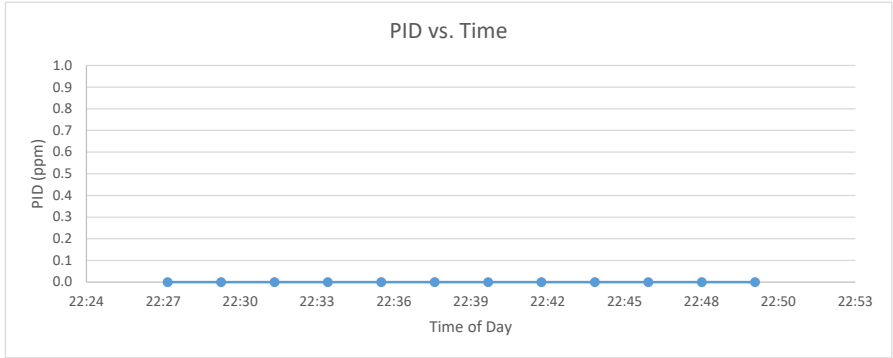
Vacuum Influence (in-WC)												
Radial Distance (ft)	MAGS-4 0	MAG-1 42	MAG-2 28	MAG-3 26	MAG-5 28	MAG-6 38	MAG-7 20	MAG-8 8	MAG-9 23	MAG10 72	VMP-1 54	VMP-2 27
Time												
21:50		-0.00	--0.10	--0.10	--0.20	-0.00	--0.50	--2.60	--0.30	-0.00	-0.00	--0.10
22:00		-0.00	--0.10	--0.10	--0.10	-0.00	--0.50	--2.50	--0.30	-0.00	-0.00	--0.10
22:12		-0.00	--0.10	--0.10	--0.10	-0.00	--0.50	--2.50	--0.30	-0.00	-0.00	--0.10



Date: 8/1/2023
Facility ID ERIC_5171
Facility Name: Spot Busters Cleaners
Z 8 ft Thickness of vadose zone
r 15 ft Prescribed extraction radius
e 0.20 Assumed effective porosity

Sample ID	Date	Time	Measured Flow Rate	Gauge Vacuum	WH Vacuum	Temperature	Standard Flow	Extracted Volume	Extraction Radius	PID	Notes
			(cfm)	(in-WC)	(in-WC)	(°F)	(scfm)	(scf)	(ft)	(ppm)	
START	8/1/2023	22:28	60	28	20	80	54.8	0.0	0.0	0.0	
MAGS-5	8/1/2023	22:30	60	28	20	80	54.8	109.7	4.7	0.0	
MAGS-5	8/1/2023	22:32	60	28	20	80	54.8	219.3	6.6	0.0	
MAGS-5	8/1/2023	22:34	60	28	20	80	54.8	329.0	8.1	0.0	
MAGS-5	8/1/2023	22:36	60	28	20	80	54.8	438.7	9.3	0.0	
MAGS-5	8/1/2023	22:38	60	28	20	80	54.8	548.3	10.4	0.0	
MAGS-5	8/1/2023	22:40	60	28	20	80	54.8	658.0	11.4	0.0	
MAGS-5	8/1/2023	22:42	60	28	20	80	54.8	767.7	12.4	0.0	
MAGS-5	8/1/2023	22:44	60	28	20	80	54.8	877.4	13.2	0.0	
MAGS-5	8/1/2023	22:46	60	28	20	80	54.8	987.0	14.0	0.0	
MAGS-5	8/1/2023	22:48	60	28	20	80	54.8	1096.7	14.8	0.0	
MAGS-5	8/1/2023	22:50	60	28	20	80	54.8	1206.4	15.5	0.0	air sample

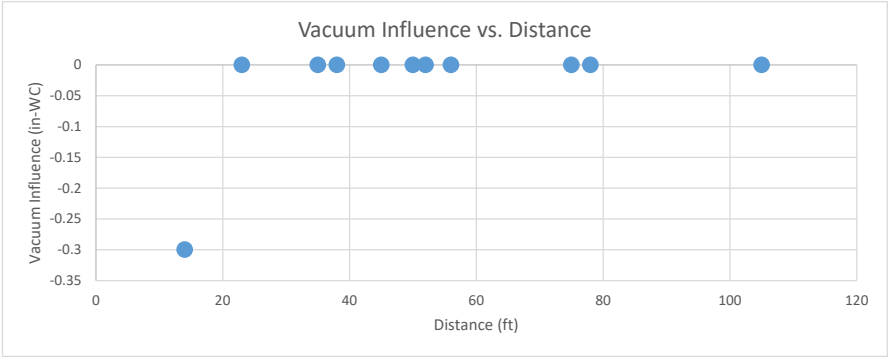
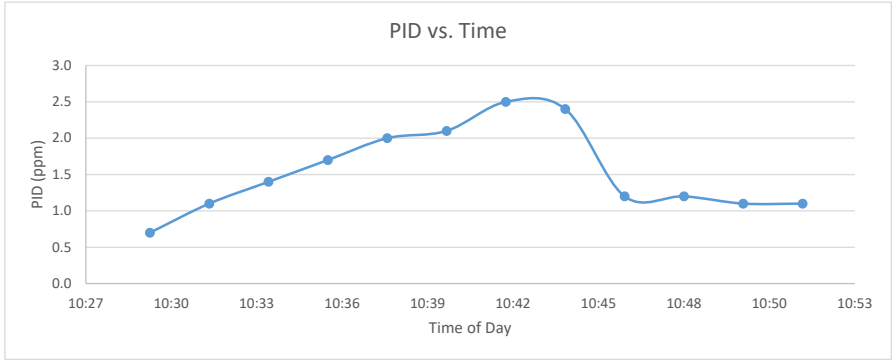
Vacuum Influence (in-WC)												
Radial Distance (ft)	MAGS-5 0	MAG-1 68	MAG-2 47	MAG-3 24	MAG-4 28	MAG-6 14	MAG-7 23	MAG-8 35	MAG-9 49	MAG-10 100	VMP-1 78	VMP-2 47
Time												
22:30		0	0	-0.1	-0.2	-0.3	-0.4	-0.1	0	0	0	0
22:40		0	0	-0.1	-0.2	-0.3	-0.5	-0.1	0	0	0	0
22:50		0	0	-0.1	-0.2	-0.3	-0.5	-0.1	0	0	0	0



Date: 8/2/2023
Facility ID ERIC_5171
Facility Name: Crystal Cleaners
Z 8 ft Thickness of vadose zone
r 15 ft Prescribed extraction radius
e 0.20 Assumed effective porosity

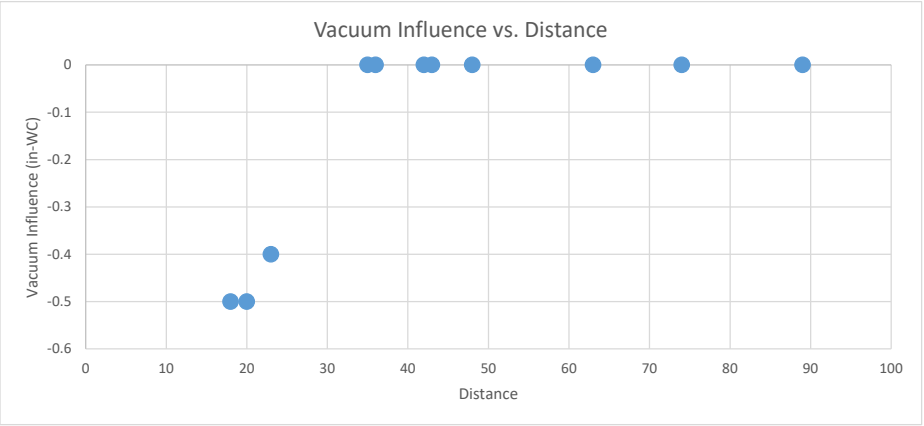
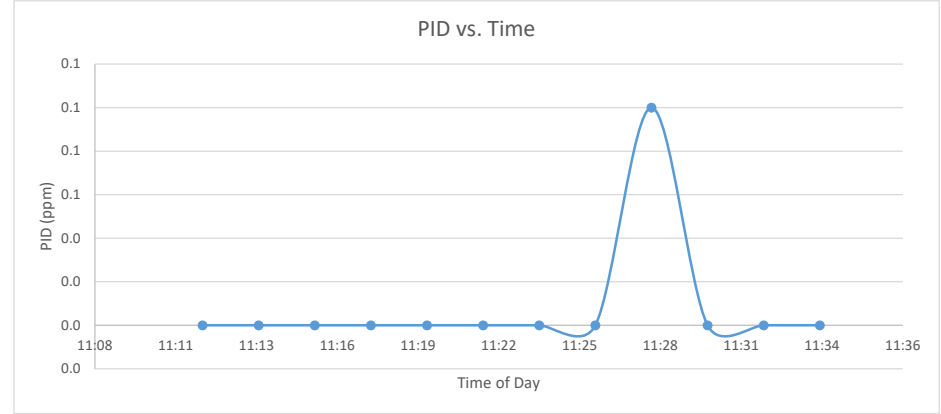
Sample ID	Date	Time	Measured Flow Rate	Gauge Vacuum	WH Vacuum	Temperature	Standard Flow	Extracted Volume	Extraction Radius	PID	Notes
			(cfm)	(in-WC)	(in-WC)	(°F)	(scfm)	(scf)	(ft)	(ppm)	
START	8/2/2023	10:30	60	29	20	95	53.2	0.0	0.0	0.7	
MAGS-6	8/2/2023	10:32	60	29	20	95	53.2	106.4	4.6	1.1	
MAGS-6	8/2/2023	10:34	60	29	20	95	53.2	212.8	6.5	1.4	
MAGS-6	8/2/2023	10:36	60	29	20	95	53.2	319.3	8.0	1.7	
MAGS-6	8/2/2023	10:38	60	29	20	95	53.2	425.7	9.2	2.0	
MAGS-6	8/2/2023	10:40	60	29	20	95	53.2	532.1	10.3	2.1	
MAGS-6	8/2/2023	10:42	60	29	20	95	53.2	638.5	11.3	2.5	
MAGS-6	8/2/2023	10:44	60	29	20	95	53.2	745.0	12.2	2.4	
MAGS-6	8/2/2023	10:46	60	29	20	95	53.2	851.4	13.0	1.2	
MAGS-6	8/2/2023	10:48	60	29	20	95	53.2	957.8	13.8	1.2	
MAGS-6	8/2/2023	10:50	60	29	20	95	53.2	1064.2	14.6	1.1	
MAGS-6	8/2/2023	10:52	60	29	20	95	53.2	1170.6	15.3	1.1	air sample

Vacuum Influence (in-WC)												
Radial Distance (ft)	MAGS-6 0	MAG-1 75	MAG-2 50	MAG-3 23	MAG-4 38	MAG-5 14	MAG-7 35	MAG-8 45	MAG-9 56	MAG-10 105	VMP-1 78	VMP-2 52
Time												
10:32		0	0	0	0	-0.3	0	0	0	0	0	0
10:44		0	0	0	0	-0.3	0	0	0	0	0	0
10:52		0	0	0	0	-0.3	0	0	0	0	0	0



Date: 8/2/2023
Facility ID ERIC_5171
Facility Name: Crystal Cleaners
Z 8 ft Thickness of vadose zone
r 15 ft Prescribed extraction radius
e 0.20 Assumed effective porosity

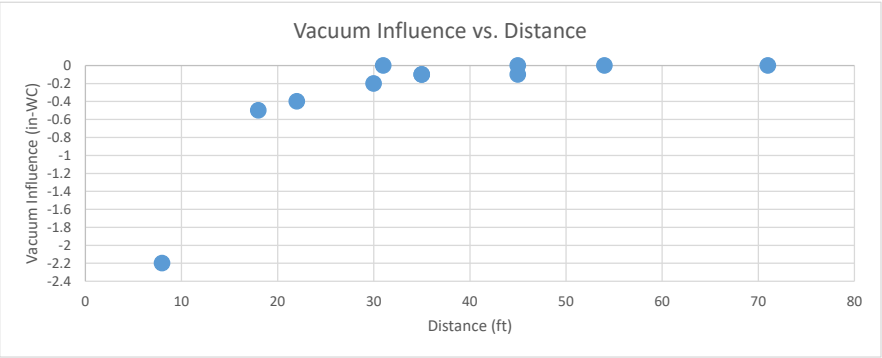
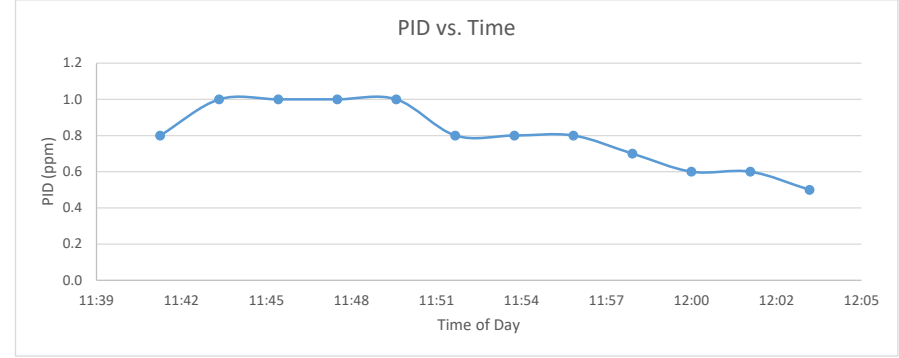
Sample ID	Date	Time	Measured Flow Rate	Gauge Vacuum	WH Vacuum	Temperature	Standard Flow	Extracted Volume	Extraction Radius	PID	Notes
			(cfm)	(in-WC)	(in-WC)	(°F)	(scfm)	(scf)	(ft)	(ppm)	
START	8/1/2023	11:12	60	27	20	105	52.5	0.0	0.0	0.0	
MAGS-7	8/1/2023	11:14	60	27	20	105	52.5	105.1	4.6	0.0	
MAGS-7	8/1/2023	11:16	60	27	20	105	52.5	210.2	6.5	0.0	
MAGS-7	8/1/2023	11:18	60	27	20	105	52.5	315.3	7.9	0.0	
MAGS-7	8/1/2023	11:20	60	27	20	105	52.5	420.4	9.1	0.0	
MAGS-7	8/1/2023	11:22	60	27	20	105	52.5	525.5	10.2	0.0	
MAGS-7	8/1/2023	11:24	60	27	20	105	52.5	630.5	11.2	0.0	
MAGS-7	8/1/2023	11:26	60	27	20	105	52.5	735.6	12.1	0.0	
MAGS-7	8/1/2023	11:28	60	27	20	105	52.5	840.7	12.9	0.1	
MAGS-7	8/1/2023	11:30	60	27	20	105	52.5	945.8	13.7	0.0	
MAGS-7	8/1/2023	11:32	60	27	20	105	52.5	1050.9	14.5	0.0	
MAGS-7	8/1/2023	11:34	60	27	20	105	52.5	1156.0	15.2	0.0	air sample



Vacuum Influence (in-WC)												
Radial Distance (ft)	MAGS-7 0	MAG-1 63	MAG-2 48	MAG-3 36	MAG-4 20	MAG-5 23	MAG-6 35	MAG-8 18	MAG-9 42	MAG-10 89	VMP-1 74	VMP-2 43
Time												
11:14		0	0	0	-0.5	-0.4	0	-0.5	0	0	0	0
11:24		0	0	0	-0.5	-0.4	0	-0.5	0	0	0	0
11:34		0	0	0	-0.5	-0.4	0	-0.5	0	0	0	0

Date: 8/2/2023
Facility ID ERIC_5171
Facility Name: Crystal Cleaners
Z 8 ft Thickness of vadose zone
r 15 ft Prescribed extraction radius
e 0.20 Assumed effective porosity

Sample ID	Date	Time	Measured Flow Rate	Gauge Vacuum	WH Vacuum	Temperature	Standard Flow	Extracted Volume	Extraction Radius	PID	Notes
			(cfm)	(in-WC)	(in-WC)	(°F)	(scfm)	(scf)	(ft)	(ppm)	
START	8/2/2023	11:42	60	29	20	110	51.8	0.0	0.0	0.8	
MAGS-8	8/2/2023	11:44	60	29	20	110	51.8	103.6	4.5	1.0	
MAGS-8	8/2/2023	11:46	60	29	20	110	51.8	207.2	6.4	1.0	
MAGS-8	8/2/2023	11:48	60	29	20	110	51.8	310.9	7.9	1.0	
MAGS-8	8/2/2023	11:50	60	29	20	110	51.8	414.5	9.1	1.0	
MAGS-8	8/2/2023	11:52	60	29	20	110	51.8	518.1	10.2	0.8	
MAGS-8	8/2/2023	11:54	60	29	20	110	51.8	621.7	11.1	0.8	
MAGS-8	8/2/2023	11:56	60	29	20	110	51.8	725.3	12.0	0.8	
MAGS-8	8/2/2023	11:58	60	29	20	110	51.8	829.0	12.8	0.7	
MAGS-8	8/2/2023	12:00	60	29	20	110	51.8	932.6	13.6	0.6	
MAGS-8	8/2/2023	12:02	60	29	20	110	51.8	1036.2	14.4	0.6	
MAGS-8	8/2/2023	12:04	60	29	20	110	51.8	1139.8	15.1	0.5	air sample

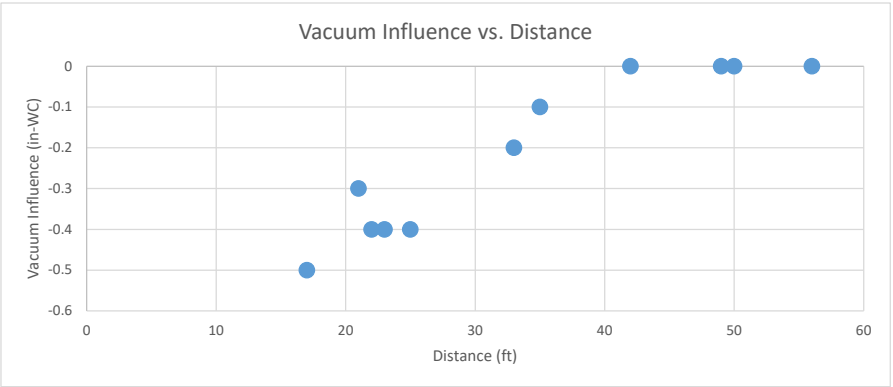
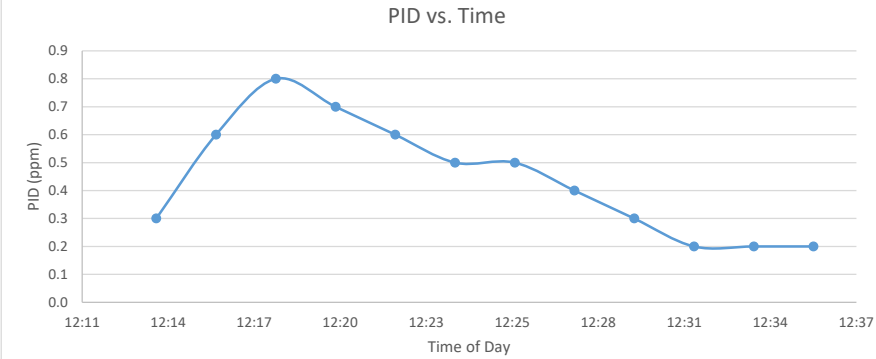


Vacuum Influence (in-WC)												
Radial Distance (ft)	MAGS-8 0	MAG-1 45	MAG-2 35	MAG-3 31	MAG-4 8	MAG-5 35	MAG-6 45	MAG-7 18	MAG-9 22	MAG-10 71	VMP-1 54	VMP-2 30
Time												
11:44		-0.1	-0.1	0	-2.2	-0.1	0	-0.5	-0.4	0	0	-0.2
11:54		-0.1	-0.1	0	-2.2	-0.1	0	-0.5	-0.4	0	0	-0.2
12:04		-0.1	-0.1	0	-2.2	-0.1	0	-0.5	-0.4	0	0	-0.2

Date: 8/2/2023
Facility ID ERIC_5171
Facility Name: Crystal Cleaners
Z 8 ft Thickness of vadose zone
r 15 ft Prescribed extraction radius
e 0.20 Assumed effective porosity

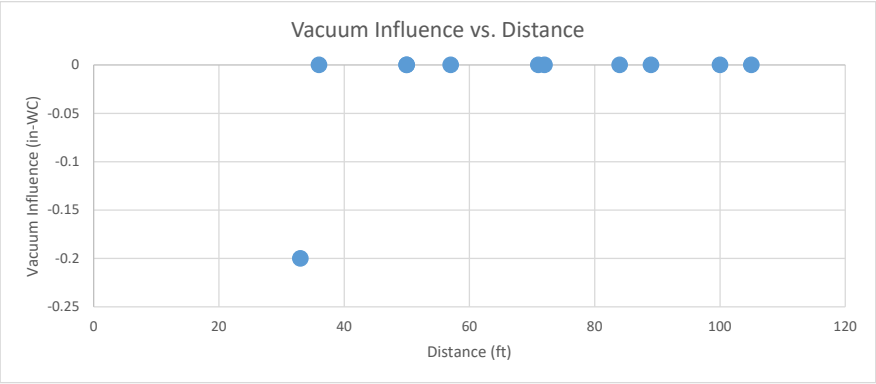
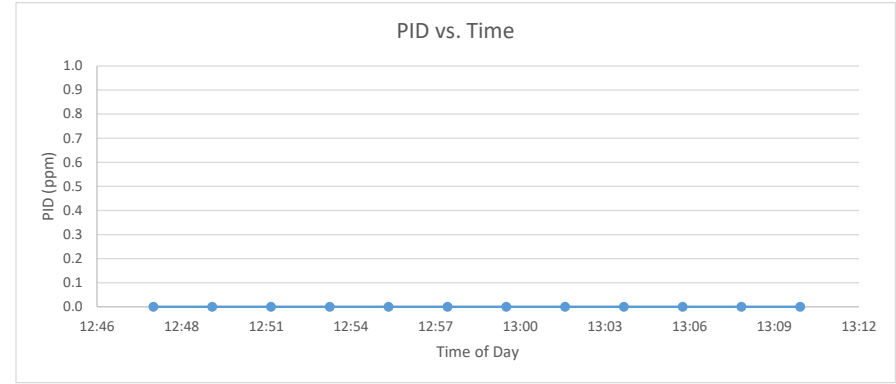
Sample ID	Date	Time	Measured Flow Rate	Gauge Vacuum	WH Vacuum	Temperature	Standard Flow	Extracted Volume	Extraction Radius	PID	Notes
			(cfm)	(in-WC)	(in-WC)	(°F)	(scfm)	(scf)	(ft)	(ppm)	
START	8/2/2023	12:14	60	28	20	110	51.9	0.0	0.0	0.3	
MAGS-9	8/2/2023	12:16	60	28	20	110	51.9	103.9	4.5	0.6	
MAGS-9	8/2/2023	12:18	60	28	20	110	51.9	207.8	6.4	0.8	
MAGS-9	8/2/2023	12:20	60	28	20	110	51.9	311.7	7.9	0.7	
MAGS-9	8/2/2023	12:22	60	28	20	110	51.9	415.6	9.1	0.6	
MAGS-9	8/2/2023	12:24	60	28	20	110	51.9	519.5	10.2	0.5	
MAGS-9	8/2/2023	12:26	60	28	20	110	51.9	623.4	11.1	0.5	
MAGS-9	8/2/2023	12:28	60	28	20	110	51.9	727.3	12.0	0.4	
MAGS-9	8/2/2023	12:30	60	28	20	110	51.9	831.2	12.9	0.3	
MAGS-9	8/2/2023	12:32	60	28	20	110	51.9	935.0	13.6	0.2	
MAGS-9	8/2/2023	12:34	60	28	20	110	51.9	1038.9	14.4	0.2	
MAGS-9	8/2/2023	12:36	60	28	20	110	51.9	1142.8	15.1	0.2	air sample

Vacuum Influence (in-WC)												
Radial Distance (ft)	MAGS-9 0	MAG-1 25	MAG-2 21	MAG-3 35	MAG-4 23	MAG-5 49	MAG-6 56	MAG-7 42	MAG-8 22	MAG-10 50	VMP-1 33	VMP-2 17
Time												
12:16		-0.4	-0.3	-0.1	-0.4	0	0	0	-0.4	0	-0.2	-0.5
12:26		-0.4	-0.3	-0.1	-0.4	0	0	0	-0.4	0	-0.2	-0.5
12:36		-0.4	-0.3	-0.1	-0.4	0	0	0	-0.4	0	-0.2	-0.5



Date: 8/2/2023
Facility ID ERIC_5171
Facility Name: Crystal Cleaners
Z 8 ft Thickness of vadose zone
r 15 ft Prescribed extraction radius
e 0.20 Assumed effective porosity

Sample ID	Date	Time	Measured Flow Rate	Gauge Vacuum	WH Vacuum	Temperature	Standard Flow	Extracted Volume	Extraction Radius	PID	Notes
			(cfm)	(in-WC)	(in-WC)	(°F)	(scfm)	(scf)	(ft)	(ppm)	
START	8/2/2023	12:48	59	28	21	110	51.1	0.0	0.0	0.0	
MAGS-10	8/2/2023	12:50	59	28	21	110	51.1	102.2	4.5	0.0	
MAGS-10	8/2/2023	12:52	59	28	21	110	51.1	204.3	6.4	0.0	
MAGS-10	8/2/2023	12:54	59	28	21	110	51.1	306.5	7.8	0.0	
MAGS-10	8/2/2023	12:56	59	28	21	110	51.1	408.6	9.0	0.0	
MAGS-10	8/2/2023	12:58	59	28	21	110	51.1	510.8	10.1	0.0	
MAGS-10	8/2/2023	13:00	59	28	21	110	51.1	613.0	11.0	0.0	
MAGS-10	8/2/2023	13:02	59	28	21	110	51.1	715.1	11.9	0.0	
MAGS-10	8/2/2023	13:04	59	28	21	110	51.1	817.3	12.8	0.0	
MAGS-10	8/2/2023	13:06	59	28	21	110	51.1	919.5	13.5	0.0	
MAGS-10	8/2/2023	13:08	59	28	21	110	51.1	1021.6	14.3	0.0	
MAGS-10	8/2/2023	13:10	59	28	21	110	51.1	1123.8	15.0	0.0	air sample



Vacuum Influence (in-WC)												
Radial Distance (ft)	MAGS-10 0	MAG-1 36	MAG-2 57	MAG-3 84	MAG-4 72	MAG-5 100	MAG-6 105	MAG-7 89	MAG-8 71	MAG-9 50	VMP-1 33	VMP-2 50
Time												
12:50		0	0	0	0	0	0	0	0	0	-0.2	0
13:00		0	0	0	0	0	0	0	0	0	-0.2	0
13:10		0	0	0	0	0	0	0	0	0	-0.2	0

Date: 8/1/2023
 Facility ID ERIC_5171
 Facility Name Crystal Cleaners

VE Step Test @ MAG-1							
Time	Flow rate	Temp	inlet vac	wellhead vac	VMP-1	VMP-2	MAG-2
hh:mm	(scfm)	F	(in-wc)		10 ft (in-wc)	20 ft (in-wc)	21 ft (in-wc)
18:36	25	80	15	12	-0.6	-0.2	-0.1
18:46	24	85	15	12	-0.6	-0.2	-0.1
18:56	54	85	25	18	-1.4	-0.5	-0.4
19:06	54	85	25	18	-1.5	-0.5	-0.4
19:16	60	85	28	20	-1.6	-0.6	-0.5
19:26	64	85	28	20	-1.60	-0.60	-0.50

MAG-9	MAG-10	MAG-8	
25	36	45	
(in-wc)	(in-wc)	(in-wc)	(in-wc)
-0.1	0		
-0.1	0		
-0.4	-0.1		
-0.5	-0.2		
-0.5	-0.2	-0.1	
-0.50	-0.2	-0.1	

Appendix G

Horizontal and Vertical Gradient Calculations

HYDRAULIC GRADIENT CALCULATIONS

Crystal Cleaners
2316 South Dixie Highway
West Palm Beach, Palm Beach County, Florida
FDEP ID No. ERIC_5171

Note: The horizontal hydraulic gradients were derived from groundwater elevation data collected on August 9 and November 1, 2023, from piezometers PZ-1 and PZ-2

$$\text{Horizontal Hydraulic Gradient (I)} = \frac{\text{GW Elevation}_1 - \text{GW Elevation}_2}{\text{Distance (L)}}$$

PZ-1 & PZ-2 (8/9/23)	I =	$\frac{(5.17 \text{ ft} - 4.99 \text{ ft})}{110 \text{ ft}}$	=	0.0016	ft/ft
PZ-1 & PZ-2 (11/1/23)	I =	$\frac{(5.24 \text{ ft} - 5.13 \text{ ft})}{110 \text{ ft}}$	=	0.0009	ft/ft
	Average		=	0.0012	ft/ft

Note: The vertical hydraulic gradient was derived from groundwater elevation data collected on November 1, 2023, from monitoring well MW-2 and DW-1

$$\text{Vertical Hydraulic Gradient (I)} = \frac{\text{GW Elevation}_1 - \text{GW Elevation}_2}{\text{Depth to Screen Midpoint}_1 - \text{Depth to Screen Midpoint}_2}$$

(Saturated midpoint for water table well)

MW-2 & DW-1	I =	$\frac{(5.15 \text{ ft} - 5.13 \text{ ft})}{10.07 \text{ ft} - 27.5 \text{ ft}}$	=	-0.0011	ft/ft

Appendix H
Laboratory Analytical Reports and
Chain-of-Custody Records



Advanced Environmental Laboratories, Inc
10200 USA Today Way Miramar, FL 33025
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (954) 889-2288
Fax: (954) 889-2281

FINAL

Workorder: Crystal Cleaners (M2304301)

August 09, 2023

Mr. Gregg Roberts
APTIM
725 US Hwy 301 South
Tampa, FL 33619

RE: Workorder: M2304301 Crystal Cleaners

Dear Mr. Gregg Roberts:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday August 1, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sue Bell, Sr Project Manager
SBell@aellab.com

Certificate of Analysis

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NELAP Accredited E82535



FINAL

Workorder: Crystal Cleaners (M2304301)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
M2304301001	MAG-1.05	SO	SM 2540G	07/31/2023 18:50	08/01/2023 15:30	1	Dry
M2304301001	MAG-1.05	SO	SW-846 8260D	07/31/2023 18:50	08/01/2023 15:30	68	Dry
M2304301002	MAG-1.2	SO	SM 2540G	07/31/2023 18:55	08/01/2023 15:30	1	Dry
M2304301002	MAG-1.2	SO	SW-846 8260D	07/31/2023 18:55	08/01/2023 15:30	68	Dry
M2304301003	MAG-1.4	SO	SM 2540G	07/31/2023 19:00	08/01/2023 15:30	1	Dry
M2304301003	MAG-1.4	SO	SW-846 8260D	07/31/2023 19:00	08/01/2023 15:30	68	Dry
M2304301004	MAG-1.6	SO	SM 2540G	07/31/2023 19:05	08/01/2023 15:30	1	Dry
M2304301004	MAG-1.6	SO	SW-846 8260D	07/31/2023 19:05	08/01/2023 15:30	68	Dry
M2304301005	MAG-2.05	SO	SM 2540G	07/31/2023 18:30	08/01/2023 15:30	1	Dry
M2304301005	MAG-2.05	SO	SW-846 8260D	07/31/2023 18:30	08/01/2023 15:30	68	Dry
M2304301006	MAG-2.2	SO	SM 2540G	07/31/2023 18:35	08/01/2023 15:30	1	Dry
M2304301006	MAG-2.2	SO	SW-846 8260D	07/31/2023 18:35	08/01/2023 15:30	68	Dry
M2304301007	MAG-2.4	SO	SM 2540G	07/31/2023 18:40	08/01/2023 15:30	1	Dry
M2304301007	MAG-2.4	SO	SW-846 8260D	07/31/2023 18:40	08/01/2023 15:30	68	Dry
M2304301008	MAG-2.6	SO	SM 2540G	07/31/2023 18:45	08/01/2023 15:30	1	Dry
M2304301008	MAG-2.6	SO	SW-846 8260D	07/31/2023 18:45	08/01/2023 15:30	68	Dry
M2304301009	MAG-3.05	SO	SM 2540G	07/31/2023 14:30	08/01/2023 15:30	1	Dry
M2304301009	MAG-3.05	SO	SW-846 8260D	07/31/2023 14:30	08/01/2023 15:30	68	Dry
M2304301010	MAG-3.2	SO	SM 2540G	07/31/2023 14:35	08/01/2023 15:30	1	Dry
M2304301010	MAG-3.2	SO	SW-846 8260D	07/31/2023 14:35	08/01/2023 15:30	68	Dry
M2304301011	MAG-3.4	SO	SM 2540G	07/31/2023 14:40	08/01/2023 15:30	1	Dry
M2304301011	MAG-3.4	SO	SW-846 8260D	07/31/2023 14:40	08/01/2023 15:30	68	Dry
M2304301012	MAG-3.6	SO	SM 2540G	07/31/2023 14:45	08/01/2023 15:30	1	Dry
M2304301012	MAG-3.6	SO	SW-846 8260D	07/31/2023 14:45	08/01/2023 15:30	68	Dry
M2304301013	MAG-4.05	SO	SM 2540G	07/31/2023 15:10	08/01/2023 15:30	1	Dry
M2304301013	MAG-4.05	SO	SW-846 8260D	07/31/2023 15:10	08/01/2023 15:30	68	Dry
M2304301014	MAG-4.2	SO	SM 2540G	07/31/2023 15:15	08/01/2023 15:30	1	Dry
M2304301014	MAG-4.2	SO	SW-846 8260D	07/31/2023 15:15	08/01/2023 15:30	68	Dry
M2304301015	MAG-4.4	SO	SM 2540G	07/31/2023 15:20	08/01/2023 15:30	1	Dry
M2304301015	MAG-4.4	SO	SW-846 8260D	07/31/2023 15:20	08/01/2023 15:30	68	Dry
M2304301016	MAG-4.6	SO	SM 2540G	07/31/2023 15:25	08/01/2023 15:30	1	Dry
M2304301016	MAG-4.6	SO	SW-846 8260D	07/31/2023 15:25	08/01/2023 15:30	68	Dry
M2304301017	MAG-5.05	SO	SM 2540G	07/31/2023 14:50	08/01/2023 15:30	1	Dry
M2304301017	MAG-5.05	SO	SW-846 8260D	07/31/2023 14:50	08/01/2023 15:30	68	Dry
M2304301018	MAG-5.2	SO	SM 2540G	07/31/2023 14:55	08/01/2023 15:30	1	Dry

Wednesday, August 9, 2023 3:28:06 PM
Dates and times are displayed using (-04:00)
Page 2 of 236

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FINAL

Workorder: Crystal Cleaners (M2304301)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
M2304301018	MAG-5.2	SO	SW-846 8260D	07/31/2023 14:55	08/01/2023 15:30	68	Dry
M2304301019	MAG-5.4	SO	SM 2540G	07/31/2023 15:00	08/01/2023 15:30	1	Dry
M2304301019	MAG-5.4	SO	SW-846 8260D	07/31/2023 15:00	08/01/2023 15:30	68	Dry
M2304301020	MAG-5.6	SO	SM 2540G	07/31/2023 15:05	08/01/2023 15:30	1	Dry
M2304301020	MAG-5.6	SO	SW-846 8260D	07/31/2023 15:05	08/01/2023 15:30	68	Dry
M2304301021	MAG-6.05	SO	SM 2540G	08/01/2023 13:05	08/01/2023 15:30	1	Dry
M2304301021	MAG-6.05	SO	SW-846 8260D	08/01/2023 13:05	08/01/2023 15:30	68	Dry
M2304301022	MAG-6.2	SO	SM 2540G	08/01/2023 13:10	08/01/2023 15:30	1	Dry
M2304301022	MAG-6.2	SO	SW-846 8260D	08/01/2023 13:10	08/01/2023 15:30	68	Dry
M2304301023	MAG-6.4	SO	SM 2540G	08/01/2023 13:15	08/01/2023 15:30	1	Dry
M2304301023	MAG-6.4	SO	SW-846 8260D	08/01/2023 13:15	08/01/2023 15:30	68	Dry
M2304301024	MAG-6.6	SO	SM 2540G	08/01/2023 13:20	08/01/2023 15:30	1	Dry
M2304301024	MAG-6.6	SO	SW-846 8260D	08/01/2023 13:20	08/01/2023 15:30	68	Dry
M2304301025	MAG-7.05	SO	SM 2540G	08/01/2023 12:15	08/01/2023 15:30	1	Dry
M2304301025	MAG-7.05	SO	SW-846 8260D	08/01/2023 12:15	08/01/2023 15:30	68	Dry
M2304301026	MAG-7.2	SO	SM 2540G	08/01/2023 12:20	08/01/2023 15:30	1	Dry
M2304301026	MAG-7.2	SO	SW-846 8260D	08/01/2023 12:20	08/01/2023 15:30	68	Dry
M2304301027	MAG-7.4	SO	SM 2540G	08/01/2023 12:25	08/01/2023 15:30	1	Dry
M2304301027	MAG-7.4	SO	SW-846 8260D	08/01/2023 12:25	08/01/2023 15:30	68	Dry
M2304301028	MAG-7.6	SO	SM 2540G	08/01/2023 12:30	08/01/2023 15:30	1	Dry
M2304301028	MAG-7.6	SO	SW-846 8260D	08/01/2023 12:30	08/01/2023 15:30	68	Dry
M2304301029	MAG-8.05	SO	SM 2540G	08/01/2023 12:45	08/01/2023 15:30	1	Dry
M2304301029	MAG-8.05	SO	SW-846 8260D	08/01/2023 12:45	08/01/2023 15:30	68	Dry
M2304301030	MAG-8.2	SO	SM 2540G	08/01/2023 12:52	08/01/2023 15:30	1	Dry
M2304301030	MAG-8.2	SO	SW-846 8260D	08/01/2023 12:52	08/01/2023 15:30	68	Dry
M2304301031	MAG-8.4	SO	SM 2540G	08/01/2023 13:00	08/01/2023 15:30	1	Dry
M2304301031	MAG-8.4	SO	SW-846 8260D	08/01/2023 13:00	08/01/2023 15:30	68	Dry
M2304301032	MAG-8.6	SO	SM 2540G	08/01/2023 13:07	08/01/2023 15:30	1	Dry
M2304301032	MAG-8.6	SO	SW-846 8260D	08/01/2023 13:07	08/01/2023 15:30	68	Dry
M2304301033	MAG-9.05	SO	SM 2540G	08/01/2023 11:48	08/01/2023 15:30	1	Dry
M2304301033	MAG-9.05	SO	SW-846 8260D	08/01/2023 11:48	08/01/2023 15:30	68	Dry
M2304301034	MAG-9.2	SO	SM 2540G	08/01/2023 11:53	08/01/2023 15:30	1	Dry
M2304301034	MAG-9.2	SO	SW-846 8260D	08/01/2023 11:53	08/01/2023 15:30	68	Dry
M2304301035	MAG-9.4	SO	SM 2540G	08/01/2023 12:00	08/01/2023 15:30	1	Dry
M2304301035	MAG-9.4	SO	SW-846 8260D	08/01/2023 12:00	08/01/2023 15:30	68	Dry

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FINAL

Workorder: Crystal Cleaners (M2304301)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
M2304301036	MAG-9.6	SO	SM 2540G	08/01/2023 12:07	08/01/2023 15:30	1	Dry
M2304301036	MAG-9.6	SO	SW-846 8260D	08/01/2023 12:07	08/01/2023 15:30	68	Dry
M2304301037	MAG-10.05	SO	SM 2540G	08/01/2023 10:00	08/01/2023 15:30	1	Dry
M2304301037	MAG-10.05	SO	SW-846 8260D	08/01/2023 10:00	08/01/2023 15:30	68	Dry
M2304301038	MAG-10.2	SO	SM 2540G	08/01/2023 10:05	08/01/2023 15:30	1	Dry
M2304301038	MAG-10.2	SO	SW-846 8260D	08/01/2023 10:05	08/01/2023 15:30	68	Dry
M2304301039	MAG-10.4	SO	SM 2540G	08/01/2023 10:10	08/01/2023 15:30	1	Dry
M2304301039	MAG-10.4	SO	SW-846 8260D	08/01/2023 10:10	08/01/2023 15:30	68	Dry
M2304301040	MAG-10.6	SO	SM 2540G	08/01/2023 10:15	08/01/2023 15:30	1	Dry
M2304301040	MAG-10.6	SO	SW-846 8260D	08/01/2023 10:15	08/01/2023 15:30	68	Dry
M2304301041	SB-1.05	SO	SM 2540G	07/31/2023 15:30	08/01/2023 15:30	1	Dry
M2304301041	SB-1.05	SO	SW-846 8260D	07/31/2023 15:30	08/01/2023 15:30	68	Dry
M2304301042	SB-1.2	SO	SM 2540G	07/31/2023 15:35	08/01/2023 15:30	1	Dry
M2304301042	SB-1.2	SO	SW-846 8260D	07/31/2023 15:35	08/01/2023 15:30	68	Dry
M2304301043	SB-1.4	SO	SM 2540G	07/31/2023 15:40	08/01/2023 15:30	1	Dry
M2304301043	SB-1.4	SO	SW-846 8260D	07/31/2023 15:40	08/01/2023 15:30	68	Dry
M2304301044	SB-1.6	SO	SM 2540G	07/31/2023 15:45	08/01/2023 15:30	1	Dry
M2304301044	SB-1.6	SO	SW-846 8260D	07/31/2023 15:45	08/01/2023 15:30	68	Dry
M2304301045	SB-2.05	SO	SM 2540G	07/31/2023 14:00	08/01/2023 15:30	1	Dry
M2304301045	SB-2.05	SO	SW-846 8260D	07/31/2023 14:00	08/01/2023 15:30	68	Dry
M2304301046	SB-2.2	SO	SM 2540G	07/31/2023 14:05	08/01/2023 15:30	1	Dry
M2304301046	SB-2.2	SO	SW-846 8260D	07/31/2023 14:05	08/01/2023 15:30	68	Dry
M2304301047	SB-2.4	SO	SM 2540G	07/31/2023 14:10	08/01/2023 15:30	1	Dry
M2304301047	SB-2.4	SO	SW-846 8260D	07/31/2023 14:10	08/01/2023 15:30	68	Dry
M2304301048	SB-2.6	SO	SM 2540G	07/31/2023 14:15	08/01/2023 15:30	1	Dry
M2304301048	SB-2.6	SO	SW-846 8260D	07/31/2023 14:15	08/01/2023 15:30	68	Dry

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FINAL

Workorder: Crystal Cleaners (M2304301)

Workorder Summary

Workorder Comments

Contingent Workorder

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

M	DOH Certification #E82535 (FL NELAC) AEL-Miami

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID:	M2304301001	Date Collected:	07/31/2023 18:50			Matrix:	Soil	
Sample ID:	MAG-1.05	Date Received:	08/01/2023 15:30					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	0.98	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00043 U	mg/Kg	0.0032	0.00043	1	08/07/2023 06:30	08/09/2023 10:07	M
1,1,1-Trichloroethane	0.00057 U	mg/Kg	0.0032	0.00057	1	08/07/2023 06:30	08/09/2023 10:07	M
1,1,2,2-Tetrachloroethane	0.00091 U	mg/Kg	0.0032	0.00091	1	08/07/2023 06:30	08/09/2023 10:07	M
1,1,2-Trichloroethane	0.00034 U	mg/Kg	0.0032	0.00034	1	08/07/2023 06:30	08/09/2023 10:07	M
1,1-Dichloroethane	0.00044 U	mg/Kg	0.0032	0.00044	1	08/07/2023 06:30	08/09/2023 10:07	M
1,1-Dichloroethylene	0.00056 U	mg/Kg	0.0032	0.00056	1	08/07/2023 06:30	08/09/2023 10:07	M
1,1-Dichloropropene	0.00046 U	mg/Kg	0.0032	0.00046	1	08/07/2023 06:30	08/09/2023 10:07	M
1,2,3-Trichlorobenzene	0.00085 U	mg/Kg	0.0032	0.00085	1	08/07/2023 06:30	08/09/2023 10:07	M
1,2,3-Trichloropropane	0.00084 U	mg/Kg	0.0032	0.00084	1	08/07/2023 06:30	08/09/2023 10:07	M
1,2,4-Trichlorobenzene	0.00086 U	mg/Kg	0.0032	0.00086	1	08/07/2023 06:30	08/09/2023 10:07	M
1,2,4-Trimethylbenzene	0.00084 U	mg/Kg	0.0032	0.00084	1	08/07/2023 06:30	08/09/2023 10:07	M
1,2-Dibromo-3-Chloropropane	0.00064 U	mg/Kg	0.0032	0.00064	1	08/07/2023 06:30	08/09/2023 10:07	M
1,2-Dichlorobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 06:30	08/09/2023 10:07	M
1,2-Dichloroethane	0.00039 U	mg/Kg	0.0032	0.00039	1	08/07/2023 06:30	08/09/2023 10:07	M
1,2-Dichloropropane	0.00061 U	mg/Kg	0.0032	0.00061	1	08/07/2023 06:30	08/09/2023 10:07	M
1,3,5-Trimethylbenzene	0.00089 U	mg/Kg	0.0032	0.00089	1	08/07/2023 06:30	08/09/2023 10:07	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0032	0.0011	1	08/07/2023 06:30	08/09/2023 10:07	M
1,3-Dichloropropane	0.00053 U	mg/Kg	0.0032	0.00053	1	08/07/2023 06:30	08/09/2023 10:07	M
1,4-Dichlorobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 06:30	08/09/2023 10:07	M
2,2-Dichloropropane	0.00035 U	mg/Kg	0.0032	0.00035	1	08/07/2023 06:30	08/09/2023 10:07	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301001
Sample ID: MAG-1.05

Date Collected: 07/31/2023 18:50
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00079 U	mg/Kg	0.0032	0.00079	1	08/07/2023 06:30	08/09/2023 10:07	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0032	0.0016	1	08/07/2023 06:30	08/09/2023 10:07	M
2-Chlorotoluene	0.00080 U	mg/Kg	0.0032	0.00080	1	08/07/2023 06:30	08/09/2023 10:07	M
2-Hexanone	0.00061 U	mg/Kg	0.0032	0.00061	1	08/07/2023 06:30	08/09/2023 10:07	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 06:30	08/09/2023 10:07	M
4-Methyl-2-pentanone (MIBK)	0.00088 U	mg/Kg	0.0032	0.00088	1	08/07/2023 06:30	08/09/2023 10:07	M
Acetone	0.0011 U	mg/Kg	0.0032	0.0011	1	08/07/2023 06:30	08/09/2023 10:07	M
Acrolein (Propenal)	0.0084 U	mg/Kg	0.016	0.0084	1	08/07/2023 06:30	08/09/2023 10:07	M
Acrylonitrile	0.0014 U	mg/Kg	0.0032	0.0014	1	08/07/2023 06:30	08/09/2023 10:07	M
Benzene	0.00032 U	mg/Kg	0.0032	0.00032	1	08/07/2023 06:30	08/09/2023 10:07	M
Bromobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 06:30	08/09/2023 10:07	M
Bromochloromethane	0.00068 U	mg/Kg	0.0032	0.00068	1	08/07/2023 06:30	08/09/2023 10:07	M
Bromodichloromethane	0.00080 U	mg/Kg	0.0032	0.00080	1	08/07/2023 06:30	08/09/2023 10:07	M
Bromoform	0.00094 U	mg/Kg	0.0032	0.00094	1	08/07/2023 06:30	08/09/2023 10:07	M
Bromomethane	0.0022 U	mg/Kg	0.0032	0.0022	1	08/07/2023 06:30	08/09/2023 10:07	M
Carbon Disulfide	0.00058 U	mg/Kg	0.0032	0.00058	1	08/07/2023 06:30	08/09/2023 10:07	M
Carbon Tetrachloride	0.00047 U	mg/Kg	0.0032	0.00047	1	08/07/2023 06:30	08/09/2023 10:07	M
Chlorobenzene	0.00040 U	mg/Kg	0.0032	0.00040	1	08/07/2023 06:30	08/09/2023 10:07	M
Chloroethane	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 06:30	08/09/2023 10:07	M
Chloroform	0.00051 U	mg/Kg	0.0032	0.00051	1	08/07/2023 06:30	08/09/2023 10:07	M
Chloromethane	0.00079 U	mg/Kg	0.0032	0.00079	1	08/07/2023 06:30	08/09/2023 10:07	M
Dibromochloromethane	0.00045 U	mg/Kg	0.0032	0.00045	1	08/07/2023 06:30	08/09/2023 10:07	M
Dibromomethane	0.00061 U	mg/Kg	0.0032	0.00061	1	08/07/2023 06:30	08/09/2023 10:07	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0032	0.0011	1	08/07/2023 06:30	08/09/2023 10:07	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301001
Sample ID: MAG-1.05

Date Collected: 07/31/2023 18:50
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00041 U	mg/Kg	0.0032	0.00041	1	08/07/2023 06:30	08/09/2023 10:07	M
Ethylene Dibromide (EDB)	0.00059 U	mg/Kg	0.0032	0.00059	1	08/07/2023 06:30	08/09/2023 10:07	M
Hexachlorobutadiene	0.00079 U	mg/Kg	0.0032	0.00079	1	08/07/2023 06:30	08/09/2023 10:07	M
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0032	0.0022	1	08/07/2023 06:30	08/09/2023 10:07	M
Isopropylbenzene	0.00072 U	mg/Kg	0.0032	0.00072	1	08/07/2023 06:30	08/09/2023 10:07	M
Methyl tert-butyl Ether (MTBE)	0.00046 U	mg/Kg	0.0032	0.00046	1	08/07/2023 06:30	08/09/2023 10:07	M
Methylene Chloride	0.0013 U	mg/Kg	0.0032	0.0013	1	08/07/2023 06:30	08/09/2023 10:07	M
Naphthalene	0.00072 U	mg/Kg	0.0032	0.00072	1	08/07/2023 06:30	08/09/2023 10:07	M
Styrene	0.00034 U	mg/Kg	0.0032	0.00034	1	08/07/2023 06:30	08/09/2023 10:07	M
Tetrachloroethylene (PCE)	0.00065 U	mg/Kg	0.0032	0.00065	1	08/07/2023 06:30	08/09/2023 10:07	M
Toluene	0.00049 U	mg/Kg	0.0032	0.00049	1	08/07/2023 06:30	08/09/2023 10:07	M
Trichloroethene	0.00062 U	mg/Kg	0.0032	0.00062	1	08/07/2023 06:30	08/09/2023 10:07	M
Trichlorofluoromethane	0.00044 U	mg/Kg	0.0032	0.00044	1	08/07/2023 06:30	08/09/2023 10:07	M
Vinyl Acetate	0.00047 U	mg/Kg	0.0032	0.00047	1	08/07/2023 06:30	08/09/2023 10:07	M
Vinyl Chloride	0.00055 U	mg/Kg	0.0032	0.00055	1	08/07/2023 06:30	08/09/2023 10:07	M
Xylene (Total)	0.0012 U	mg/Kg	0.0064	0.0012	1	08/07/2023 06:30	08/09/2023 10:07	M
cis-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0032	0.00048	1	08/07/2023 06:30	08/09/2023 10:07	M
cis-1,3-Dichloropropene	0.00039 U	mg/Kg	0.0032	0.00039	1	08/07/2023 06:30	08/09/2023 10:07	M
n-Butylbenzene	0.00075 U	mg/Kg	0.0032	0.00075	1	08/07/2023 06:30	08/09/2023 10:07	M
n-propylbenzene	0.00081 U	mg/Kg	0.0032	0.00081	1	08/07/2023 06:30	08/09/2023 10:07	M
sec-butylbenzene	0.00087 U	mg/Kg	0.0032	0.00087	1	08/07/2023 06:30	08/09/2023 10:07	M
tert-butylbenzene	0.00075 U	mg/Kg	0.0032	0.00075	1	08/07/2023 06:30	08/09/2023 10:07	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301001
Sample ID: MAG-1.05

Date Collected: 07/31/2023 18:50
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00050 U	mg/Kg	0.0032	0.00050	1	08/07/2023 06:30	08/09/2023 10:07	M
trans-1,3-Dichloropropylene	0.00041 U	mg/Kg	0.0032	0.00041	1	08/07/2023 06:30	08/09/2023 10:07	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	53	61	114	69 - 134	M
Toluene-d8 (S)	ug/Kg	53	56	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	53	61	114	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301002
Sample ID: MAG-1.2

Date Collected: 07/31/2023 18:55
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	2.2	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00037	U mg/Kg	0.0028	0.00037	1	08/07/2023 06:30	08/09/2023 10:34	M
1,1,1-Trichloroethane	0.00050	U mg/Kg	0.0028	0.00050	1	08/07/2023 06:30	08/09/2023 10:34	M
1,1,2,2-Tetrachloroethane	0.00079	U mg/Kg	0.0028	0.00079	1	08/07/2023 06:30	08/09/2023 10:34	M
1,1,2-Trichloroethane	0.00030	U mg/Kg	0.0028	0.00030	1	08/07/2023 06:30	08/09/2023 10:34	M
1,1-Dichloroethane	0.00038	U mg/Kg	0.0028	0.00038	1	08/07/2023 06:30	08/09/2023 10:34	M
1,1-Dichloroethylene	0.00049	U mg/Kg	0.0028	0.00049	1	08/07/2023 06:30	08/09/2023 10:34	M
1,1-Dichloropropene	0.00040	U mg/Kg	0.0028	0.00040	1	08/07/2023 06:30	08/09/2023 10:34	M
1,2,3-Trichlorobenzene	0.00074	U mg/Kg	0.0028	0.00074	1	08/07/2023 06:30	08/09/2023 10:34	M
1,2,3-Trichloropropane	0.00074	U mg/Kg	0.0028	0.00074	1	08/07/2023 06:30	08/09/2023 10:34	M
1,2,4-Trichlorobenzene	0.00075	U mg/Kg	0.0028	0.00075	1	08/07/2023 06:30	08/09/2023 10:34	M
1,2,4-Trimethylbenzene	0.00073	U mg/Kg	0.0028	0.00073	1	08/07/2023 06:30	08/09/2023 10:34	M
1,2-Dibromo-3-Chloropropane	0.00056	U mg/Kg	0.0028	0.00056	1	08/07/2023 06:30	08/09/2023 10:34	M
1,2-Dichlorobenzene	0.0010	U mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/09/2023 10:34	M
1,2-Dichloroethane	0.00034	U mg/Kg	0.0028	0.00034	1	08/07/2023 06:30	08/09/2023 10:34	M
1,2-Dichloropropane	0.00053	U mg/Kg	0.0028	0.00053	1	08/07/2023 06:30	08/09/2023 10:34	M
1,3,5-Trimethylbenzene	0.00078	U mg/Kg	0.0028	0.00078	1	08/07/2023 06:30	08/09/2023 10:34	M
1,3-Dichlorobenzene	0.00096	U mg/Kg	0.0028	0.00096	1	08/07/2023 06:30	08/09/2023 10:34	M
1,3-Dichloropropane	0.00046	U mg/Kg	0.0028	0.00046	1	08/07/2023 06:30	08/09/2023 10:34	M
1,4-Dichlorobenzene	0.0010	U mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/09/2023 10:34	M
2,2-Dichloropropane	0.00031	U mg/Kg	0.0028	0.00031	1	08/07/2023 06:30	08/09/2023 10:34	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301002	Date Collected: 07/31/2023 18:55				Matrix: Soil			
Sample ID: MAG-1.2	Date Received: 08/01/2023 15:30							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00069 U	mg/Kg	0.0028	0.00069	1	08/07/2023 06:30	08/09/2023 10:34	M
2-Chloroethyl Vinyl Ether	0.0014 U	mg/Kg	0.0028	0.0014	1	08/07/2023 06:30	08/09/2023 10:34	M
2-Chlorotoluene	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/09/2023 10:34	M
2-Hexanone	0.00053 U	mg/Kg	0.0028	0.00053	1	08/07/2023 06:30	08/09/2023 10:34	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/09/2023 10:34	M
4-Methyl-2-pentanone (MIBK)	0.00077 U	mg/Kg	0.0028	0.00077	1	08/07/2023 06:30	08/09/2023 10:34	M
Acetone	0.00096 U	mg/Kg	0.0028	0.00096	1	08/07/2023 06:30	08/09/2023 10:34	M
Acrolein (Propenal)	0.0073 U	mg/Kg	0.014	0.0073	1	08/07/2023 06:30	08/09/2023 10:34	M
Acrylonitrile	0.0012 U	mg/Kg	0.0028	0.0012	1	08/07/2023 06:30	08/09/2023 10:34	M
Benzene	0.00028 U	mg/Kg	0.0028	0.00028	1	08/07/2023 06:30	08/09/2023 10:34	M
Bromobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/09/2023 10:34	M
Bromochloromethane	0.00059 U	mg/Kg	0.0028	0.00059	1	08/07/2023 06:30	08/09/2023 10:34	M
Bromodichloromethane	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/09/2023 10:34	M
Bromoform	0.00082 U	mg/Kg	0.0028	0.00082	1	08/07/2023 06:30	08/09/2023 10:34	M
Bromomethane	0.0020 U	mg/Kg	0.0028	0.0020	1	08/07/2023 06:30	08/09/2023 10:34	M
Carbon Disulfide	0.00050 U	mg/Kg	0.0028	0.00050	1	08/07/2023 06:30	08/09/2023 10:34	M
Carbon Tetrachloride	0.00041 U	mg/Kg	0.0028	0.00041	1	08/07/2023 06:30	08/09/2023 10:34	M
Chlorobenzene	0.00035 U	mg/Kg	0.0028	0.00035	1	08/07/2023 06:30	08/09/2023 10:34	M
Chloroethane	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/09/2023 10:34	M
Chloroform	0.00045 U	mg/Kg	0.0028	0.00045	1	08/07/2023 06:30	08/09/2023 10:34	M
Chloromethane	0.00069 U	mg/Kg	0.0028	0.00069	1	08/07/2023 06:30	08/09/2023 10:34	M
Dibromochloromethane	0.00039 U	mg/Kg	0.0028	0.00039	1	08/07/2023 06:30	08/09/2023 10:34	M
Dibromomethane	0.00053 U	mg/Kg	0.0028	0.00053	1	08/07/2023 06:30	08/09/2023 10:34	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301002
Sample ID: MAG-1.2

Date Collected: 07/31/2023 18:55
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00092 U	mg/Kg	0.0028	0.00092	1	08/07/2023 06:30	08/09/2023 10:34	M
Ethylbenzene	0.00036 U	mg/Kg	0.0028	0.00036	1	08/07/2023 06:30	08/09/2023 10:34	M
Ethylene Dibromide (EDB)	0.00051 U	mg/Kg	0.0028	0.00051	1	08/07/2023 06:30	08/09/2023 10:34	M
Hexachlorobutadiene	0.00069 U	mg/Kg	0.0028	0.00069	1	08/07/2023 06:30	08/09/2023 10:34	M
Iodomethane (Methyl Iodide)	0.0019 U	mg/Kg	0.0028	0.0019	1	08/07/2023 06:30	08/09/2023 10:34	M
Isopropylbenzene	0.00063 U	mg/Kg	0.0028	0.00063	1	08/07/2023 06:30	08/09/2023 10:34	M
Methyl tert-butyl Ether (MTBE)	0.00040 U	mg/Kg	0.0028	0.00040	1	08/07/2023 06:30	08/09/2023 10:34	M
Methylene Chloride	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/09/2023 10:34	M
Naphthalene	0.00063 U	mg/Kg	0.0028	0.00063	1	08/07/2023 06:30	08/09/2023 10:34	M
Styrene	0.00030 U	mg/Kg	0.0028	0.00030	1	08/07/2023 06:30	08/09/2023 10:34	M
Tetrachloroethylene (PCE)	0.00057 U	mg/Kg	0.0028	0.00057	1	08/07/2023 06:30	08/09/2023 10:34	M
Toluene	0.00043 U	mg/Kg	0.0028	0.00043	1	08/07/2023 06:30	08/09/2023 10:34	M
Trichloroethene	0.00054 U	mg/Kg	0.0028	0.00054	1	08/07/2023 06:30	08/09/2023 10:34	M
Trichlorofluoromethane	0.00038 U	mg/Kg	0.0028	0.00038	1	08/07/2023 06:30	08/09/2023 10:34	M
Vinyl Acetate	0.00041 U	mg/Kg	0.0028	0.00041	1	08/07/2023 06:30	08/09/2023 10:34	M
Vinyl Chloride	0.00048 U	mg/Kg	0.0028	0.00048	1	08/07/2023 06:30	08/09/2023 10:34	M
Xylene (Total)	0.0010 U	mg/Kg	0.0056	0.0010	1	08/07/2023 06:30	08/09/2023 10:34	M
cis-1,2-Dichloroethylene	0.00042 U	mg/Kg	0.0028	0.00042	1	08/07/2023 06:30	08/09/2023 10:34	M
cis-1,3-Dichloropropene	0.00034 U	mg/Kg	0.0028	0.00034	1	08/07/2023 06:30	08/09/2023 10:34	M
n-Butylbenzene	0.00065 U	mg/Kg	0.0028	0.00065	1	08/07/2023 06:30	08/09/2023 10:34	M
n-propylbenzene	0.00071 U	mg/Kg	0.0028	0.00071	1	08/07/2023 06:30	08/09/2023 10:34	M
sec-butylbenzene	0.00076 U	mg/Kg	0.0028	0.00076	1	08/07/2023 06:30	08/09/2023 10:34	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301002
Sample ID: MAG-1.2

Date Collected: 07/31/2023 18:55
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00065 U	mg/Kg	0.0028	0.00065	1	08/07/2023 06:30	08/09/2023 10:34	M
trans-1,2-Dichloroethylene	0.00044 U	mg/Kg	0.0028	0.00044	1	08/07/2023 06:30	08/09/2023 10:34	M
trans-1,3-Dichloropropylene	0.00036 U	mg/Kg	0.0028	0.00036	1	08/07/2023 06:30	08/09/2023 10:34	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46	51	111	69 - 134	M
Toluene-d8 (S)	ug/Kg	46	48	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	46	52	114	79 - 126	M

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Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301003
Sample ID: MAG-1.4

Date Collected: 07/31/2023 19:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	1.6	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0030	0.00041	1	08/07/2023 06:30	08/09/2023 11:01	M
1,1,1-Trichloroethane	0.00054 U	mg/Kg	0.0030	0.00054	1	08/07/2023 06:30	08/09/2023 11:01	M
1,1,2,2-Tetrachloroethane	0.00086 U	mg/Kg	0.0030	0.00086	1	08/07/2023 06:30	08/09/2023 11:01	M
1,1,2-Trichloroethane	0.00032 U	mg/Kg	0.0030	0.00032	1	08/07/2023 06:30	08/09/2023 11:01	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0030	0.00042	1	08/07/2023 06:30	08/09/2023 11:01	M
1,1-Dichloroethylene	0.00053 U	mg/Kg	0.0030	0.00053	1	08/07/2023 06:30	08/09/2023 11:01	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0030	0.00044	1	08/07/2023 06:30	08/09/2023 11:01	M
1,2,3-Trichlorobenzene	0.00080 U	mg/Kg	0.0030	0.00080	1	08/07/2023 06:30	08/09/2023 11:01	M
1,2,3-Trichloropropane	0.00080 U	mg/Kg	0.0030	0.00080	1	08/07/2023 06:30	08/09/2023 11:01	M
1,2,4-Trichlorobenzene	0.00081 U	mg/Kg	0.0030	0.00081	1	08/07/2023 06:30	08/09/2023 11:01	M
1,2,4-Trimethylbenzene	0.00079 U	mg/Kg	0.0030	0.00079	1	08/07/2023 06:30	08/09/2023 11:01	M
1,2-Dibromo-3-Chloropropane	0.00061 U	mg/Kg	0.0030	0.00061	1	08/07/2023 06:30	08/09/2023 11:01	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/09/2023 11:01	M
1,2-Dichloroethane	0.00037 U	mg/Kg	0.0030	0.00037	1	08/07/2023 06:30	08/09/2023 11:01	M
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0030	0.00058	1	08/07/2023 06:30	08/09/2023 11:01	M
1,3,5-Trimethylbenzene	0.00084 U	mg/Kg	0.0030	0.00084	1	08/07/2023 06:30	08/09/2023 11:01	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0030	0.0010	1	08/07/2023 06:30	08/09/2023 11:01	M
1,3-Dichloropropane	0.00050 U	mg/Kg	0.0030	0.00050	1	08/07/2023 06:30	08/09/2023 11:01	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/09/2023 11:01	M
2,2-Dichloropropane	0.00033 U	mg/Kg	0.0030	0.00033	1	08/07/2023 06:30	08/09/2023 11:01	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301003
Sample ID: MAG-1.4

Date Collected: 07/31/2023 19:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00075 U	mg/Kg	0.0030	0.00075	1	08/07/2023 06:30	08/09/2023 11:01	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	1	08/07/2023 06:30	08/09/2023 11:01	M
2-Chlorotoluene	0.00076 U	mg/Kg	0.0030	0.00076	1	08/07/2023 06:30	08/09/2023 11:01	M
2-Hexanone	0.00058 U	mg/Kg	0.0030	0.00058	1	08/07/2023 06:30	08/09/2023 11:01	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/09/2023 11:01	M
4-Methyl-2-pentanone (MIBK)	0.00083 U	mg/Kg	0.0030	0.00083	1	08/07/2023 06:30	08/09/2023 11:01	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	1	08/07/2023 06:30	08/09/2023 11:01	M
Acrolein (Propenal)	0.0079 U	mg/Kg	0.015	0.0079	1	08/07/2023 06:30	08/09/2023 11:01	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	1	08/07/2023 06:30	08/09/2023 11:01	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	1	08/07/2023 06:30	08/09/2023 11:01	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/09/2023 11:01	M
Bromochloromethane	0.00064 U	mg/Kg	0.0030	0.00064	1	08/07/2023 06:30	08/09/2023 11:01	M
Bromodichloromethane	0.00076 U	mg/Kg	0.0030	0.00076	1	08/07/2023 06:30	08/09/2023 11:01	M
Bromoform	0.00089 U	mg/Kg	0.0030	0.00089	1	08/07/2023 06:30	08/09/2023 11:01	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	1	08/07/2023 06:30	08/09/2023 11:01	M
Carbon Disulfide	0.00055 U	mg/Kg	0.0030	0.00055	1	08/07/2023 06:30	08/09/2023 11:01	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0030	0.00045	1	08/07/2023 06:30	08/09/2023 11:01	M
Chlorobenzene	0.00038 U	mg/Kg	0.0030	0.00038	1	08/07/2023 06:30	08/09/2023 11:01	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/09/2023 11:01	M
Chloroform	0.00049 U	mg/Kg	0.0030	0.00049	1	08/07/2023 06:30	08/09/2023 11:01	M
Chloromethane	0.00075 U	mg/Kg	0.0030	0.00075	1	08/07/2023 06:30	08/09/2023 11:01	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0030	0.00043	1	08/07/2023 06:30	08/09/2023 11:01	M
Dibromomethane	0.00058 U	mg/Kg	0.0030	0.00058	1	08/07/2023 06:30	08/09/2023 11:01	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301003
Sample ID: MAG-1.4

Date Collected: 07/31/2023 19:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00099 U	mg/Kg	0.0030	0.0009 9	1	08/07/2023 06:30	08/09/2023 11:01	M
Ethylbenzene	0.00039 U	mg/Kg	0.0030	0.0003 9	1	08/07/2023 06:30	08/09/2023 11:01	M
Ethylene Dibromide (EDB)	0.00056 U	mg/Kg	0.0030	0.0005 6	1	08/07/2023 06:30	08/09/2023 11:01	M
Hexachlorobutadiene	0.00075 U	mg/Kg	0.0030	0.0007 5	1	08/07/2023 06:30	08/09/2023 11:01	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	1	08/07/2023 06:30	08/09/2023 11:01	M
Isopropylbenzene	0.00069 U	mg/Kg	0.0030	0.0006 9	1	08/07/2023 06:30	08/09/2023 11:01	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0030	0.0004 4	1	08/07/2023 06:30	08/09/2023 11:01	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	1	08/07/2023 06:30	08/09/2023 11:01	M
Naphthalene	0.00068 U	mg/Kg	0.0030	0.0006 8	1	08/07/2023 06:30	08/09/2023 11:01	M
Styrene	0.00032 U	mg/Kg	0.0030	0.0003 2	1	08/07/2023 06:30	08/09/2023 11:01	M
Tetrachloroethylene (PCE)	0.00062 U	mg/Kg	0.0030	0.0006 2	1	08/07/2023 06:30	08/09/2023 11:01	M
Toluene	0.00047 U	mg/Kg	0.0030	0.0004 7	1	08/07/2023 06:30	08/09/2023 11:01	M
Trichloroethene	0.00059 U	mg/Kg	0.0030	0.0005 9	1	08/07/2023 06:30	08/09/2023 11:01	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0030	0.0004 2	1	08/07/2023 06:30	08/09/2023 11:01	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0030	0.0004 5	1	08/07/2023 06:30	08/09/2023 11:01	M
Vinyl Chloride	0.00052 U	mg/Kg	0.0030	0.0005 2	1	08/07/2023 06:30	08/09/2023 11:01	M
Xylene (Total)	0.0011 U	mg/Kg	0.0061	0.0011	1	08/07/2023 06:30	08/09/2023 11:01	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0030	0.0004 6	1	08/07/2023 06:30	08/09/2023 11:01	M
cis-1,3-Dichloropropene	0.00037 U	mg/Kg	0.0030	0.0003 7	1	08/07/2023 06:30	08/09/2023 11:01	M
n-Butylbenzene	0.00071 U	mg/Kg	0.0030	0.0007 1	1	08/07/2023 06:30	08/09/2023 11:01	M
n-propylbenzene	0.00077 U	mg/Kg	0.0030	0.0007 7	1	08/07/2023 06:30	08/09/2023 11:01	M
sec-butylbenzene	0.00082 U	mg/Kg	0.0030	0.0008 2	1	08/07/2023 06:30	08/09/2023 11:01	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301003
Sample ID: MAG-1.4

Date Collected: 07/31/2023 19:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00071 U	mg/Kg	0.0030	0.00071	1	08/07/2023 06:30	08/09/2023 11:01	M
trans-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0030	0.00048	1	08/07/2023 06:30	08/09/2023 11:01	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0030	0.00039	1	08/07/2023 06:30	08/09/2023 11:01	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/Kg	50	57	114	79 - 126	M
1,2-Dichloroethane-d4 (S)	ug/Kg	50	54	107	69 - 134	M
Toluene-d8 (S)	ug/Kg	50	51	103	72 - 122	M

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NELAP Accredited E82535



FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301004
Sample ID: MAG-1.6

Date Collected: 07/31/2023 19:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	4.0	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00040	U mg/Kg	0.0030	0.00040	1	08/07/2023 06:30	08/09/2023 11:28	M
1,1,1-Trichloroethane	0.00053	U mg/Kg	0.0030	0.00053	1	08/07/2023 06:30	08/09/2023 11:28	M
1,1,2,2-Tetrachloroethane	0.00085	U mg/Kg	0.0030	0.00085	1	08/07/2023 06:30	08/09/2023 11:28	M
1,1,2-Trichloroethane	0.00032	U mg/Kg	0.0030	0.00032	1	08/07/2023 06:30	08/09/2023 11:28	M
1,1-Dichloroethane	0.00041	U mg/Kg	0.0030	0.00041	1	08/07/2023 06:30	08/09/2023 11:28	M
1,1-Dichloroethylene	0.00052	U mg/Kg	0.0030	0.00052	1	08/07/2023 06:30	08/09/2023 11:28	M
1,1-Dichloropropene	0.00043	U mg/Kg	0.0030	0.00043	1	08/07/2023 06:30	08/09/2023 11:28	M
1,2,3-Trichlorobenzene	0.00079	U mg/Kg	0.0030	0.00079	1	08/07/2023 06:30	08/09/2023 11:28	M
1,2,3-Trichloropropane	0.00079	U mg/Kg	0.0030	0.00079	1	08/07/2023 06:30	08/09/2023 11:28	M
1,2,4-Trichlorobenzene	0.00080	U mg/Kg	0.0030	0.00080	1	08/07/2023 06:30	08/09/2023 11:28	M
1,2,4-Trimethylbenzene	0.00078	U mg/Kg	0.0030	0.00078	1	08/07/2023 06:30	08/09/2023 11:28	M
1,2-Dibromo-3-Chloropropane	0.00060	U mg/Kg	0.0030	0.00060	1	08/07/2023 06:30	08/09/2023 11:28	M
1,2-Dichlorobenzene	0.0011	U mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/09/2023 11:28	M
1,2-Dichloroethane	0.00036	U mg/Kg	0.0030	0.00036	1	08/07/2023 06:30	08/09/2023 11:28	M
1,2-Dichloropropane	0.00057	U mg/Kg	0.0030	0.00057	1	08/07/2023 06:30	08/09/2023 11:28	M
1,3,5-Trimethylbenzene	0.00083	U mg/Kg	0.0030	0.00083	1	08/07/2023 06:30	08/09/2023 11:28	M
1,3-Dichlorobenzene	0.0010	U mg/Kg	0.0030	0.0010	1	08/07/2023 06:30	08/09/2023 11:28	M
1,3-Dichloropropane	0.00049	U mg/Kg	0.0030	0.00049	1	08/07/2023 06:30	08/09/2023 11:28	M
1,4-Dichlorobenzene	0.0011	U mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/09/2023 11:28	M
2,2-Dichloropropane	0.00033	U mg/Kg	0.0030	0.00033	1	08/07/2023 06:30	08/09/2023 11:28	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301004
Sample ID: MAG-1.6

Date Collected: 07/31/2023 19:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00074 U	mg/Kg	0.0030	0.00074	1	08/07/2023 06:30	08/09/2023 11:28	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	1	08/07/2023 06:30	08/09/2023 11:28	M
2-Chlorotoluene	0.00075 U	mg/Kg	0.0030	0.00075	1	08/07/2023 06:30	08/09/2023 11:28	M
2-Hexanone	0.00057 U	mg/Kg	0.0030	0.00057	1	08/07/2023 06:30	08/09/2023 11:28	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/09/2023 11:28	M
4-Methyl-2-pentanone (MIBK)	0.00082 U	mg/Kg	0.0030	0.00082	1	08/07/2023 06:30	08/09/2023 11:28	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	1	08/07/2023 06:30	08/09/2023 11:28	M
Acrolein (Propenal)	0.0078 U	mg/Kg	0.015	0.0078	1	08/07/2023 06:30	08/09/2023 11:28	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	1	08/07/2023 06:30	08/09/2023 11:28	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	1	08/07/2023 06:30	08/09/2023 11:28	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/09/2023 11:28	M
Bromochloromethane	0.00063 U	mg/Kg	0.0030	0.00063	1	08/07/2023 06:30	08/09/2023 11:28	M
Bromodichloromethane	0.00075 U	mg/Kg	0.0030	0.00075	1	08/07/2023 06:30	08/09/2023 11:28	M
Bromoform	0.00088 U	mg/Kg	0.0030	0.00088	1	08/07/2023 06:30	08/09/2023 11:28	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	1	08/07/2023 06:30	08/09/2023 11:28	M
Carbon Disulfide	0.00054 U	mg/Kg	0.0030	0.00054	1	08/07/2023 06:30	08/09/2023 11:28	M
Carbon Tetrachloride	0.00044 U	mg/Kg	0.0030	0.00044	1	08/07/2023 06:30	08/09/2023 11:28	M
Chlorobenzene	0.00037 U	mg/Kg	0.0030	0.00037	1	08/07/2023 06:30	08/09/2023 11:28	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/09/2023 11:28	M
Chloroform	0.00048 U	mg/Kg	0.0030	0.00048	1	08/07/2023 06:30	08/09/2023 11:28	M
Chloromethane	0.00074 U	mg/Kg	0.0030	0.00074	1	08/07/2023 06:30	08/09/2023 11:28	M
Dibromochloromethane	0.00042 U	mg/Kg	0.0030	0.00042	1	08/07/2023 06:30	08/09/2023 11:28	M
Dibromomethane	0.00057 U	mg/Kg	0.0030	0.00057	1	08/07/2023 06:30	08/09/2023 11:28	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301004
Sample ID: MAG-1.6

Date Collected: 07/31/2023 19:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00098 U	mg/Kg	0.0030	0.00098	1	08/07/2023 06:30	08/09/2023 11:28	M
Ethylbenzene	0.00038 U	mg/Kg	0.0030	0.00038	1	08/07/2023 06:30	08/09/2023 11:28	M
Ethylene Dibromide (EDB)	0.00055 U	mg/Kg	0.0030	0.00055	1	08/07/2023 06:30	08/09/2023 11:28	M
Hexachlorobutadiene	0.00074 U	mg/Kg	0.0030	0.00074	1	08/07/2023 06:30	08/09/2023 11:28	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	1	08/07/2023 06:30	08/09/2023 11:28	M
Isopropylbenzene	0.00068 U	mg/Kg	0.0030	0.00068	1	08/07/2023 06:30	08/09/2023 11:28	M
Methyl tert-butyl Ether (MTBE)	0.00043 U	mg/Kg	0.0030	0.00043	1	08/07/2023 06:30	08/09/2023 11:28	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	1	08/07/2023 06:30	08/09/2023 11:28	M
Naphthalene	0.00067 U	mg/Kg	0.0030	0.00067	1	08/07/2023 06:30	08/09/2023 11:28	M
Styrene	0.00032 U	mg/Kg	0.0030	0.00032	1	08/07/2023 06:30	08/09/2023 11:28	M
Tetrachloroethylene (PCE)	0.00061 U	mg/Kg	0.0030	0.00061	1	08/07/2023 06:30	08/09/2023 11:28	M
Toluene	0.00046 U	mg/Kg	0.0030	0.00046	1	08/07/2023 06:30	08/09/2023 11:28	M
Trichloroethene	0.00058 U	mg/Kg	0.0030	0.00058	1	08/07/2023 06:30	08/09/2023 11:28	M
Trichlorofluoromethane	0.00041 U	mg/Kg	0.0030	0.00041	1	08/07/2023 06:30	08/09/2023 11:28	M
Vinyl Acetate	0.00044 U	mg/Kg	0.0030	0.00044	1	08/07/2023 06:30	08/09/2023 11:28	M
Vinyl Chloride	0.00051 U	mg/Kg	0.0030	0.00051	1	08/07/2023 06:30	08/09/2023 11:28	M
Xylene (Total)	0.0011 U	mg/Kg	0.0060	0.0011	1	08/07/2023 06:30	08/09/2023 11:28	M
cis-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0030	0.00045	1	08/07/2023 06:30	08/09/2023 11:28	M
cis-1,3-Dichloropropene	0.00036 U	mg/Kg	0.0030	0.00036	1	08/07/2023 06:30	08/09/2023 11:28	M
n-Butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	1	08/07/2023 06:30	08/09/2023 11:28	M
n-propylbenzene	0.00076 U	mg/Kg	0.0030	0.00076	1	08/07/2023 06:30	08/09/2023 11:28	M
sec-butylbenzene	0.00081 U	mg/Kg	0.0030	0.00081	1	08/07/2023 06:30	08/09/2023 11:28	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301004
Sample ID: MAG-1.6

Date Collected: 07/31/2023 19:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	1	08/07/2023 06:30	08/09/2023 11:28	M
trans-1,2-Dichloroethylene	0.00047 U	mg/Kg	0.0030	0.00047	1	08/07/2023 06:30	08/09/2023 11:28	M
trans-1,3-Dichloropropylene	0.00038 U	mg/Kg	0.0030	0.00038	1	08/07/2023 06:30	08/09/2023 11:28	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	48	55	115	69 - 134	M
Toluene-d8 (S)	ug/Kg	48	50	103	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	48	56	116	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301005
Sample ID: MAG-2.05

Date Collected: 07/31/2023 18:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	1.7	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00037	U mg/Kg	0.0028	0.00037	1	08/07/2023 06:30	08/07/2023 16:34	M
1,1,1-Trichloroethane	0.00050	U mg/Kg	0.0028	0.00050	1	08/07/2023 06:30	08/07/2023 16:34	M
1,1,2,2-Tetrachloroethane	0.00080	U mg/Kg	0.0028	0.00080	1	08/07/2023 06:30	08/07/2023 16:34	M
1,1,2-Trichloroethane	0.00030	U mg/Kg	0.0028	0.00030	1	08/07/2023 06:30	08/07/2023 16:34	M
1,1-Dichloroethane	0.00038	U mg/Kg	0.0028	0.00038	1	08/07/2023 06:30	08/07/2023 16:34	M
1,1-Dichloroethylene	0.00049	U mg/Kg	0.0028	0.00049	1	08/07/2023 06:30	08/07/2023 16:34	M
1,1-Dichloropropene	0.00040	U mg/Kg	0.0028	0.00040	1	08/07/2023 06:30	08/07/2023 16:34	M
1,2,3-Trichlorobenzene	0.00074	U mg/Kg	0.0028	0.00074	1	08/07/2023 06:30	08/07/2023 16:34	M
1,2,3-Trichloropropane	0.00074	U mg/Kg	0.0028	0.00074	1	08/07/2023 06:30	08/07/2023 16:34	M
1,2,4-Trichlorobenzene	0.00075	U mg/Kg	0.0028	0.00075	1	08/07/2023 06:30	08/07/2023 16:34	M
1,2,4-Trimethylbenzene	0.00073	U mg/Kg	0.0028	0.00073	1	08/07/2023 06:30	08/07/2023 16:34	M
1,2-Dibromo-3-Chloropropane	0.00056	U mg/Kg	0.0028	0.00056	1	08/07/2023 06:30	08/07/2023 16:34	M
1,2-Dichlorobenzene	0.0010	U mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 16:34	M
1,2-Dichloroethane	0.00034	U mg/Kg	0.0028	0.00034	1	08/07/2023 06:30	08/07/2023 16:34	M
1,2-Dichloropropane	0.00053	U mg/Kg	0.0028	0.00053	1	08/07/2023 06:30	08/07/2023 16:34	M
1,3,5-Trimethylbenzene	0.00078	U mg/Kg	0.0028	0.00078	1	08/07/2023 06:30	08/07/2023 16:34	M
1,3-Dichlorobenzene	0.00096	U mg/Kg	0.0028	0.00096	1	08/07/2023 06:30	08/07/2023 16:34	M
1,3-Dichloropropane	0.00046	U mg/Kg	0.0028	0.00046	1	08/07/2023 06:30	08/07/2023 16:34	M
1,4-Dichlorobenzene	0.0010	U mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 16:34	M
2,2-Dichloropropane	0.00031	U mg/Kg	0.0028	0.00031	1	08/07/2023 06:30	08/07/2023 16:34	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301005
Sample ID: MAG-2.05

Date Collected: 07/31/2023 18:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00069 U	mg/Kg	0.0028	0.00069	1	08/07/2023 06:30	08/07/2023 16:34	M
2-Chloroethyl Vinyl Ether	0.0014 U	mg/Kg	0.0028	0.0014	1	08/07/2023 06:30	08/07/2023 16:34	M
2-Chlorotoluene	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/07/2023 16:34	M
2-Hexanone	0.00053 U	mg/Kg	0.0028	0.00053	1	08/07/2023 06:30	08/07/2023 16:34	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/07/2023 16:34	M
4-Methyl-2-pentanone (MIBK)	0.00077 U	mg/Kg	0.0028	0.00077	1	08/07/2023 06:30	08/07/2023 16:34	M
Acetone	0.00096 U	mg/Kg	0.0028	0.00096	1	08/07/2023 06:30	08/07/2023 16:34	M
Acrolein (Propenal)	0.0073 U	mg/Kg	0.014	0.0073	1	08/07/2023 06:30	08/07/2023 16:34	M
Acrylonitrile	0.0012 U	mg/Kg	0.0028	0.0012	1	08/07/2023 06:30	08/07/2023 16:34	M
Benzene	0.00028 U	mg/Kg	0.0028	0.00028	1	08/07/2023 06:30	08/07/2023 16:34	M
Bromobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 16:34	M
Bromochloromethane	0.00059 U	mg/Kg	0.0028	0.00059	1	08/07/2023 06:30	08/07/2023 16:34	M
Bromodichloromethane	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/07/2023 16:34	M
Bromoform	0.00082 U	mg/Kg	0.0028	0.00082	1	08/07/2023 06:30	08/07/2023 16:34	M
Bromomethane	0.0020 U	mg/Kg	0.0028	0.0020	1	08/07/2023 06:30	08/07/2023 16:34	M
Carbon Disulfide	0.00051 U	mg/Kg	0.0028	0.00051	1	08/07/2023 06:30	08/07/2023 16:34	M
Carbon Tetrachloride	0.00041 U	mg/Kg	0.0028	0.00041	1	08/07/2023 06:30	08/07/2023 16:34	M
Chlorobenzene	0.00035 U	mg/Kg	0.0028	0.00035	1	08/07/2023 06:30	08/07/2023 16:34	M
Chloroethane	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/07/2023 16:34	M
Chloroform	0.00045 U	mg/Kg	0.0028	0.00045	1	08/07/2023 06:30	08/07/2023 16:34	M
Chloromethane	0.00069 U	mg/Kg	0.0028	0.00069	1	08/07/2023 06:30	08/07/2023 16:34	M
Dibromochloromethane	0.00039 U	mg/Kg	0.0028	0.00039	1	08/07/2023 06:30	08/07/2023 16:34	M
Dibromomethane	0.00053 U	mg/Kg	0.0028	0.00053	1	08/07/2023 06:30	08/07/2023 16:34	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301005
Sample ID: MAG-2.05

Date Collected: 07/31/2023 18:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00092 U	mg/Kg	0.0028	0.00092	1	08/07/2023 06:30	08/07/2023 16:34	M
Ethylbenzene	0.00036 U	mg/Kg	0.0028	0.00036	1	08/07/2023 06:30	08/07/2023 16:34	M
Ethylene Dibromide (EDB)	0.00052 U	mg/Kg	0.0028	0.00052	1	08/07/2023 06:30	08/07/2023 16:34	M
Hexachlorobutadiene	0.00069 U	mg/Kg	0.0028	0.00069	1	08/07/2023 06:30	08/07/2023 16:34	M
Iodomethane (Methyl Iodide)	0.0019 U	mg/Kg	0.0028	0.0019	1	08/07/2023 06:30	08/07/2023 16:34	M
Isopropylbenzene	0.00063 U	mg/Kg	0.0028	0.00063	1	08/07/2023 06:30	08/07/2023 16:34	M
Methyl tert-butyl Ether (MTBE)	0.00040 U	mg/Kg	0.0028	0.00040	1	08/07/2023 06:30	08/07/2023 16:34	M
Methylene Chloride	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/07/2023 16:34	M
Naphthalene	0.00063 U	mg/Kg	0.0028	0.00063	1	08/07/2023 06:30	08/07/2023 16:34	M
Styrene	0.00030 U	mg/Kg	0.0028	0.00030	1	08/07/2023 06:30	08/07/2023 16:34	M
Tetrachloroethylene (PCE)	0.00057 U	mg/Kg	0.0028	0.00057	1	08/07/2023 06:30	08/07/2023 16:34	M
Toluene	0.00043 U	mg/Kg	0.0028	0.00043	1	08/07/2023 06:30	08/07/2023 16:34	M
Trichloroethene	0.00054 U	mg/Kg	0.0028	0.00054	1	08/07/2023 06:30	08/07/2023 16:34	M
Trichlorofluoromethane	0.00038 U	mg/Kg	0.0028	0.00038	1	08/07/2023 06:30	08/07/2023 16:34	M
Vinyl Acetate	0.00041 U	mg/Kg	0.0028	0.00041	1	08/07/2023 06:30	08/07/2023 16:34	M
Vinyl Chloride	0.00048 U	mg/Kg	0.0028	0.00048	1	08/07/2023 06:30	08/07/2023 16:34	M
Xylene (Total)	0.0010 U	mg/Kg	0.0056	0.0010	1	08/07/2023 06:30	08/07/2023 16:34	M
cis-1,2-Dichloroethylene	0.00042 U	mg/Kg	0.0028	0.00042	1	08/07/2023 06:30	08/07/2023 16:34	M
cis-1,3-Dichloropropene	0.00034 U	mg/Kg	0.0028	0.00034	1	08/07/2023 06:30	08/07/2023 16:34	M
n-Butylbenzene	0.00066 U	mg/Kg	0.0028	0.00066	1	08/07/2023 06:30	08/07/2023 16:34	M
n-propylbenzene	0.00071 U	mg/Kg	0.0028	0.00071	1	08/07/2023 06:30	08/07/2023 16:34	M
sec-butylbenzene	0.00076 U	mg/Kg	0.0028	0.00076	1	08/07/2023 06:30	08/07/2023 16:34	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301005
Sample ID: MAG-2.05

Date Collected: 07/31/2023 18:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00066 U	mg/Kg	0.0028	0.00066	1	08/07/2023 06:30	08/07/2023 16:34	M
trans-1,2-Dichloroethylene	0.00044 U	mg/Kg	0.0028	0.00044	1	08/07/2023 06:30	08/07/2023 16:34	M
trans-1,3-Dichloropropylene	0.00036 U	mg/Kg	0.0028	0.00036	1	08/07/2023 06:30	08/07/2023 16:34	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46	48	105	69 - 134	M
Toluene-d8 (S)	ug/Kg	46	48	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	46	52	114	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301006	Date Collected: 07/31/2023 18:35			Matrix: Soil				
Sample ID: MAG-2.2	Date Received: 08/01/2023 15:30							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	2.8	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00038 U	mg/Kg	0.0028	0.00038	1	08/07/2023 06:30	08/07/2023 17:01	M
1,1,1-Trichloroethane	0.00050 U	mg/Kg	0.0028	0.00050	1	08/07/2023 06:30	08/07/2023 17:01	M
1,1,2,2-Tetrachloroethane	0.00080 U	mg/Kg	0.0028	0.00080	1	08/07/2023 06:30	08/07/2023 17:01	M
1,1,2-Trichloroethane	0.00030 U	mg/Kg	0.0028	0.00030	1	08/07/2023 06:30	08/07/2023 17:01	M
1,1-Dichloroethane	0.00039 U	mg/Kg	0.0028	0.00039	1	08/07/2023 06:30	08/07/2023 17:01	M
1,1-Dichloroethylene	0.00049 U	mg/Kg	0.0028	0.00049	1	08/07/2023 06:30	08/07/2023 17:01	M
1,1-Dichloropropene	0.00041 U	mg/Kg	0.0028	0.00041	1	08/07/2023 06:30	08/07/2023 17:01	M
1,2,3-Trichlorobenzene	0.00075 U	mg/Kg	0.0028	0.00075	1	08/07/2023 06:30	08/07/2023 17:01	M
1,2,3-Trichloropropane	0.00075 U	mg/Kg	0.0028	0.00075	1	08/07/2023 06:30	08/07/2023 17:01	M
1,2,4-Trichlorobenzene	0.00076 U	mg/Kg	0.0028	0.00076	1	08/07/2023 06:30	08/07/2023 17:01	M
1,2,4-Trimethylbenzene	0.00074 U	mg/Kg	0.0028	0.00074	1	08/07/2023 06:30	08/07/2023 17:01	M
1,2-Dibromo-3-Chloropropane	0.00057 U	mg/Kg	0.0028	0.00057	1	08/07/2023 06:30	08/07/2023 17:01	M
1,2-Dichlorobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 17:01	M
1,2-Dichloroethane	0.00034 U	mg/Kg	0.0028	0.00034	1	08/07/2023 06:30	08/07/2023 17:01	M
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0028	0.00054	1	08/07/2023 06:30	08/07/2023 17:01	M
1,3,5-Trimethylbenzene	0.00079 U	mg/Kg	0.0028	0.00079	1	08/07/2023 06:30	08/07/2023 17:01	M
1,3-Dichlorobenzene	0.00098 U	mg/Kg	0.0028	0.00098	1	08/07/2023 06:30	08/07/2023 17:01	M
1,3-Dichloropropane	0.00046 U	mg/Kg	0.0028	0.00046	1	08/07/2023 06:30	08/07/2023 17:01	M
1,4-Dichlorobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 17:01	M
2,2-Dichloropropane	0.00031 U	mg/Kg	0.0028	0.00031	1	08/07/2023 06:30	08/07/2023 17:01	M





FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301006
Sample ID: MAG-2.2

Date Collected: 07/31/2023 18:35
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/07/2023 17:01	M
2-Chloroethyl Vinyl Ether	0.0014 U	mg/Kg	0.0028	0.0014	1	08/07/2023 06:30	08/07/2023 17:01	M
2-Chlorotoluene	0.00071 U	mg/Kg	0.0028	0.00071	1	08/07/2023 06:30	08/07/2023 17:01	M
2-Hexanone	0.00054 U	mg/Kg	0.0028	0.00054	1	08/07/2023 06:30	08/07/2023 17:01	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/07/2023 17:01	M
4-Methyl-2-pentanone (MIBK)	0.00078 U	mg/Kg	0.0028	0.00078	1	08/07/2023 06:30	08/07/2023 17:01	M
Acetone	0.00098 U	mg/Kg	0.0028	0.00098	1	08/07/2023 06:30	08/07/2023 17:01	M
Acrolein (Propenal)	0.0074 U	mg/Kg	0.014	0.0074	1	08/07/2023 06:30	08/07/2023 17:01	M
Acrylonitrile	0.0012 U	mg/Kg	0.0028	0.0012	1	08/07/2023 06:30	08/07/2023 17:01	M
Benzene	0.00028 U	mg/Kg	0.0028	0.00028	1	08/07/2023 06:30	08/07/2023 17:01	M
Bromobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 17:01	M
Bromochloromethane	0.00060 U	mg/Kg	0.0028	0.00060	1	08/07/2023 06:30	08/07/2023 17:01	M
Bromodichloromethane	0.00071 U	mg/Kg	0.0028	0.00071	1	08/07/2023 06:30	08/07/2023 17:01	M
Bromoform	0.00083 U	mg/Kg	0.0028	0.00083	1	08/07/2023 06:30	08/07/2023 17:01	M
Bromomethane	0.0020 U	mg/Kg	0.0028	0.0020	1	08/07/2023 06:30	08/07/2023 17:01	M
Carbon Disulfide	0.00051 U	mg/Kg	0.0028	0.00051	1	08/07/2023 06:30	08/07/2023 17:01	M
Carbon Tetrachloride	0.00042 U	mg/Kg	0.0028	0.00042	1	08/07/2023 06:30	08/07/2023 17:01	M
Chlorobenzene	0.00035 U	mg/Kg	0.0028	0.00035	1	08/07/2023 06:30	08/07/2023 17:01	M
Chloroethane	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/07/2023 17:01	M
Chloroform	0.00045 U	mg/Kg	0.0028	0.00045	1	08/07/2023 06:30	08/07/2023 17:01	M
Chloromethane	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/07/2023 17:01	M
Dibromochloromethane	0.00040 U	mg/Kg	0.0028	0.00040	1	08/07/2023 06:30	08/07/2023 17:01	M
Dibromomethane	0.00054 U	mg/Kg	0.0028	0.00054	1	08/07/2023 06:30	08/07/2023 17:01	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301006
Sample ID: MAG-2.2

Date Collected: 07/31/2023 18:35
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00093 U	mg/Kg	0.0028	0.00093	1	08/07/2023 06:30	08/07/2023 17:01	M
Ethylbenzene	0.00036 U	mg/Kg	0.0028	0.00036	1	08/07/2023 06:30	08/07/2023 17:01	M
Ethylene Dibromide (EDB)	0.00052 U	mg/Kg	0.0028	0.00052	1	08/07/2023 06:30	08/07/2023 17:01	M
Hexachlorobutadiene	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/07/2023 17:01	M
Iodomethane (Methyl Iodide)	0.0020 U	mg/Kg	0.0028	0.0020	1	08/07/2023 06:30	08/07/2023 17:01	M
Isopropylbenzene	0.00064 U	mg/Kg	0.0028	0.00064	1	08/07/2023 06:30	08/07/2023 17:01	M
Methyl tert-butyl Ether (MTBE)	0.00041 U	mg/Kg	0.0028	0.00041	1	08/07/2023 06:30	08/07/2023 17:01	M
Methylene Chloride	0.0012 U	mg/Kg	0.0028	0.0012	1	08/07/2023 06:30	08/07/2023 17:01	M
Naphthalene	0.00063 U	mg/Kg	0.0028	0.00063	1	08/07/2023 06:30	08/07/2023 17:01	M
Styrene	0.00030 U	mg/Kg	0.0028	0.00030	1	08/07/2023 06:30	08/07/2023 17:01	M
Tetrachloroethylene (PCE)	0.00058 U	mg/Kg	0.0028	0.00058	1	08/07/2023 06:30	08/07/2023 17:01	M
Toluene	0.00044 U	mg/Kg	0.0028	0.00044	1	08/07/2023 06:30	08/07/2023 17:01	M
Trichloroethene	0.00055 U	mg/Kg	0.0028	0.00055	1	08/07/2023 06:30	08/07/2023 17:01	M
Trichlorofluoromethane	0.00039 U	mg/Kg	0.0028	0.00039	1	08/07/2023 06:30	08/07/2023 17:01	M
Vinyl Acetate	0.00042 U	mg/Kg	0.0028	0.00042	1	08/07/2023 06:30	08/07/2023 17:01	M
Vinyl Chloride	0.00048 U	mg/Kg	0.0028	0.00048	1	08/07/2023 06:30	08/07/2023 17:01	M
Xylene (Total)	0.0010 U	mg/Kg	0.0057	0.0010	1	08/07/2023 06:30	08/07/2023 17:01	M
cis-1,2-Dichloroethylene	0.00043 U	mg/Kg	0.0028	0.00043	1	08/07/2023 06:30	08/07/2023 17:01	M
cis-1,3-Dichloropropene	0.00034 U	mg/Kg	0.0028	0.00034	1	08/07/2023 06:30	08/07/2023 17:01	M
n-Butylbenzene	0.00066 U	mg/Kg	0.0028	0.00066	1	08/07/2023 06:30	08/07/2023 17:01	M
n-propylbenzene	0.00072 U	mg/Kg	0.0028	0.00072	1	08/07/2023 06:30	08/07/2023 17:01	M
sec-butylbenzene	0.00077 U	mg/Kg	0.0028	0.00077	1	08/07/2023 06:30	08/07/2023 17:01	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301006
Sample ID: MAG-2.2

Date Collected: 07/31/2023 18:35
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00066 U	mg/Kg	0.0028	0.00066	1	08/07/2023 06:30	08/07/2023 17:01	M
trans-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0028	0.00045	1	08/07/2023 06:30	08/07/2023 17:01	M
trans-1,3-Dichloropropylene	0.00036 U	mg/Kg	0.0028	0.00036	1	08/07/2023 06:30	08/07/2023 17:01	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46	50	108	69 - 134	M
Toluene-d8 (S)	ug/Kg	46	49	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	46	52	113	79 - 126	M

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Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID:	M2304301007	Date Collected:	07/31/2023 18:40			Matrix:	Soil	
Sample ID:	MAG-2.4	Date Received:	08/01/2023 15:30					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	0.75	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0031	0.00041	1	08/07/2023 06:30	08/07/2023 17:28	M
1,1,1-Trichloroethane	0.00054 U	mg/Kg	0.0031	0.00054	1	08/07/2023 06:30	08/07/2023 17:28	M
1,1,2,2-Tetrachloroethane	0.00087 U	mg/Kg	0.0031	0.00087	1	08/07/2023 06:30	08/07/2023 17:28	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/07/2023 06:30	08/07/2023 17:28	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/07/2023 06:30	08/07/2023 17:28	M
1,1-Dichloroethylene	0.00053 U	mg/Kg	0.0031	0.00053	1	08/07/2023 06:30	08/07/2023 17:28	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0031	0.00044	1	08/07/2023 06:30	08/07/2023 17:28	M
1,2,3-Trichlorobenzene	0.00081 U	mg/Kg	0.0031	0.00081	1	08/07/2023 06:30	08/07/2023 17:28	M
1,2,3-Trichloropropane	0.00081 U	mg/Kg	0.0031	0.00081	1	08/07/2023 06:30	08/07/2023 17:28	M
1,2,4-Trichlorobenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/07/2023 06:30	08/07/2023 17:28	M
1,2,4-Trimethylbenzene	0.00080 U	mg/Kg	0.0031	0.00080	1	08/07/2023 06:30	08/07/2023 17:28	M
1,2-Dibromo-3-Chloropropane	0.00061 U	mg/Kg	0.0031	0.00061	1	08/07/2023 06:30	08/07/2023 17:28	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 17:28	M
1,2-Dichloroethane	0.00037 U	mg/Kg	0.0031	0.00037	1	08/07/2023 06:30	08/07/2023 17:28	M
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/07/2023 06:30	08/07/2023 17:28	M
1,3,5-Trimethylbenzene	0.00085 U	mg/Kg	0.0031	0.00085	1	08/07/2023 06:30	08/07/2023 17:28	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 17:28	M
1,3-Dichloropropane	0.00050 U	mg/Kg	0.0031	0.00050	1	08/07/2023 06:30	08/07/2023 17:28	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 17:28	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/07/2023 06:30	08/07/2023 17:28	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301007
Sample ID: MAG-2.4

Date Collected: 07/31/2023 18:40
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 06:30	08/07/2023 17:28	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0031	0.0015	1	08/07/2023 06:30	08/07/2023 17:28	M
2-Chlorotoluene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/07/2023 06:30	08/07/2023 17:28	M
2-Hexanone	0.00058 U	mg/Kg	0.0031	0.00058	1	08/07/2023 06:30	08/07/2023 17:28	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 06:30	08/07/2023 17:28	M
4-Methyl-2-pentanone (MIBK)	0.00084 U	mg/Kg	0.0031	0.00084	1	08/07/2023 06:30	08/07/2023 17:28	M
Acetone	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 17:28	M
Acrolein (Propenal)	0.0080 U	mg/Kg	0.015	0.0080	1	08/07/2023 06:30	08/07/2023 17:28	M
Acrylonitrile	0.0013 U	mg/Kg	0.0031	0.0013	1	08/07/2023 06:30	08/07/2023 17:28	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/07/2023 06:30	08/07/2023 17:28	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 17:28	M
Bromochloromethane	0.00064 U	mg/Kg	0.0031	0.00064	1	08/07/2023 06:30	08/07/2023 17:28	M
Bromodichloromethane	0.00077 U	mg/Kg	0.0031	0.00077	1	08/07/2023 06:30	08/07/2023 17:28	M
Bromoform	0.00090 U	mg/Kg	0.0031	0.00090	1	08/07/2023 06:30	08/07/2023 17:28	M
Bromomethane	0.0021 U	mg/Kg	0.0031	0.0021	1	08/07/2023 06:30	08/07/2023 17:28	M
Carbon Disulfide	0.00055 U	mg/Kg	0.0031	0.00055	1	08/07/2023 06:30	08/07/2023 17:28	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0031	0.00045	1	08/07/2023 06:30	08/07/2023 17:28	M
Chlorobenzene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/07/2023 06:30	08/07/2023 17:28	M
Chloroethane	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 06:30	08/07/2023 17:28	M
Chloroform	0.00049 U	mg/Kg	0.0031	0.00049	1	08/07/2023 06:30	08/07/2023 17:28	M
Chloromethane	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 06:30	08/07/2023 17:28	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/07/2023 06:30	08/07/2023 17:28	M
Dibromomethane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/07/2023 06:30	08/07/2023 17:28	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/07/2023 06:30	08/07/2023 17:28	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301007
Sample ID: MAG-2.4

Date Collected: 07/31/2023 18:40
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/07/2023 06:30	08/07/2023 17:28	M
Ethylene Dibromide (EDB)	0.00056 U	mg/Kg	0.0031	0.00056	1	08/07/2023 06:30	08/07/2023 17:28	M
Hexachlorobutadiene	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 06:30	08/07/2023 17:28	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0031	0.0021	1	08/07/2023 06:30	08/07/2023 17:28	M
Isopropylbenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/07/2023 06:30	08/07/2023 17:28	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0031	0.00044	1	08/07/2023 06:30	08/07/2023 17:28	M
Methylene Chloride	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 06:30	08/07/2023 17:28	M
Naphthalene	0.00068 U	mg/Kg	0.0031	0.00068	1	08/07/2023 06:30	08/07/2023 17:28	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/07/2023 06:30	08/07/2023 17:28	M
Tetrachloroethylene (PCE)	0.00062 U	mg/Kg	0.0031	0.00062	1	08/07/2023 06:30	08/07/2023 17:28	M
Toluene	0.00047 U	mg/Kg	0.0031	0.00047	1	08/07/2023 06:30	08/07/2023 17:28	M
Trichloroethene	0.00059 U	mg/Kg	0.0031	0.00059	1	08/07/2023 06:30	08/07/2023 17:28	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/07/2023 06:30	08/07/2023 17:28	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0031	0.00045	1	08/07/2023 06:30	08/07/2023 17:28	M
Vinyl Chloride	0.00052 U	mg/Kg	0.0031	0.00052	1	08/07/2023 06:30	08/07/2023 17:28	M
Xylene (Total)	0.0011 U	mg/Kg	0.0061	0.0011	1	08/07/2023 06:30	08/07/2023 17:28	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0031	0.00046	1	08/07/2023 06:30	08/07/2023 17:28	M
cis-1,3-Dichloropropene	0.00037 U	mg/Kg	0.0031	0.00037	1	08/07/2023 06:30	08/07/2023 17:28	M
n-Butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/07/2023 06:30	08/07/2023 17:28	M
n-propylbenzene	0.00078 U	mg/Kg	0.0031	0.00078	1	08/07/2023 06:30	08/07/2023 17:28	M
sec-butylbenzene	0.00083 U	mg/Kg	0.0031	0.00083	1	08/07/2023 06:30	08/07/2023 17:28	M
tert-butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/07/2023 06:30	08/07/2023 17:28	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301007
Sample ID: MAG-2.4

Date Collected: 07/31/2023 18:40
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/07/2023 06:30	08/07/2023 17:28	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/07/2023 06:30	08/07/2023 17:28	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51	57	113	69 - 134	M
Toluene-d8 (S)	ug/Kg	51	53	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	51	58	114	79 - 126	M

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Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301008	Date Collected: 07/31/2023 18:45			Matrix: Soil				
Sample ID: MAG-2.6	Date Received: 08/01/2023 15:30							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	0.70	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0031	0.00041	1	08/07/2023 06:30	08/07/2023 17:56	M
1,1,1-Trichloroethane	0.00055 U	mg/Kg	0.0031	0.00055	1	08/07/2023 06:30	08/07/2023 17:56	M
1,1,2,2-Tetrachloroethane	0.00088 U	mg/Kg	0.0031	0.00088	1	08/07/2023 06:30	08/07/2023 17:56	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/07/2023 06:30	08/07/2023 17:56	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/07/2023 06:30	08/07/2023 17:56	M
1,1-Dichloroethylene	0.00054 U	mg/Kg	0.0031	0.00054	1	08/07/2023 06:30	08/07/2023 17:56	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0031	0.00044	1	08/07/2023 06:30	08/07/2023 17:56	M
1,2,3-Trichlorobenzene	0.00081 U	mg/Kg	0.0031	0.00081	1	08/07/2023 06:30	08/07/2023 17:56	M
1,2,3-Trichloropropane	0.00081 U	mg/Kg	0.0031	0.00081	1	08/07/2023 06:30	08/07/2023 17:56	M
1,2,4-Trichlorobenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/07/2023 06:30	08/07/2023 17:56	M
1,2,4-Trimethylbenzene	0.00080 U	mg/Kg	0.0031	0.00080	1	08/07/2023 06:30	08/07/2023 17:56	M
1,2-Dibromo-3-Chloropropane	0.00062 U	mg/Kg	0.0031	0.00062	1	08/07/2023 06:30	08/07/2023 17:56	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 17:56	M
1,2-Dichloroethane	0.00037 U	mg/Kg	0.0031	0.00037	1	08/07/2023 06:30	08/07/2023 17:56	M
1,2-Dichloropropane	0.00059 U	mg/Kg	0.0031	0.00059	1	08/07/2023 06:30	08/07/2023 17:56	M
1,3,5-Trimethylbenzene	0.00085 U	mg/Kg	0.0031	0.00085	1	08/07/2023 06:30	08/07/2023 17:56	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 17:56	M
1,3-Dichloropropane	0.00050 U	mg/Kg	0.0031	0.00050	1	08/07/2023 06:30	08/07/2023 17:56	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 17:56	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/07/2023 06:30	08/07/2023 17:56	M





FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301008	Date Collected: 07/31/2023 18:45				Matrix: Soil			
Sample ID: MAG-2.6	Date Received: 08/01/2023 15:30							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 06:30	08/07/2023 17:56	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0031	0.0015	1	08/07/2023 06:30	08/07/2023 17:56	M
2-Chlorotoluene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/07/2023 06:30	08/07/2023 17:56	M
2-Hexanone	0.00059 U	mg/Kg	0.0031	0.00059	1	08/07/2023 06:30	08/07/2023 17:56	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 06:30	08/07/2023 17:56	M
4-Methyl-2-pentanone (MIBK)	0.00084 U	mg/Kg	0.0031	0.00084	1	08/07/2023 06:30	08/07/2023 17:56	M
Acetone	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 17:56	M
Acrolein (Propenal)	0.0080 U	mg/Kg	0.015	0.0080	1	08/07/2023 06:30	08/07/2023 17:56	M
Acrylonitrile	0.0013 U	mg/Kg	0.0031	0.0013	1	08/07/2023 06:30	08/07/2023 17:56	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/07/2023 06:30	08/07/2023 17:56	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 17:56	M
Bromochloromethane	0.00065 U	mg/Kg	0.0031	0.00065	1	08/07/2023 06:30	08/07/2023 17:56	M
Bromodichloromethane	0.00077 U	mg/Kg	0.0031	0.00077	1	08/07/2023 06:30	08/07/2023 17:56	M
Bromoform	0.00091 U	mg/Kg	0.0031	0.00091	1	08/07/2023 06:30	08/07/2023 17:56	M
Bromomethane	0.0022 U	mg/Kg	0.0031	0.0022	1	08/07/2023 06:30	08/07/2023 17:56	M
Carbon Disulfide	0.00056 U	mg/Kg	0.0031	0.00056	1	08/07/2023 06:30	08/07/2023 17:56	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0031	0.00045	1	08/07/2023 06:30	08/07/2023 17:56	M
Chlorobenzene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/07/2023 06:30	08/07/2023 17:56	M
Chloroethane	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 06:30	08/07/2023 17:56	M
Chloroform	0.00049 U	mg/Kg	0.0031	0.00049	1	08/07/2023 06:30	08/07/2023 17:56	M
Chloromethane	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 06:30	08/07/2023 17:56	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/07/2023 06:30	08/07/2023 17:56	M
Dibromomethane	0.00059 U	mg/Kg	0.0031	0.00059	1	08/07/2023 06:30	08/07/2023 17:56	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/07/2023 06:30	08/07/2023 17:56	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301008
Sample ID: MAG-2.6

Date Collected: 07/31/2023 18:45
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/07/2023 06:30	08/07/2023 17:56	M
Ethylene Dibromide (EDB)	0.00057 U	mg/Kg	0.0031	0.00057	1	08/07/2023 06:30	08/07/2023 17:56	M
Hexachlorobutadiene	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 06:30	08/07/2023 17:56	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0031	0.0021	1	08/07/2023 06:30	08/07/2023 17:56	M
Isopropylbenzene	0.00070 U	mg/Kg	0.0031	0.00070	1	08/07/2023 06:30	08/07/2023 17:56	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0031	0.00044	1	08/07/2023 06:30	08/07/2023 17:56	M
Methylene Chloride	0.0013 U	mg/Kg	0.0031	0.0013	1	08/07/2023 06:30	08/07/2023 17:56	M
Naphthalene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/07/2023 06:30	08/07/2023 17:56	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/07/2023 06:30	08/07/2023 17:56	M
Tetrachloroethylene (PCE)	0.00063 U	mg/Kg	0.0031	0.00063	1	08/07/2023 06:30	08/07/2023 17:56	M
Toluene	0.00047 U	mg/Kg	0.0031	0.00047	1	08/07/2023 06:30	08/07/2023 17:56	M
Trichloroethene	0.00060 U	mg/Kg	0.0031	0.00060	1	08/07/2023 06:30	08/07/2023 17:56	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/07/2023 06:30	08/07/2023 17:56	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0031	0.00045	1	08/07/2023 06:30	08/07/2023 17:56	M
Vinyl Chloride	0.00053 U	mg/Kg	0.0031	0.00053	1	08/07/2023 06:30	08/07/2023 17:56	M
Xylene (Total)	0.0011 U	mg/Kg	0.0062	0.0011	1	08/07/2023 06:30	08/07/2023 17:56	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0031	0.00046	1	08/07/2023 06:30	08/07/2023 17:56	M
cis-1,3-Dichloropropene	0.00037 U	mg/Kg	0.0031	0.00037	1	08/07/2023 06:30	08/07/2023 17:56	M
n-Butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/07/2023 06:30	08/07/2023 17:56	M
n-propylbenzene	0.00078 U	mg/Kg	0.0031	0.00078	1	08/07/2023 06:30	08/07/2023 17:56	M
sec-butylbenzene	0.00083 U	mg/Kg	0.0031	0.00083	1	08/07/2023 06:30	08/07/2023 17:56	M
tert-butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/07/2023 06:30	08/07/2023 17:56	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301008
Sample ID: MAG-2.6

Date Collected: 07/31/2023 18:45
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/07/2023 06:30	08/07/2023 17:56	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/07/2023 06:30	08/07/2023 17:56	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51	54	105	69 - 134	M
Toluene-d8 (S)	ug/Kg	51	54	106	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	51	56	110	79 - 126	M

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Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301009	Date Collected: 07/31/2023 14:30				Matrix: Soil			
Sample ID: MAG-3.05	Date Received: 08/01/2023 15:30							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	0.19	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00038 U	mg/Kg	0.0028	0.00038	1	08/07/2023 06:30	08/07/2023 18:23	M
1,1,1-Trichloroethane	0.00050 U	mg/Kg	0.0028	0.00050	1	08/07/2023 06:30	08/07/2023 18:23	M
1,1,2,2-Tetrachloroethane	0.00080 U	mg/Kg	0.0028	0.00080	1	08/07/2023 06:30	08/07/2023 18:23	M
1,1,2-Trichloroethane	0.00030 U	mg/Kg	0.0028	0.00030	1	08/07/2023 06:30	08/07/2023 18:23	M
1,1-Dichloroethane	0.00039 U	mg/Kg	0.0028	0.00039	1	08/07/2023 06:30	08/07/2023 18:23	M
1,1-Dichloroethylene	0.00049 U	mg/Kg	0.0028	0.00049	1	08/07/2023 06:30	08/07/2023 18:23	M
1,1-Dichloropropene	0.00041 U	mg/Kg	0.0028	0.00041	1	08/07/2023 06:30	08/07/2023 18:23	M
1,2,3-Trichlorobenzene	0.00075 U	mg/Kg	0.0028	0.00075	1	08/07/2023 06:30	08/07/2023 18:23	M
1,2,3-Trichloropropane	0.00074 U	mg/Kg	0.0028	0.00074	1	08/07/2023 06:30	08/07/2023 18:23	M
1,2,4-Trichlorobenzene	0.00076 U	mg/Kg	0.0028	0.00076	1	08/07/2023 06:30	08/07/2023 18:23	M
1,2,4-Trimethylbenzene	0.00074 U	mg/Kg	0.0028	0.00074	1	08/07/2023 06:30	08/07/2023 18:23	M
1,2-Dibromo-3-Chloropropane	0.00057 U	mg/Kg	0.0028	0.00057	1	08/07/2023 06:30	08/07/2023 18:23	M
1,2-Dichlorobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 18:23	M
1,2-Dichloroethane	0.00034 U	mg/Kg	0.0028	0.00034	1	08/07/2023 06:30	08/07/2023 18:23	M
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0028	0.00054	1	08/07/2023 06:30	08/07/2023 18:23	M
1,3,5-Trimethylbenzene	0.00078 U	mg/Kg	0.0028	0.00078	1	08/07/2023 06:30	08/07/2023 18:23	M
1,3-Dichlorobenzene	0.00097 U	mg/Kg	0.0028	0.00097	1	08/07/2023 06:30	08/07/2023 18:23	M
1,3-Dichloropropane	0.00046 U	mg/Kg	0.0028	0.00046	1	08/07/2023 06:30	08/07/2023 18:23	M
1,4-Dichlorobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 18:23	M
2,2-Dichloropropane	0.00031 U	mg/Kg	0.0028	0.00031	1	08/07/2023 06:30	08/07/2023 18:23	M





FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301009
Sample ID: MAG-3.05

Date Collected: 07/31/2023 14:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/07/2023 18:23	M
2-Chloroethyl Vinyl Ether	0.0014 U	mg/Kg	0.0028	0.0014	1	08/07/2023 06:30	08/07/2023 18:23	M
2-Chlorotoluene	0.00071 U	mg/Kg	0.0028	0.00071	1	08/07/2023 06:30	08/07/2023 18:23	M
2-Hexanone	0.00054 U	mg/Kg	0.0028	0.00054	1	08/07/2023 06:30	08/07/2023 18:23	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/07/2023 18:23	M
4-Methyl-2-pentanone (MIBK)	0.00078 U	mg/Kg	0.0028	0.00078	1	08/07/2023 06:30	08/07/2023 18:23	M
Acetone	0.00097 U	mg/Kg	0.0028	0.00097	1	08/07/2023 06:30	08/07/2023 18:23	M
Acrolein (Propenal)	0.0074 U	mg/Kg	0.014	0.0074	1	08/07/2023 06:30	08/07/2023 18:23	M
Acrylonitrile	0.0012 U	mg/Kg	0.0028	0.0012	1	08/07/2023 06:30	08/07/2023 18:23	M
Benzene	0.00028 U	mg/Kg	0.0028	0.00028	1	08/07/2023 06:30	08/07/2023 18:23	M
Bromobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 18:23	M
Bromochloromethane	0.00060 U	mg/Kg	0.0028	0.00060	1	08/07/2023 06:30	08/07/2023 18:23	M
Bromodichloromethane	0.00071 U	mg/Kg	0.0028	0.00071	1	08/07/2023 06:30	08/07/2023 18:23	M
Bromoform	0.00083 U	mg/Kg	0.0028	0.00083	1	08/07/2023 06:30	08/07/2023 18:23	M
Bromomethane	0.0020 U	mg/Kg	0.0028	0.0020	1	08/07/2023 06:30	08/07/2023 18:23	M
Carbon Disulfide	0.00051 U	mg/Kg	0.0028	0.00051	1	08/07/2023 06:30	08/07/2023 18:23	M
Carbon Tetrachloride	0.00042 U	mg/Kg	0.0028	0.00042	1	08/07/2023 06:30	08/07/2023 18:23	M
Chlorobenzene	0.00035 U	mg/Kg	0.0028	0.00035	1	08/07/2023 06:30	08/07/2023 18:23	M
Chloroethane	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/07/2023 18:23	M
Chloroform	0.00045 U	mg/Kg	0.0028	0.00045	1	08/07/2023 06:30	08/07/2023 18:23	M
Chloromethane	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/07/2023 18:23	M
Dibromochloromethane	0.00040 U	mg/Kg	0.0028	0.00040	1	08/07/2023 06:30	08/07/2023 18:23	M
Dibromomethane	0.00054 U	mg/Kg	0.0028	0.00054	1	08/07/2023 06:30	08/07/2023 18:23	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301009
Sample ID: MAG-3.05

Date Collected: 07/31/2023 14:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00093 U	mg/Kg	0.0028	0.00093	1	08/07/2023 06:30	08/07/2023 18:23	M
Ethylbenzene	0.00036 U	mg/Kg	0.0028	0.00036	1	08/07/2023 06:30	08/07/2023 18:23	M
Ethylene Dibromide (EDB)	0.00052 U	mg/Kg	0.0028	0.00052	1	08/07/2023 06:30	08/07/2023 18:23	M
Hexachlorobutadiene	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/07/2023 18:23	M
Iodomethane (Methyl Iodide)	0.0019 U	mg/Kg	0.0028	0.0019	1	08/07/2023 06:30	08/07/2023 18:23	M
Isopropylbenzene	0.00064 U	mg/Kg	0.0028	0.00064	1	08/07/2023 06:30	08/07/2023 18:23	M
Methyl tert-butyl Ether (MTBE)	0.00041 U	mg/Kg	0.0028	0.00041	1	08/07/2023 06:30	08/07/2023 18:23	M
Methylene Chloride	0.0012 U	mg/Kg	0.0028	0.0012	1	08/07/2023 06:30	08/07/2023 18:23	M
Naphthalene	0.00063 U	mg/Kg	0.0028	0.00063	1	08/07/2023 06:30	08/07/2023 18:23	M
Styrene	0.00030 U	mg/Kg	0.0028	0.00030	1	08/07/2023 06:30	08/07/2023 18:23	M
Tetrachloroethylene (PCE)	0.0014 U	mg/Kg	0.0028	0.00058	1	08/07/2023 06:30	08/07/2023 18:23	M
Toluene	0.00043 U	mg/Kg	0.0028	0.00043	1	08/07/2023 06:30	08/07/2023 18:23	M
Trichloroethene	0.00055 U	mg/Kg	0.0028	0.00055	1	08/07/2023 06:30	08/07/2023 18:23	M
Trichlorofluoromethane	0.00039 U	mg/Kg	0.0028	0.00039	1	08/07/2023 06:30	08/07/2023 18:23	M
Vinyl Acetate	0.00042 U	mg/Kg	0.0028	0.00042	1	08/07/2023 06:30	08/07/2023 18:23	M
Vinyl Chloride	0.00048 U	mg/Kg	0.0028	0.00048	1	08/07/2023 06:30	08/07/2023 18:23	M
Xylene (Total)	0.0010 U	mg/Kg	0.0057	0.0010	1	08/07/2023 06:30	08/07/2023 18:23	M
cis-1,2-Dichloroethylene	0.00043 U	mg/Kg	0.0028	0.00043	1	08/07/2023 06:30	08/07/2023 18:23	M
cis-1,3-Dichloropropene	0.00034 U	mg/Kg	0.0028	0.00034	1	08/07/2023 06:30	08/07/2023 18:23	M
n-Butylbenzene	0.00066 U	mg/Kg	0.0028	0.00066	1	08/07/2023 06:30	08/07/2023 18:23	M
n-propylbenzene	0.00072 U	mg/Kg	0.0028	0.00072	1	08/07/2023 06:30	08/07/2023 18:23	M
sec-butylbenzene	0.00077 U	mg/Kg	0.0028	0.00077	1	08/07/2023 06:30	08/07/2023 18:23	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301009
Sample ID: MAG-3.05

Date Collected: 07/31/2023 14:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00066 U	mg/Kg	0.0028	0.00066	1	08/07/2023 06:30	08/07/2023 18:23	M
trans-1,2-Dichloroethylene	0.00044 U	mg/Kg	0.0028	0.00044	1	08/07/2023 06:30	08/07/2023 18:23	M
trans-1,3-Dichloropropylene	0.00036 U	mg/Kg	0.0028	0.00036	1	08/07/2023 06:30	08/07/2023 18:23	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	47	52	110	69 - 134	M
Toluene-d8 (S)	ug/Kg	47	49	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	47	51	109	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301010
Sample ID: MAG-3.2

Date Collected: 07/31/2023 14:35
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	1.2	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00040 U	mg/Kg	0.0030	0.00040	1	08/07/2023 06:30	08/07/2023 18:50	M
1,1,1-Trichloroethane	0.00053 U	mg/Kg	0.0030	0.00053	1	08/07/2023 06:30	08/07/2023 18:50	M
1,1,2,2-Tetrachloroethane	0.00085 U	mg/Kg	0.0030	0.00085	1	08/07/2023 06:30	08/07/2023 18:50	M
1,1,2-Trichloroethane	0.00032 U	mg/Kg	0.0030	0.00032	1	08/07/2023 06:30	08/07/2023 18:50	M
1,1-Dichloroethane	0.00041 U	mg/Kg	0.0030	0.00041	1	08/07/2023 06:30	08/07/2023 18:50	M
1,1-Dichloroethylene	0.00052 U	mg/Kg	0.0030	0.00052	1	08/07/2023 06:30	08/07/2023 18:50	M
1,1-Dichloropropene	0.00043 U	mg/Kg	0.0030	0.00043	1	08/07/2023 06:30	08/07/2023 18:50	M
1,2,3-Trichlorobenzene	0.00079 U	mg/Kg	0.0030	0.00079	1	08/07/2023 06:30	08/07/2023 18:50	M
1,2,3-Trichloropropane	0.00079 U	mg/Kg	0.0030	0.00079	1	08/07/2023 06:30	08/07/2023 18:50	M
1,2,4-Trichlorobenzene	0.00080 U	mg/Kg	0.0030	0.00080	1	08/07/2023 06:30	08/07/2023 18:50	M
1,2,4-Trimethylbenzene	0.00078 U	mg/Kg	0.0030	0.00078	1	08/07/2023 06:30	08/07/2023 18:50	M
1,2-Dibromo-3-Chloropropane	0.00060 U	mg/Kg	0.0030	0.00060	1	08/07/2023 06:30	08/07/2023 18:50	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/07/2023 18:50	M
1,2-Dichloroethane	0.00036 U	mg/Kg	0.0030	0.00036	1	08/07/2023 06:30	08/07/2023 18:50	M
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0030	0.00057	1	08/07/2023 06:30	08/07/2023 18:50	M
1,3,5-Trimethylbenzene	0.00083 U	mg/Kg	0.0030	0.00083	1	08/07/2023 06:30	08/07/2023 18:50	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0030	0.0010	1	08/07/2023 06:30	08/07/2023 18:50	M
1,3-Dichloropropane	0.00049 U	mg/Kg	0.0030	0.00049	1	08/07/2023 06:30	08/07/2023 18:50	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/07/2023 18:50	M
2,2-Dichloropropane	0.00033 U	mg/Kg	0.0030	0.00033	1	08/07/2023 06:30	08/07/2023 18:50	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301010
Sample ID: MAG-3.2

Date Collected: 07/31/2023 14:35
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00074 U	mg/Kg	0.0030	0.00074	1	08/07/2023 06:30	08/07/2023 18:50	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	1	08/07/2023 06:30	08/07/2023 18:50	M
2-Chlorotoluene	0.00075 U	mg/Kg	0.0030	0.00075	1	08/07/2023 06:30	08/07/2023 18:50	M
2-Hexanone	0.00057 U	mg/Kg	0.0030	0.00057	1	08/07/2023 06:30	08/07/2023 18:50	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/07/2023 18:50	M
4-Methyl-2-pentanone (MIBK)	0.00082 U	mg/Kg	0.0030	0.00082	1	08/07/2023 06:30	08/07/2023 18:50	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	1	08/07/2023 06:30	08/07/2023 18:50	M
Acrolein (Propenal)	0.0078 U	mg/Kg	0.015	0.0078	1	08/07/2023 06:30	08/07/2023 18:50	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	1	08/07/2023 06:30	08/07/2023 18:50	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	1	08/07/2023 06:30	08/07/2023 18:50	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/07/2023 18:50	M
Bromochloromethane	0.00063 U	mg/Kg	0.0030	0.00063	1	08/07/2023 06:30	08/07/2023 18:50	M
Bromodichloromethane	0.00075 U	mg/Kg	0.0030	0.00075	1	08/07/2023 06:30	08/07/2023 18:50	M
Bromoform	0.00088 U	mg/Kg	0.0030	0.00088	1	08/07/2023 06:30	08/07/2023 18:50	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	1	08/07/2023 06:30	08/07/2023 18:50	M
Carbon Disulfide	0.00054 U	mg/Kg	0.0030	0.00054	1	08/07/2023 06:30	08/07/2023 18:50	M
Carbon Tetrachloride	0.00044 U	mg/Kg	0.0030	0.00044	1	08/07/2023 06:30	08/07/2023 18:50	M
Chlorobenzene	0.00037 U	mg/Kg	0.0030	0.00037	1	08/07/2023 06:30	08/07/2023 18:50	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/07/2023 18:50	M
Chloroform	0.00048 U	mg/Kg	0.0030	0.00048	1	08/07/2023 06:30	08/07/2023 18:50	M
Chloromethane	0.00074 U	mg/Kg	0.0030	0.00074	1	08/07/2023 06:30	08/07/2023 18:50	M
Dibromochloromethane	0.00042 U	mg/Kg	0.0030	0.00042	1	08/07/2023 06:30	08/07/2023 18:50	M
Dibromomethane	0.00057 U	mg/Kg	0.0030	0.00057	1	08/07/2023 06:30	08/07/2023 18:50	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301010
Sample ID: MAG-3.2

Date Collected: 07/31/2023 14:35
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00098 U	mg/Kg	0.0030	0.00098	1	08/07/2023 06:30	08/07/2023 18:50	M
Ethylbenzene	0.00038 U	mg/Kg	0.0030	0.00038	1	08/07/2023 06:30	08/07/2023 18:50	M
Ethylene Dibromide (EDB)	0.00055 U	mg/Kg	0.0030	0.00055	1	08/07/2023 06:30	08/07/2023 18:50	M
Hexachlorobutadiene	0.00074 U	mg/Kg	0.0030	0.00074	1	08/07/2023 06:30	08/07/2023 18:50	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	1	08/07/2023 06:30	08/07/2023 18:50	M
Isopropylbenzene	0.00068 U	mg/Kg	0.0030	0.00068	1	08/07/2023 06:30	08/07/2023 18:50	M
Methyl tert-butyl Ether (MTBE)	0.00043 U	mg/Kg	0.0030	0.00043	1	08/07/2023 06:30	08/07/2023 18:50	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	1	08/07/2023 06:30	08/07/2023 18:50	M
Naphthalene	0.00067 U	mg/Kg	0.0030	0.00067	1	08/07/2023 06:30	08/07/2023 18:50	M
Styrene	0.00032 U	mg/Kg	0.0030	0.00032	1	08/07/2023 06:30	08/07/2023 18:50	M
Tetrachloroethylene (PCE)	0.00061 U	mg/Kg	0.0030	0.00061	1	08/07/2023 06:30	08/07/2023 18:50	M
Toluene	0.00046 U	mg/Kg	0.0030	0.00046	1	08/07/2023 06:30	08/07/2023 18:50	M
Trichloroethene	0.00058 U	mg/Kg	0.0030	0.00058	1	08/07/2023 06:30	08/07/2023 18:50	M
Trichlorofluoromethane	0.00041 U	mg/Kg	0.0030	0.00041	1	08/07/2023 06:30	08/07/2023 18:50	M
Vinyl Acetate	0.00044 U	mg/Kg	0.0030	0.00044	1	08/07/2023 06:30	08/07/2023 18:50	M
Vinyl Chloride	0.00051 U	mg/Kg	0.0030	0.00051	1	08/07/2023 06:30	08/07/2023 18:50	M
Xylene (Total)	0.0011 U	mg/Kg	0.0060	0.0011	1	08/07/2023 06:30	08/07/2023 18:50	M
cis-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0030	0.00045	1	08/07/2023 06:30	08/07/2023 18:50	M
cis-1,3-Dichloropropene	0.00036 U	mg/Kg	0.0030	0.00036	1	08/07/2023 06:30	08/07/2023 18:50	M
n-Butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	1	08/07/2023 06:30	08/07/2023 18:50	M
n-propylbenzene	0.00076 U	mg/Kg	0.0030	0.00076	1	08/07/2023 06:30	08/07/2023 18:50	M
sec-butylbenzene	0.00081 U	mg/Kg	0.0030	0.00081	1	08/07/2023 06:30	08/07/2023 18:50	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301010
Sample ID: MAG-3.2

Date Collected: 07/31/2023 14:35
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	1	08/07/2023 06:30	08/07/2023 18:50	M
trans-1,2-Dichloroethylene	0.00047 U	mg/Kg	0.0030	0.00047	1	08/07/2023 06:30	08/07/2023 18:50	M
trans-1,3-Dichloropropylene	0.00038 U	mg/Kg	0.0030	0.00038	1	08/07/2023 06:30	08/07/2023 18:50	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	55	111	69 - 134	M
Toluene-d8 (S)	ug/Kg	50	52	106	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	50	55	111	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301011
Sample ID: MAG-3.4

Date Collected: 07/31/2023 14:40
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	1.1	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0031	0.00041	1	08/07/2023 06:30	08/07/2023 19:17	M
1,1,1-Trichloroethane	0.00055 U	mg/Kg	0.0031	0.00055	1	08/07/2023 06:30	08/07/2023 19:17	M
1,1,2,2-Tetrachloroethane	0.00088 U	mg/Kg	0.0031	0.00088	1	08/07/2023 06:30	08/07/2023 19:17	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/07/2023 06:30	08/07/2023 19:17	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/07/2023 06:30	08/07/2023 19:17	M
1,1-Dichloroethylene	0.00054 U	mg/Kg	0.0031	0.00054	1	08/07/2023 06:30	08/07/2023 19:17	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0031	0.00044	1	08/07/2023 06:30	08/07/2023 19:17	M
1,2,3-Trichlorobenzene	0.00081 U	mg/Kg	0.0031	0.00081	1	08/07/2023 06:30	08/07/2023 19:17	M
1,2,3-Trichloropropane	0.00081 U	mg/Kg	0.0031	0.00081	1	08/07/2023 06:30	08/07/2023 19:17	M
1,2,4-Trichlorobenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/07/2023 06:30	08/07/2023 19:17	M
1,2,4-Trimethylbenzene	0.00080 U	mg/Kg	0.0031	0.00080	1	08/07/2023 06:30	08/07/2023 19:17	M
1,2-Dibromo-3-Chloropropane	0.00062 U	mg/Kg	0.0031	0.00062	1	08/07/2023 06:30	08/07/2023 19:17	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 19:17	M
1,2-Dichloroethane	0.00037 U	mg/Kg	0.0031	0.00037	1	08/07/2023 06:30	08/07/2023 19:17	M
1,2-Dichloropropane	0.00059 U	mg/Kg	0.0031	0.00059	1	08/07/2023 06:30	08/07/2023 19:17	M
1,3,5-Trimethylbenzene	0.00085 U	mg/Kg	0.0031	0.00085	1	08/07/2023 06:30	08/07/2023 19:17	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 19:17	M
1,3-Dichloropropane	0.00050 U	mg/Kg	0.0031	0.00050	1	08/07/2023 06:30	08/07/2023 19:17	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 19:17	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/07/2023 06:30	08/07/2023 19:17	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301011
Sample ID: MAG-3.4

Date Collected: 07/31/2023 14:40
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.020	mg/Kg	0.0031	0.00076	1	08/07/2023 06:30	08/07/2023 19:17	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0031	0.0015	1	08/07/2023 06:30	08/07/2023 19:17	M
2-Chlorotoluene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/07/2023 06:30	08/07/2023 19:17	M
2-Hexanone	0.00059 U	mg/Kg	0.0031	0.00059	1	08/07/2023 06:30	08/07/2023 19:17	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 06:30	08/07/2023 19:17	M
4-Methyl-2-pentanone (MIBK)	0.00084 U	mg/Kg	0.0031	0.00084	1	08/07/2023 06:30	08/07/2023 19:17	M
Acetone	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 19:17	M
Acrolein (Propenal)	0.0080 U	mg/Kg	0.015	0.0080	1	08/07/2023 06:30	08/07/2023 19:17	M
Acrylonitrile	0.0013 U	mg/Kg	0.0031	0.0013	1	08/07/2023 06:30	08/07/2023 19:17	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/07/2023 06:30	08/07/2023 19:17	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 19:17	M
Bromochloromethane	0.00065 U	mg/Kg	0.0031	0.00065	1	08/07/2023 06:30	08/07/2023 19:17	M
Bromodichloromethane	0.00077 U	mg/Kg	0.0031	0.00077	1	08/07/2023 06:30	08/07/2023 19:17	M
Bromoform	0.00091 U	mg/Kg	0.0031	0.00091	1	08/07/2023 06:30	08/07/2023 19:17	M
Bromomethane	0.0022 U	mg/Kg	0.0031	0.0022	1	08/07/2023 06:30	08/07/2023 19:17	M
Carbon Disulfide	0.00056 U	mg/Kg	0.0031	0.00056	1	08/07/2023 06:30	08/07/2023 19:17	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0031	0.00045	1	08/07/2023 06:30	08/07/2023 19:17	M
Chlorobenzene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/07/2023 06:30	08/07/2023 19:17	M
Chloroethane	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 06:30	08/07/2023 19:17	M
Chloroform	0.00049 U	mg/Kg	0.0031	0.00049	1	08/07/2023 06:30	08/07/2023 19:17	M
Chloromethane	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 06:30	08/07/2023 19:17	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/07/2023 06:30	08/07/2023 19:17	M
Dibromomethane	0.00059 U	mg/Kg	0.0031	0.00059	1	08/07/2023 06:30	08/07/2023 19:17	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/07/2023 06:30	08/07/2023 19:17	M

Wednesday, August 9, 2023 3:28:06 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301011
Sample ID: MAG-3.4

Date Collected: 07/31/2023 14:40
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/07/2023 06:30	08/07/2023 19:17	M
Ethylene Dibromide (EDB)	0.00057 U	mg/Kg	0.0031	0.00057	1	08/07/2023 06:30	08/07/2023 19:17	M
Hexachlorobutadiene	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 06:30	08/07/2023 19:17	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0031	0.0021	1	08/07/2023 06:30	08/07/2023 19:17	M
Isopropylbenzene	0.00070 U	mg/Kg	0.0031	0.00070	1	08/07/2023 06:30	08/07/2023 19:17	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0031	0.00044	1	08/07/2023 06:30	08/07/2023 19:17	M
Methylene Chloride	0.0013 U	mg/Kg	0.0031	0.0013	1	08/07/2023 06:30	08/07/2023 19:17	M
Naphthalene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/07/2023 06:30	08/07/2023 19:17	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/07/2023 06:30	08/07/2023 19:17	M
Tetrachloroethylene (PCE)	0.00063 U	mg/Kg	0.0031	0.00063	1	08/07/2023 06:30	08/07/2023 19:17	M
Toluene	0.00047 U	mg/Kg	0.0031	0.00047	1	08/07/2023 06:30	08/07/2023 19:17	M
Trichloroethene	0.00060 U	mg/Kg	0.0031	0.00060	1	08/07/2023 06:30	08/07/2023 19:17	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/07/2023 06:30	08/07/2023 19:17	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0031	0.00045	1	08/07/2023 06:30	08/07/2023 19:17	M
Vinyl Chloride	0.00053 U	mg/Kg	0.0031	0.00053	1	08/07/2023 06:30	08/07/2023 19:17	M
Xylene (Total)	0.0011 U	mg/Kg	0.0062	0.0011	1	08/07/2023 06:30	08/07/2023 19:17	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0031	0.00046	1	08/07/2023 06:30	08/07/2023 19:17	M
cis-1,3-Dichloropropene	0.00037 U	mg/Kg	0.0031	0.00037	1	08/07/2023 06:30	08/07/2023 19:17	M
n-Butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/07/2023 06:30	08/07/2023 19:17	M
n-propylbenzene	0.00078 U	mg/Kg	0.0031	0.00078	1	08/07/2023 06:30	08/07/2023 19:17	M
sec-butylbenzene	0.00083 U	mg/Kg	0.0031	0.00083	1	08/07/2023 06:30	08/07/2023 19:17	M
tert-butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/07/2023 06:30	08/07/2023 19:17	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301011
Sample ID: MAG-3.4

Date Collected: 07/31/2023 14:40
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/07/2023 06:30	08/07/2023 19:17	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/07/2023 06:30	08/07/2023 19:17	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51	58	113	69 - 134	M
Toluene-d8 (S)	ug/Kg	51	51	100	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	51	52	102	79 - 126	M

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Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID:	M2304301012	Date Collected:	07/31/2023 14:45	Matrix:	Soil			
Sample ID:	MAG-3.6	Date Received:	08/01/2023 15:30					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	12	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00045 U	mg/Kg	0.0034	0.00045	1	08/07/2023 06:30	08/07/2023 19:44	M
1,1,1-Trichloroethane	0.00060 U	mg/Kg	0.0034	0.00060	1	08/07/2023 06:30	08/07/2023 19:44	M
1,1,2,2-Tetrachloroethane	0.00096 U	mg/Kg	0.0034	0.00096	1	08/07/2023 06:30	08/07/2023 19:44	M
1,1,2-Trichloroethane	0.00036 U	mg/Kg	0.0034	0.00036	1	08/07/2023 06:30	08/07/2023 19:44	M
1,1-Dichloroethane	0.00047 U	mg/Kg	0.0034	0.00047	1	08/07/2023 06:30	08/07/2023 19:44	M
1,1-Dichloroethylene	0.00059 U	mg/Kg	0.0034	0.00059	1	08/07/2023 06:30	08/07/2023 19:44	M
1,1-Dichloropropene	0.00049 U	mg/Kg	0.0034	0.00049	1	08/07/2023 06:30	08/07/2023 19:44	M
1,2,3-Trichlorobenzene	0.00090 U	mg/Kg	0.0034	0.00090	1	08/07/2023 06:30	08/07/2023 19:44	M
1,2,3-Trichloropropane	0.00089 U	mg/Kg	0.0034	0.00089	1	08/07/2023 06:30	08/07/2023 19:44	M
1,2,4-Trichlorobenzene	0.00091 U	mg/Kg	0.0034	0.00091	1	08/07/2023 06:30	08/07/2023 19:44	M
1,2,4-Trimethylbenzene	0.00088 U	mg/Kg	0.0034	0.00088	1	08/07/2023 06:30	08/07/2023 19:44	M
1,2-Dibromo-3-Chloropropane	0.00068 U	mg/Kg	0.0034	0.00068	1	08/07/2023 06:30	08/07/2023 19:44	M
1,2-Dichlorobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 19:44	M
1,2-Dichloroethane	0.00041 U	mg/Kg	0.0034	0.00041	1	08/07/2023 06:30	08/07/2023 19:44	M
1,2-Dichloropropane	0.00065 U	mg/Kg	0.0034	0.00065	1	08/07/2023 06:30	08/07/2023 19:44	M
1,3,5-Trimethylbenzene	0.00094 U	mg/Kg	0.0034	0.00094	1	08/07/2023 06:30	08/07/2023 19:44	M
1,3-Dichlorobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 19:44	M
1,3-Dichloropropane	0.00056 U	mg/Kg	0.0034	0.00056	1	08/07/2023 06:30	08/07/2023 19:44	M
1,4-Dichlorobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 19:44	M
2,2-Dichloropropane	0.00037 U	mg/Kg	0.0034	0.00037	1	08/07/2023 06:30	08/07/2023 19:44	M





FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301012	Date Collected: 07/31/2023 14:45					Matrix: Soil			
Sample ID: MAG-3.6	Date Received: 08/01/2023 15:30								
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
2-Butanone (MEK)	0.00084 U	mg/Kg	0.0034	0.00084	1	08/07/2023 06:30	08/07/2023 19:44	M	
2-Chloroethyl Vinyl Ether	0.0017 U	mg/Kg	0.0034	0.0017	1	08/07/2023 06:30	08/07/2023 19:44	M	
2-Chlorotoluene	0.00085 U	mg/Kg	0.0034	0.00085	1	08/07/2023 06:30	08/07/2023 19:44	M	
2-Hexanone	0.00065 U	mg/Kg	0.0034	0.00065	1	08/07/2023 06:30	08/07/2023 19:44	M	
4-Chlorotoluene	0.0013 U	mg/Kg	0.0034	0.0013	1	08/07/2023 06:30	08/07/2023 19:44	M	
4-Methyl-2-pentanone (MIBK)	0.00093 U	mg/Kg	0.0034	0.00093	1	08/07/2023 06:30	08/07/2023 19:44	M	
Acetone	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 19:44	M	
Acrolein (Propenal)	0.0088 U	mg/Kg	0.017	0.0088	1	08/07/2023 06:30	08/07/2023 19:44	M	
Acrylonitrile	0.0015 U	mg/Kg	0.0034	0.0015	1	08/07/2023 06:30	08/07/2023 19:44	M	
Benzene	0.00034 U	mg/Kg	0.0034	0.00034	1	08/07/2023 06:30	08/07/2023 19:44	M	
Bromobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 19:44	M	
Bromochloromethane	0.00071 U	mg/Kg	0.0034	0.00071	1	08/07/2023 06:30	08/07/2023 19:44	M	
Bromodichloromethane	0.00085 U	mg/Kg	0.0034	0.00085	1	08/07/2023 06:30	08/07/2023 19:44	M	
Bromoform	0.0010 U	mg/Kg	0.0034	0.0010	1	08/07/2023 06:30	08/07/2023 19:44	M	
Bromomethane	0.0024 U	mg/Kg	0.0034	0.0024	1	08/07/2023 06:30	08/07/2023 19:44	M	
Carbon Disulfide	0.00061 U	mg/Kg	0.0034	0.00061	1	08/07/2023 06:30	08/07/2023 19:44	M	
Carbon Tetrachloride	0.00050 U	mg/Kg	0.0034	0.00050	1	08/07/2023 06:30	08/07/2023 19:44	M	
Chlorobenzene	0.00042 U	mg/Kg	0.0034	0.00042	1	08/07/2023 06:30	08/07/2023 19:44	M	
Chloroethane	0.0013 U	mg/Kg	0.0034	0.0013	1	08/07/2023 06:30	08/07/2023 19:44	M	
Chloroform	0.00054 U	mg/Kg	0.0034	0.00054	1	08/07/2023 06:30	08/07/2023 19:44	M	
Chloromethane	0.00084 U	mg/Kg	0.0034	0.00084	1	08/07/2023 06:30	08/07/2023 19:44	M	
Dibromochloromethane	0.00048 U	mg/Kg	0.0034	0.00048	1	08/07/2023 06:30	08/07/2023 19:44	M	
Dibromomethane	0.00065 U	mg/Kg	0.0034	0.00065	1	08/07/2023 06:30	08/07/2023 19:44	M	
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0034	0.0011	1	08/07/2023 06:30	08/07/2023 19:44	M	





FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301012
Sample ID: MAG-3.6

Date Collected: 07/31/2023 14:45
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/07/2023 06:30	08/07/2023 19:44	M
Ethylene Dibromide (EDB)	0.00062 U	mg/Kg	0.0034	0.00062	1	08/07/2023 06:30	08/07/2023 19:44	M
Hexachlorobutadiene	0.00084 U	mg/Kg	0.0034	0.00084	1	08/07/2023 06:30	08/07/2023 19:44	M
Iodomethane (Methyl Iodide)	0.0023 U	mg/Kg	0.0034	0.0023	1	08/07/2023 06:30	08/07/2023 19:44	M
Isopropylbenzene	0.00077 U	mg/Kg	0.0034	0.00077	1	08/07/2023 06:30	08/07/2023 19:44	M
Methyl tert-butyl Ether (MTBE)	0.00049 U	mg/Kg	0.0034	0.00049	1	08/07/2023 06:30	08/07/2023 19:44	M
Methylene Chloride	0.0014 U	mg/Kg	0.0034	0.0014	1	08/07/2023 06:30	08/07/2023 19:44	M
Naphthalene	0.00076 U	mg/Kg	0.0034	0.00076	1	08/07/2023 06:30	08/07/2023 19:44	M
Styrene	0.00036 U	mg/Kg	0.0034	0.00036	1	08/07/2023 06:30	08/07/2023 19:44	M
Tetrachloroethylene (PCE)	0.00069 U	mg/Kg	0.0034	0.00069	1	08/07/2023 06:30	08/07/2023 19:44	M
Toluene	0.00052 U	mg/Kg	0.0034	0.00052	1	08/07/2023 06:30	08/07/2023 19:44	M
Trichloroethene	0.00066 U	mg/Kg	0.0034	0.00066	1	08/07/2023 06:30	08/07/2023 19:44	M
Trichlorofluoromethane	0.00047 U	mg/Kg	0.0034	0.00047	1	08/07/2023 06:30	08/07/2023 19:44	M
Vinyl Acetate	0.00050 U	mg/Kg	0.0034	0.00050	1	08/07/2023 06:30	08/07/2023 19:44	M
Vinyl Chloride	0.00058 U	mg/Kg	0.0034	0.00058	1	08/07/2023 06:30	08/07/2023 19:44	M
Xylene (Total)	0.0012 U	mg/Kg	0.0068	0.0012	1	08/07/2023 06:30	08/07/2023 19:44	M
cis-1,2-Dichloroethylene	0.00051 U	mg/Kg	0.0034	0.00051	1	08/07/2023 06:30	08/07/2023 19:44	M
cis-1,3-Dichloropropene	0.00041 U	mg/Kg	0.0034	0.00041	1	08/07/2023 06:30	08/07/2023 19:44	M
n-Butylbenzene	0.00079 U	mg/Kg	0.0034	0.00079	1	08/07/2023 06:30	08/07/2023 19:44	M
n-propylbenzene	0.00086 U	mg/Kg	0.0034	0.00086	1	08/07/2023 06:30	08/07/2023 19:44	M
sec-butylbenzene	0.00092 U	mg/Kg	0.0034	0.00092	1	08/07/2023 06:30	08/07/2023 19:44	M
tert-butylbenzene	0.00079 U	mg/Kg	0.0034	0.00079	1	08/07/2023 06:30	08/07/2023 19:44	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301012
Sample ID: MAG-3.6

Date Collected: 07/31/2023 14:45
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00053 U	mg/Kg	0.0034	0.00053	1	08/07/2023 06:30	08/07/2023 19:44	M
trans-1,3-Dichloropropylene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/07/2023 06:30	08/07/2023 19:44	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	53	107	69 - 134	M
Toluene-d8 (S)	ug/Kg	50	53	106	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	50	57	113	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301013
Sample ID: MAG-4.05

Date Collected: 07/31/2023 15:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	0.35	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00045 U	mg/Kg	0.0033	0.00045	1	08/07/2023 06:30	08/07/2023 20:12	M
1,1,1-Trichloroethane	0.00059 U	mg/Kg	0.0033	0.00059	1	08/07/2023 06:30	08/07/2023 20:12	M
1,1,2,2-Tetrachloroethane	0.00095 U	mg/Kg	0.0033	0.00095	1	08/07/2023 06:30	08/07/2023 20:12	M
1,1,2-Trichloroethane	0.00036 U	mg/Kg	0.0033	0.00036	1	08/07/2023 06:30	08/07/2023 20:12	M
1,1-Dichloroethane	0.00046 U	mg/Kg	0.0033	0.00046	1	08/07/2023 06:30	08/07/2023 20:12	M
1,1-Dichloroethylene	0.00058 U	mg/Kg	0.0033	0.00058	1	08/07/2023 06:30	08/07/2023 20:12	M
1,1-Dichloropropene	0.00048 U	mg/Kg	0.0033	0.00048	1	08/07/2023 06:30	08/07/2023 20:12	M
1,2,3-Trichlorobenzene	0.00088 U	mg/Kg	0.0033	0.00088	1	08/07/2023 06:30	08/07/2023 20:12	M
1,2,3-Trichloropropane	0.00088 U	mg/Kg	0.0033	0.00088	1	08/07/2023 06:30	08/07/2023 20:12	M
1,2,4-Trichlorobenzene	0.00089 U	mg/Kg	0.0033	0.00089	1	08/07/2023 06:30	08/07/2023 20:12	M
1,2,4-Trimethylbenzene	0.00087 U	mg/Kg	0.0033	0.00087	1	08/07/2023 06:30	08/07/2023 20:12	M
1,2-Dibromo-3-Chloropropane	0.00067 U	mg/Kg	0.0033	0.00067	1	08/07/2023 06:30	08/07/2023 20:12	M
1,2-Dichlorobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 06:30	08/07/2023 20:12	M
1,2-Dichloroethane	0.00040 U	mg/Kg	0.0033	0.00040	1	08/07/2023 06:30	08/07/2023 20:12	M
1,2-Dichloropropane	0.00063 U	mg/Kg	0.0033	0.00063	1	08/07/2023 06:30	08/07/2023 20:12	M
1,3,5-Trimethylbenzene	0.00092 U	mg/Kg	0.0033	0.00092	1	08/07/2023 06:30	08/07/2023 20:12	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0033	0.0011	1	08/07/2023 06:30	08/07/2023 20:12	M
1,3-Dichloropropane	0.00055 U	mg/Kg	0.0033	0.00055	1	08/07/2023 06:30	08/07/2023 20:12	M
1,4-Dichlorobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 06:30	08/07/2023 20:12	M
2,2-Dichloropropane	0.00037 U	mg/Kg	0.0033	0.00037	1	08/07/2023 06:30	08/07/2023 20:12	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301013
Sample ID: MAG-4.05

Date Collected: 07/31/2023 15:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00082 U	mg/Kg	0.0033	0.00082	1	08/07/2023 06:30	08/07/2023 20:12	M
2-Chloroethyl Vinyl Ether	0.0017 U	mg/Kg	0.0033	0.0017	1	08/07/2023 06:30	08/07/2023 20:12	M
2-Chlorotoluene	0.00083 U	mg/Kg	0.0033	0.00083	1	08/07/2023 06:30	08/07/2023 20:12	M
2-Hexanone	0.00063 U	mg/Kg	0.0033	0.00063	1	08/07/2023 06:30	08/07/2023 20:12	M
4-Chlorotoluene	0.0013 U	mg/Kg	0.0033	0.0013	1	08/07/2023 06:30	08/07/2023 20:12	M
4-Methyl-2-pentanone (MIBK)	0.00091 U	mg/Kg	0.0033	0.00091	1	08/07/2023 06:30	08/07/2023 20:12	M
Acetone	0.0011 U	mg/Kg	0.0033	0.0011	1	08/07/2023 06:30	08/07/2023 20:12	M
Acrolein (Propenal)	0.0087 U	mg/Kg	0.017	0.0087	1	08/07/2023 06:30	08/07/2023 20:12	M
Acrylonitrile	0.0014 U	mg/Kg	0.0033	0.0014	1	08/07/2023 06:30	08/07/2023 20:12	M
Benzene	0.00033 U	mg/Kg	0.0033	0.00033	1	08/07/2023 06:30	08/07/2023 20:12	M
Bromobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 06:30	08/07/2023 20:12	M
Bromochloromethane	0.00070 U	mg/Kg	0.0033	0.00070	1	08/07/2023 06:30	08/07/2023 20:12	M
Bromodichloromethane	0.00083 U	mg/Kg	0.0033	0.00083	1	08/07/2023 06:30	08/07/2023 20:12	M
Bromoform	0.00098 U	mg/Kg	0.0033	0.00098	1	08/07/2023 06:30	08/07/2023 20:12	M
Bromomethane	0.0023 U	mg/Kg	0.0033	0.0023	1	08/07/2023 06:30	08/07/2023 20:12	M
Carbon Disulfide	0.00060 U	mg/Kg	0.0033	0.00060	1	08/07/2023 06:30	08/07/2023 20:12	M
Carbon Tetrachloride	0.00049 U	mg/Kg	0.0033	0.00049	1	08/07/2023 06:30	08/07/2023 20:12	M
Chlorobenzene	0.00041 U	mg/Kg	0.0033	0.00041	1	08/07/2023 06:30	08/07/2023 20:12	M
Chloroethane	0.0013 U	mg/Kg	0.0033	0.0013	1	08/07/2023 06:30	08/07/2023 20:12	M
Chloroform	0.00053 U	mg/Kg	0.0033	0.00053	1	08/07/2023 06:30	08/07/2023 20:12	M
Chloromethane	0.00082 U	mg/Kg	0.0033	0.00082	1	08/07/2023 06:30	08/07/2023 20:12	M
Dibromochloromethane	0.00047 U	mg/Kg	0.0033	0.00047	1	08/07/2023 06:30	08/07/2023 20:12	M
Dibromomethane	0.00063 U	mg/Kg	0.0033	0.00063	1	08/07/2023 06:30	08/07/2023 20:12	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0033	0.0011	1	08/07/2023 06:30	08/07/2023 20:12	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301013
Sample ID: MAG-4.05

Date Collected: 07/31/2023 15:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00042 U	mg/Kg	0.0033	0.00042	1	08/07/2023 06:30	08/07/2023 20:12	M
Ethylene Dibromide (EDB)	0.00061 U	mg/Kg	0.0033	0.00061	1	08/07/2023 06:30	08/07/2023 20:12	M
Hexachlorobutadiene	0.00082 U	mg/Kg	0.0033	0.00082	1	08/07/2023 06:30	08/07/2023 20:12	M
Iodomethane (Methyl Iodide)	0.0023 U	mg/Kg	0.0033	0.0023	1	08/07/2023 06:30	08/07/2023 20:12	M
Isopropylbenzene	0.00075 U	mg/Kg	0.0033	0.00075	1	08/07/2023 06:30	08/07/2023 20:12	M
Methyl tert-butyl Ether (MTBE)	0.00048 U	mg/Kg	0.0033	0.00048	1	08/07/2023 06:30	08/07/2023 20:12	M
Methylene Chloride	0.0014 U	mg/Kg	0.0033	0.0014	1	08/07/2023 06:30	08/07/2023 20:12	M
Naphthalene	0.00075 U	mg/Kg	0.0033	0.00075	1	08/07/2023 06:30	08/07/2023 20:12	M
Styrene	0.00036 U	mg/Kg	0.0033	0.00036	1	08/07/2023 06:30	08/07/2023 20:12	M
Tetrachloroethylene (PCE)	0.00068 U	mg/Kg	0.0033	0.00068	1	08/07/2023 06:30	08/07/2023 20:12	M
Toluene	0.00051 U	mg/Kg	0.0033	0.00051	1	08/07/2023 06:30	08/07/2023 20:12	M
Trichloroethene	0.00065 U	mg/Kg	0.0033	0.00065	1	08/07/2023 06:30	08/07/2023 20:12	M
Trichlorofluoromethane	0.00046 U	mg/Kg	0.0033	0.00046	1	08/07/2023 06:30	08/07/2023 20:12	M
Vinyl Acetate	0.00049 U	mg/Kg	0.0033	0.00049	1	08/07/2023 06:30	08/07/2023 20:12	M
Vinyl Chloride	0.00057 U	mg/Kg	0.0033	0.00057	1	08/07/2023 06:30	08/07/2023 20:12	M
Xylene (Total)	0.0012 U	mg/Kg	0.0067	0.0012	1	08/07/2023 06:30	08/07/2023 20:12	M
cis-1,2-Dichloroethylene	0.00050 U	mg/Kg	0.0033	0.00050	1	08/07/2023 06:30	08/07/2023 20:12	M
cis-1,3-Dichloropropene	0.00040 U	mg/Kg	0.0033	0.00040	1	08/07/2023 06:30	08/07/2023 20:12	M
n-Butylbenzene	0.00078 U	mg/Kg	0.0033	0.00078	1	08/07/2023 06:30	08/07/2023 20:12	M
n-propylbenzene	0.00085 U	mg/Kg	0.0033	0.00085	1	08/07/2023 06:30	08/07/2023 20:12	M
sec-butylbenzene	0.00090 U	mg/Kg	0.0033	0.00090	1	08/07/2023 06:30	08/07/2023 20:12	M
tert-butylbenzene	0.00078 U	mg/Kg	0.0033	0.00078	1	08/07/2023 06:30	08/07/2023 20:12	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301013	Date Collected: 07/31/2023 15:10	Matrix: Soil
Sample ID: MAG-4.05	Date Received: 08/01/2023 15:30	

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00052 U	mg/Kg	0.0033	0.00052	1	08/07/2023 06:30	08/07/2023 20:12	M
trans-1,3-Dichloropropylene	0.00042 U	mg/Kg	0.0033	0.00042	1	08/07/2023 06:30	08/07/2023 20:12	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	55	60	109	69 - 134	M
Toluene-d8 (S)	ug/Kg	55	59	106	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	55	62	112	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301014
Sample ID: MAG-4.2

Date Collected: 07/31/2023 15:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	0.31	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0031	0.00041	1	08/07/2023 06:30	08/07/2023 20:39	M
1,1,1-Trichloroethane	0.00054 U	mg/Kg	0.0031	0.00054	1	08/07/2023 06:30	08/07/2023 20:39	M
1,1,2,2-Tetrachloroethane	0.00087 U	mg/Kg	0.0031	0.00087	1	08/07/2023 06:30	08/07/2023 20:39	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/07/2023 06:30	08/07/2023 20:39	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/07/2023 06:30	08/07/2023 20:39	M
1,1-Dichloroethylene	0.00053 U	mg/Kg	0.0031	0.00053	1	08/07/2023 06:30	08/07/2023 20:39	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0031	0.00044	1	08/07/2023 06:30	08/07/2023 20:39	M
1,2,3-Trichlorobenzene	0.00081 U	mg/Kg	0.0031	0.00081	1	08/07/2023 06:30	08/07/2023 20:39	M
1,2,3-Trichloropropane	0.00081 U	mg/Kg	0.0031	0.00081	1	08/07/2023 06:30	08/07/2023 20:39	M
1,2,4-Trichlorobenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/07/2023 06:30	08/07/2023 20:39	M
1,2,4-Trimethylbenzene	0.00080 U	mg/Kg	0.0031	0.00080	1	08/07/2023 06:30	08/07/2023 20:39	M
1,2-Dibromo-3-Chloropropane	0.00062 U	mg/Kg	0.0031	0.00062	1	08/07/2023 06:30	08/07/2023 20:39	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 20:39	M
1,2-Dichloroethane	0.00037 U	mg/Kg	0.0031	0.00037	1	08/07/2023 06:30	08/07/2023 20:39	M
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/07/2023 06:30	08/07/2023 20:39	M
1,3,5-Trimethylbenzene	0.00085 U	mg/Kg	0.0031	0.00085	1	08/07/2023 06:30	08/07/2023 20:39	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 20:39	M
1,3-Dichloropropane	0.00050 U	mg/Kg	0.0031	0.00050	1	08/07/2023 06:30	08/07/2023 20:39	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 20:39	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/07/2023 06:30	08/07/2023 20:39	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301014
Sample ID: MAG-4.2

Date Collected: 07/31/2023 15:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 06:30	08/07/2023 20:39	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0031	0.0015	1	08/07/2023 06:30	08/07/2023 20:39	M
2-Chlorotoluene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/07/2023 06:30	08/07/2023 20:39	M
2-Hexanone	0.00058 U	mg/Kg	0.0031	0.00058	1	08/07/2023 06:30	08/07/2023 20:39	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 06:30	08/07/2023 20:39	M
4-Methyl-2-pentanone (MIBK)	0.00084 U	mg/Kg	0.0031	0.00084	1	08/07/2023 06:30	08/07/2023 20:39	M
Acetone	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 20:39	M
Acrolein (Propenal)	0.0080 U	mg/Kg	0.015	0.0080	1	08/07/2023 06:30	08/07/2023 20:39	M
Acrylonitrile	0.0013 U	mg/Kg	0.0031	0.0013	1	08/07/2023 06:30	08/07/2023 20:39	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/07/2023 06:30	08/07/2023 20:39	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 20:39	M
Bromochloromethane	0.00065 U	mg/Kg	0.0031	0.00065	1	08/07/2023 06:30	08/07/2023 20:39	M
Bromodichloromethane	0.00077 U	mg/Kg	0.0031	0.00077	1	08/07/2023 06:30	08/07/2023 20:39	M
Bromoform	0.00090 U	mg/Kg	0.0031	0.00090	1	08/07/2023 06:30	08/07/2023 20:39	M
Bromomethane	0.0021 U	mg/Kg	0.0031	0.0021	1	08/07/2023 06:30	08/07/2023 20:39	M
Carbon Disulfide	0.00055 U	mg/Kg	0.0031	0.00055	1	08/07/2023 06:30	08/07/2023 20:39	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0031	0.00045	1	08/07/2023 06:30	08/07/2023 20:39	M
Chlorobenzene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/07/2023 06:30	08/07/2023 20:39	M
Chloroethane	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 06:30	08/07/2023 20:39	M
Chloroform	0.00049 U	mg/Kg	0.0031	0.00049	1	08/07/2023 06:30	08/07/2023 20:39	M
Chloromethane	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 06:30	08/07/2023 20:39	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/07/2023 06:30	08/07/2023 20:39	M
Dibromomethane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/07/2023 06:30	08/07/2023 20:39	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/07/2023 06:30	08/07/2023 20:39	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301014	Date Collected: 07/31/2023 15:15					Matrix: Soil		
Sample ID: MAG-4.2	Date Received: 08/01/2023 15:30							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/07/2023 06:30	08/07/2023 20:39	M
Ethylene Dibromide (EDB)	0.00056 U	mg/Kg	0.0031	0.00056	1	08/07/2023 06:30	08/07/2023 20:39	M
Hexachlorobutadiene	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 06:30	08/07/2023 20:39	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0031	0.0021	1	08/07/2023 06:30	08/07/2023 20:39	M
Isopropylbenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/07/2023 06:30	08/07/2023 20:39	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0031	0.00044	1	08/07/2023 06:30	08/07/2023 20:39	M
Methylene Chloride	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 06:30	08/07/2023 20:39	M
Naphthalene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/07/2023 06:30	08/07/2023 20:39	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/07/2023 06:30	08/07/2023 20:39	M
Tetrachloroethylene (PCE)	0.0011 U	mg/Kg	0.0031	0.00063	1	08/07/2023 06:30	08/07/2023 20:39	M
Toluene	0.00047 U	mg/Kg	0.0031	0.00047	1	08/07/2023 06:30	08/07/2023 20:39	M
Trichloroethene	0.00059 U	mg/Kg	0.0031	0.00059	1	08/07/2023 06:30	08/07/2023 20:39	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/07/2023 06:30	08/07/2023 20:39	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0031	0.00045	1	08/07/2023 06:30	08/07/2023 20:39	M
Vinyl Chloride	0.00052 U	mg/Kg	0.0031	0.00052	1	08/07/2023 06:30	08/07/2023 20:39	M
Xylene (Total)	0.0011 U	mg/Kg	0.0062	0.0011	1	08/07/2023 06:30	08/07/2023 20:39	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0031	0.00046	1	08/07/2023 06:30	08/07/2023 20:39	M
cis-1,3-Dichloropropene	0.00037 U	mg/Kg	0.0031	0.00037	1	08/07/2023 06:30	08/07/2023 20:39	M
n-Butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/07/2023 06:30	08/07/2023 20:39	M
n-propylbenzene	0.00078 U	mg/Kg	0.0031	0.00078	1	08/07/2023 06:30	08/07/2023 20:39	M
sec-butylbenzene	0.00083 U	mg/Kg	0.0031	0.00083	1	08/07/2023 06:30	08/07/2023 20:39	M
tert-butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/07/2023 06:30	08/07/2023 20:39	M





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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301014
Sample ID: MAG-4.2

Date Collected: 07/31/2023 15:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/07/2023 06:30	08/07/2023 20:39	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/07/2023 06:30	08/07/2023 20:39	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51	54	106	69 - 134	M
Toluene-d8 (S)	ug/Kg	51	54	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	51	56	109	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301015	Date Collected: 07/31/2023 15:20			Matrix: Soil				
Sample ID: MAG-4.4	Date Received: 08/01/2023 15:30							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	0.38	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00038 U	mg/Kg	0.0028	0.00038	1	08/07/2023 06:30	08/07/2023 21:06	M
1,1,1-Trichloroethane	0.00050 U	mg/Kg	0.0028	0.00050	1	08/07/2023 06:30	08/07/2023 21:06	M
1,1,2,2-Tetrachloroethane	0.00080 U	mg/Kg	0.0028	0.00080	1	08/07/2023 06:30	08/07/2023 21:06	M
1,1,2-Trichloroethane	0.00030 U	mg/Kg	0.0028	0.00030	1	08/07/2023 06:30	08/07/2023 21:06	M
1,1-Dichloroethane	0.00039 U	mg/Kg	0.0028	0.00039	1	08/07/2023 06:30	08/07/2023 21:06	M
1,1-Dichloroethylene	0.00049 U	mg/Kg	0.0028	0.00049	1	08/07/2023 06:30	08/07/2023 21:06	M
1,1-Dichloropropene	0.00041 U	mg/Kg	0.0028	0.00041	1	08/07/2023 06:30	08/07/2023 21:06	M
1,2,3-Trichlorobenzene	0.00075 U	mg/Kg	0.0028	0.00075	1	08/07/2023 06:30	08/07/2023 21:06	M
1,2,3-Trichloropropane	0.00075 U	mg/Kg	0.0028	0.00075	1	08/07/2023 06:30	08/07/2023 21:06	M
1,2,4-Trichlorobenzene	0.00076 U	mg/Kg	0.0028	0.00076	1	08/07/2023 06:30	08/07/2023 21:06	M
1,2,4-Trimethylbenzene	0.00074 U	mg/Kg	0.0028	0.00074	1	08/07/2023 06:30	08/07/2023 21:06	M
1,2-Dibromo-3-Chloropropane	0.00057 U	mg/Kg	0.0028	0.00057	1	08/07/2023 06:30	08/07/2023 21:06	M
1,2-Dichlorobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 21:06	M
1,2-Dichloroethane	0.00034 U	mg/Kg	0.0028	0.00034	1	08/07/2023 06:30	08/07/2023 21:06	M
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0028	0.00054	1	08/07/2023 06:30	08/07/2023 21:06	M
1,3,5-Trimethylbenzene	0.00079 U	mg/Kg	0.0028	0.00079	1	08/07/2023 06:30	08/07/2023 21:06	M
1,3-Dichlorobenzene	0.00098 U	mg/Kg	0.0028	0.00098	1	08/07/2023 06:30	08/07/2023 21:06	M
1,3-Dichloropropane	0.00046 U	mg/Kg	0.0028	0.00046	1	08/07/2023 06:30	08/07/2023 21:06	M
1,4-Dichlorobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 21:06	M
2,2-Dichloropropane	0.00031 U	mg/Kg	0.0028	0.00031	1	08/07/2023 06:30	08/07/2023 21:06	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301015
Sample ID: MAG-4.4

Date Collected: 07/31/2023 15:20
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/07/2023 21:06	M
2-Chloroethyl Vinyl Ether	0.0014 U	mg/Kg	0.0028	0.0014	1	08/07/2023 06:30	08/07/2023 21:06	M
2-Chlorotoluene	0.00071 U	mg/Kg	0.0028	0.00071	1	08/07/2023 06:30	08/07/2023 21:06	M
2-Hexanone	0.00054 U	mg/Kg	0.0028	0.00054	1	08/07/2023 06:30	08/07/2023 21:06	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/07/2023 21:06	M
4-Methyl-2-pentanone (MIBK)	0.00078 U	mg/Kg	0.0028	0.00078	1	08/07/2023 06:30	08/07/2023 21:06	M
Acetone	0.00098 U	mg/Kg	0.0028	0.00098	1	08/07/2023 06:30	08/07/2023 21:06	M
Acrolein (Propenal)	0.0074 U	mg/Kg	0.014	0.0074	1	08/07/2023 06:30	08/07/2023 21:06	M
Acrylonitrile	0.0012 U	mg/Kg	0.0028	0.0012	1	08/07/2023 06:30	08/07/2023 21:06	M
Benzene	0.00028 U	mg/Kg	0.0028	0.00028	1	08/07/2023 06:30	08/07/2023 21:06	M
Bromobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 21:06	M
Bromochloromethane	0.00060 U	mg/Kg	0.0028	0.00060	1	08/07/2023 06:30	08/07/2023 21:06	M
Bromodichloromethane	0.00071 U	mg/Kg	0.0028	0.00071	1	08/07/2023 06:30	08/07/2023 21:06	M
Bromoform	0.00083 U	mg/Kg	0.0028	0.00083	1	08/07/2023 06:30	08/07/2023 21:06	M
Bromomethane	0.0020 U	mg/Kg	0.0028	0.0020	1	08/07/2023 06:30	08/07/2023 21:06	M
Carbon Disulfide	0.00051 U	mg/Kg	0.0028	0.00051	1	08/07/2023 06:30	08/07/2023 21:06	M
Carbon Tetrachloride	0.00042 U	mg/Kg	0.0028	0.00042	1	08/07/2023 06:30	08/07/2023 21:06	M
Chlorobenzene	0.00035 U	mg/Kg	0.0028	0.00035	1	08/07/2023 06:30	08/07/2023 21:06	M
Chloroethane	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/07/2023 21:06	M
Chloroform	0.00045 U	mg/Kg	0.0028	0.00045	1	08/07/2023 06:30	08/07/2023 21:06	M
Chloromethane	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/07/2023 21:06	M
Dibromochloromethane	0.00040 U	mg/Kg	0.0028	0.00040	1	08/07/2023 06:30	08/07/2023 21:06	M
Dibromomethane	0.00054 U	mg/Kg	0.0028	0.00054	1	08/07/2023 06:30	08/07/2023 21:06	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301015
Sample ID: MAG-4.4

Date Collected: 07/31/2023 15:20
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00093 U	mg/Kg	0.0028	0.00093	1	08/07/2023 06:30	08/07/2023 21:06	M
Ethylbenzene	0.00036 U	mg/Kg	0.0028	0.00036	1	08/07/2023 06:30	08/07/2023 21:06	M
Ethylene Dibromide (EDB)	0.00052 U	mg/Kg	0.0028	0.00052	1	08/07/2023 06:30	08/07/2023 21:06	M
Hexachlorobutadiene	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/07/2023 21:06	M
Iodomethane (Methyl Iodide)	0.0020 U	mg/Kg	0.0028	0.0020	1	08/07/2023 06:30	08/07/2023 21:06	M
Isopropylbenzene	0.00064 U	mg/Kg	0.0028	0.00064	1	08/07/2023 06:30	08/07/2023 21:06	M
Methyl tert-butyl Ether (MTBE)	0.00041 U	mg/Kg	0.0028	0.00041	1	08/07/2023 06:30	08/07/2023 21:06	M
Methylene Chloride	0.0012 U	mg/Kg	0.0028	0.0012	1	08/07/2023 06:30	08/07/2023 21:06	M
Naphthalene	0.00063 U	mg/Kg	0.0028	0.00063	1	08/07/2023 06:30	08/07/2023 21:06	M
Styrene	0.00030 U	mg/Kg	0.0028	0.00030	1	08/07/2023 06:30	08/07/2023 21:06	M
Tetrachloroethylene (PCE)	0.00058 U	mg/Kg	0.0028	0.00058	1	08/07/2023 06:30	08/07/2023 21:06	M
Toluene	0.00044 U	mg/Kg	0.0028	0.00044	1	08/07/2023 06:30	08/07/2023 21:06	M
Trichloroethene	0.00055 U	mg/Kg	0.0028	0.00055	1	08/07/2023 06:30	08/07/2023 21:06	M
Trichlorofluoromethane	0.00039 U	mg/Kg	0.0028	0.00039	1	08/07/2023 06:30	08/07/2023 21:06	M
Vinyl Acetate	0.00042 U	mg/Kg	0.0028	0.00042	1	08/07/2023 06:30	08/07/2023 21:06	M
Vinyl Chloride	0.00048 U	mg/Kg	0.0028	0.00048	1	08/07/2023 06:30	08/07/2023 21:06	M
Xylene (Total)	0.0010 U	mg/Kg	0.0057	0.0010	1	08/07/2023 06:30	08/07/2023 21:06	M
cis-1,2-Dichloroethylene	0.00043 U	mg/Kg	0.0028	0.00043	1	08/07/2023 06:30	08/07/2023 21:06	M
cis-1,3-Dichloropropene	0.00034 U	mg/Kg	0.0028	0.00034	1	08/07/2023 06:30	08/07/2023 21:06	M
n-Butylbenzene	0.00066 U	mg/Kg	0.0028	0.00066	1	08/07/2023 06:30	08/07/2023 21:06	M
n-propylbenzene	0.00072 U	mg/Kg	0.0028	0.00072	1	08/07/2023 06:30	08/07/2023 21:06	M
sec-butylbenzene	0.00077 U	mg/Kg	0.0028	0.00077	1	08/07/2023 06:30	08/07/2023 21:06	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301015
Sample ID: MAG-4.4

Date Collected: 07/31/2023 15:20
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00066 U	mg/Kg	0.0028	0.00066	1	08/07/2023 06:30	08/07/2023 21:06	M
trans-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0028	0.00045	1	08/07/2023 06:30	08/07/2023 21:06	M
trans-1,3-Dichloropropylene	0.00036 U	mg/Kg	0.0028	0.00036	1	08/07/2023 06:30	08/07/2023 21:06	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	47	52	110	69 - 134	M
Toluene-d8 (S)	ug/Kg	47	49	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	47	52	111	79 - 126	M

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Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301016
Sample ID: MAG-4.6

Date Collected: 07/31/2023 15:25
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.5	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00046 U	mg/Kg	0.0034	0.00046	1	08/07/2023 06:30	08/07/2023 21:34	M
1,1,1-Trichloroethane	0.00060 U	mg/Kg	0.0034	0.00060	1	08/07/2023 06:30	08/07/2023 21:34	M
1,1,2,2-Tetrachloroethane	0.00097 U	mg/Kg	0.0034	0.00097	1	08/07/2023 06:30	08/07/2023 21:34	M
1,1,2-Trichloroethane	0.00037 U	mg/Kg	0.0034	0.00037	1	08/07/2023 06:30	08/07/2023 21:34	M
1,1-Dichloroethane	0.00047 U	mg/Kg	0.0034	0.00047	1	08/07/2023 06:30	08/07/2023 21:34	M
1,1-Dichloroethylene	0.00059 U	mg/Kg	0.0034	0.00059	1	08/07/2023 06:30	08/07/2023 21:34	M
1,1-Dichloropropene	0.00049 U	mg/Kg	0.0034	0.00049	1	08/07/2023 06:30	08/07/2023 21:34	M
1,2,3-Trichlorobenzene	0.00090 U	mg/Kg	0.0034	0.00090	1	08/07/2023 06:30	08/07/2023 21:34	M
1,2,3-Trichloropropane	0.00090 U	mg/Kg	0.0034	0.00090	1	08/07/2023 06:30	08/07/2023 21:34	M
1,2,4-Trichlorobenzene	0.00091 U	mg/Kg	0.0034	0.00091	1	08/07/2023 06:30	08/07/2023 21:34	M
1,2,4-Trimethylbenzene	0.00089 U	mg/Kg	0.0034	0.00089	1	08/07/2023 06:30	08/07/2023 21:34	M
1,2-Dibromo-3-Chloropropane	0.00068 U	mg/Kg	0.0034	0.00068	1	08/07/2023 06:30	08/07/2023 21:34	M
1,2-Dichlorobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 21:34	M
1,2-Dichloroethane	0.00041 U	mg/Kg	0.0034	0.00041	1	08/07/2023 06:30	08/07/2023 21:34	M
1,2-Dichloropropane	0.00065 U	mg/Kg	0.0034	0.00065	1	08/07/2023 06:30	08/07/2023 21:34	M
1,3,5-Trimethylbenzene	0.00095 U	mg/Kg	0.0034	0.00095	1	08/07/2023 06:30	08/07/2023 21:34	M
1,3-Dichlorobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 21:34	M
1,3-Dichloropropane	0.00056 U	mg/Kg	0.0034	0.00056	1	08/07/2023 06:30	08/07/2023 21:34	M
1,4-Dichlorobenzene	0.0013 U	mg/Kg	0.0034	0.0013	1	08/07/2023 06:30	08/07/2023 21:34	M
2,2-Dichloropropane	0.00038 U	mg/Kg	0.0034	0.00038	1	08/07/2023 06:30	08/07/2023 21:34	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301016
Sample ID: MAG-4.6

Date Collected: 07/31/2023 15:25
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00084 U	mg/Kg	0.0034	0.00084	1	08/07/2023 06:30	08/07/2023 21:34	M
2-Chloroethyl Vinyl Ether	0.0017 U	mg/Kg	0.0034	0.0017	1	08/07/2023 06:30	08/07/2023 21:34	M
2-Chlorotoluene	0.00086 U	mg/Kg	0.0034	0.00086	1	08/07/2023 06:30	08/07/2023 21:34	M
2-Hexanone	0.00065 U	mg/Kg	0.0034	0.00065	1	08/07/2023 06:30	08/07/2023 21:34	M
4-Chlorotoluene	0.0013 U	mg/Kg	0.0034	0.0013	1	08/07/2023 06:30	08/07/2023 21:34	M
4-Methyl-2-pentanone (MIBK)	0.00094 U	mg/Kg	0.0034	0.00094	1	08/07/2023 06:30	08/07/2023 21:34	M
Acetone	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 21:34	M
Acrolein (Propenal)	0.0089 U	mg/Kg	0.017	0.0089	1	08/07/2023 06:30	08/07/2023 21:34	M
Acrylonitrile	0.0015 U	mg/Kg	0.0034	0.0015	1	08/07/2023 06:30	08/07/2023 21:34	M
Benzene	0.00034 U	mg/Kg	0.0034	0.00034	1	08/07/2023 06:30	08/07/2023 21:34	M
Bromobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 21:34	M
Bromochloromethane	0.00072 U	mg/Kg	0.0034	0.00072	1	08/07/2023 06:30	08/07/2023 21:34	M
Bromodichloromethane	0.00086 U	mg/Kg	0.0034	0.00086	1	08/07/2023 06:30	08/07/2023 21:34	M
Bromoform	0.0010 U	mg/Kg	0.0034	0.0010	1	08/07/2023 06:30	08/07/2023 21:34	M
Bromomethane	0.0024 U	mg/Kg	0.0034	0.0024	1	08/07/2023 06:30	08/07/2023 21:34	M
Carbon Disulfide	0.00062 U	mg/Kg	0.0034	0.00062	1	08/07/2023 06:30	08/07/2023 21:34	M
Carbon Tetrachloride	0.00050 U	mg/Kg	0.0034	0.00050	1	08/07/2023 06:30	08/07/2023 21:34	M
Chlorobenzene	0.00042 U	mg/Kg	0.0034	0.00042	1	08/07/2023 06:30	08/07/2023 21:34	M
Chloroethane	0.0013 U	mg/Kg	0.0034	0.0013	1	08/07/2023 06:30	08/07/2023 21:34	M
Chloroform	0.00055 U	mg/Kg	0.0034	0.00055	1	08/07/2023 06:30	08/07/2023 21:34	M
Chloromethane	0.00084 U	mg/Kg	0.0034	0.00084	1	08/07/2023 06:30	08/07/2023 21:34	M
Dibromochloromethane	0.00048 U	mg/Kg	0.0034	0.00048	1	08/07/2023 06:30	08/07/2023 21:34	M
Dibromomethane	0.00065 U	mg/Kg	0.0034	0.00065	1	08/07/2023 06:30	08/07/2023 21:34	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0034	0.0011	1	08/07/2023 06:30	08/07/2023 21:34	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301016
Sample ID: MAG-4.6

Date Collected: 07/31/2023 15:25
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/07/2023 06:30	08/07/2023 21:34	M
Ethylene Dibromide (EDB)	0.00063 U	mg/Kg	0.0034	0.00063	1	08/07/2023 06:30	08/07/2023 21:34	M
Hexachlorobutadiene	0.00084 U	mg/Kg	0.0034	0.00084	1	08/07/2023 06:30	08/07/2023 21:34	M
Iodomethane (Methyl Iodide)	0.0024 U	mg/Kg	0.0034	0.0024	1	08/07/2023 06:30	08/07/2023 21:34	M
Isopropylbenzene	0.00077 U	mg/Kg	0.0034	0.00077	1	08/07/2023 06:30	08/07/2023 21:34	M
Methyl tert-butyl Ether (MTBE)	0.00049 U	mg/Kg	0.0034	0.00049	1	08/07/2023 06:30	08/07/2023 21:34	M
Methylene Chloride	0.0014 U	mg/Kg	0.0034	0.0014	1	08/07/2023 06:30	08/07/2023 21:34	M
Naphthalene	0.00076 U	mg/Kg	0.0034	0.00076	1	08/07/2023 06:30	08/07/2023 21:34	M
Styrene	0.00037 U	mg/Kg	0.0034	0.00037	1	08/07/2023 06:30	08/07/2023 21:34	M
Tetrachloroethylene (PCE)	0.00070 U	mg/Kg	0.0034	0.00070	1	08/07/2023 06:30	08/07/2023 21:34	M
Toluene	0.00053 U	mg/Kg	0.0034	0.00053	1	08/07/2023 06:30	08/07/2023 21:34	M
Trichloroethene	0.00066 U	mg/Kg	0.0034	0.00066	1	08/07/2023 06:30	08/07/2023 21:34	M
Trichlorofluoromethane	0.00047 U	mg/Kg	0.0034	0.00047	1	08/07/2023 06:30	08/07/2023 21:34	M
Vinyl Acetate	0.00050 U	mg/Kg	0.0034	0.00050	1	08/07/2023 06:30	08/07/2023 21:34	M
Vinyl Chloride	0.00058 U	mg/Kg	0.0034	0.00058	1	08/07/2023 06:30	08/07/2023 21:34	M
Xylene (Total)	0.0012 U	mg/Kg	0.0068	0.0012	1	08/07/2023 06:30	08/07/2023 21:34	M
cis-1,2-Dichloroethylene	0.00051 U	mg/Kg	0.0034	0.00051	1	08/07/2023 06:30	08/07/2023 21:34	M
cis-1,3-Dichloropropene	0.00041 U	mg/Kg	0.0034	0.00041	1	08/07/2023 06:30	08/07/2023 21:34	M
n-Butylbenzene	0.00080 U	mg/Kg	0.0034	0.00080	1	08/07/2023 06:30	08/07/2023 21:34	M
n-propylbenzene	0.00087 U	mg/Kg	0.0034	0.00087	1	08/07/2023 06:30	08/07/2023 21:34	M
sec-butylbenzene	0.00092 U	mg/Kg	0.0034	0.00092	1	08/07/2023 06:30	08/07/2023 21:34	M
tert-butylbenzene	0.00080 U	mg/Kg	0.0034	0.00080	1	08/07/2023 06:30	08/07/2023 21:34	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301016
Sample ID: MAG-4.6

Date Collected: 07/31/2023 15:25
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00054 U	mg/Kg	0.0034	0.00054	1	08/07/2023 06:30	08/07/2023 21:34	M
trans-1,3-Dichloropropylene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/07/2023 06:30	08/07/2023 21:34	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	55	61	111	69 - 134	M
Toluene-d8 (S)	ug/Kg	55	57	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	55	63	115	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301017	Date Collected: 07/31/2023 14:50			Matrix: Soil				
Sample ID: MAG-5.05	Date Received: 08/01/2023 15:30							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	0.57	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00043 U	mg/Kg	0.0032	0.00043	1	08/07/2023 06:30	08/07/2023 22:01	M
1,1,1-Trichloroethane	0.00057 U	mg/Kg	0.0032	0.00057	1	08/07/2023 06:30	08/07/2023 22:01	M
1,1,2,2-Tetrachloroethane	0.00091 U	mg/Kg	0.0032	0.00091	1	08/07/2023 06:30	08/07/2023 22:01	M
1,1,2-Trichloroethane	0.00034 U	mg/Kg	0.0032	0.00034	1	08/07/2023 06:30	08/07/2023 22:01	M
1,1-Dichloroethane	0.00044 U	mg/Kg	0.0032	0.00044	1	08/07/2023 06:30	08/07/2023 22:01	M
1,1-Dichloroethylene	0.00056 U	mg/Kg	0.0032	0.00056	1	08/07/2023 06:30	08/07/2023 22:01	M
1,1-Dichloropropene	0.00046 U	mg/Kg	0.0032	0.00046	1	08/07/2023 06:30	08/07/2023 22:01	M
1,2,3-Trichlorobenzene	0.00085 U	mg/Kg	0.0032	0.00085	1	08/07/2023 06:30	08/07/2023 22:01	M
1,2,3-Trichloropropane	0.00084 U	mg/Kg	0.0032	0.00084	1	08/07/2023 06:30	08/07/2023 22:01	M
1,2,4-Trichlorobenzene	0.00086 U	mg/Kg	0.0032	0.00086	1	08/07/2023 06:30	08/07/2023 22:01	M
1,2,4-Trimethylbenzene	0.00083 U	mg/Kg	0.0032	0.00083	1	08/07/2023 06:30	08/07/2023 22:01	M
1,2-Dibromo-3-Chloropropane	0.00064 U	mg/Kg	0.0032	0.00064	1	08/07/2023 06:30	08/07/2023 22:01	M
1,2-Dichlorobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 06:30	08/07/2023 22:01	M
1,2-Dichloroethane	0.00039 U	mg/Kg	0.0032	0.00039	1	08/07/2023 06:30	08/07/2023 22:01	M
1,2-Dichloropropane	0.00061 U	mg/Kg	0.0032	0.00061	1	08/07/2023 06:30	08/07/2023 22:01	M
1,3,5-Trimethylbenzene	0.00089 U	mg/Kg	0.0032	0.00089	1	08/07/2023 06:30	08/07/2023 22:01	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0032	0.0011	1	08/07/2023 06:30	08/07/2023 22:01	M
1,3-Dichloropropane	0.00052 U	mg/Kg	0.0032	0.00052	1	08/07/2023 06:30	08/07/2023 22:01	M
1,4-Dichlorobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 06:30	08/07/2023 22:01	M
2,2-Dichloropropane	0.00035 U	mg/Kg	0.0032	0.00035	1	08/07/2023 06:30	08/07/2023 22:01	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301017
Sample ID: MAG-5.05

Date Collected: 07/31/2023 14:50
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00079 U	mg/Kg	0.0032	0.00079	1	08/07/2023 06:30	08/07/2023 22:01	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0032	0.0016	1	08/07/2023 06:30	08/07/2023 22:01	M
2-Chlorotoluene	0.00080 U	mg/Kg	0.0032	0.00080	1	08/07/2023 06:30	08/07/2023 22:01	M
2-Hexanone	0.00061 U	mg/Kg	0.0032	0.00061	1	08/07/2023 06:30	08/07/2023 22:01	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 06:30	08/07/2023 22:01	M
4-Methyl-2-pentanone (MIBK)	0.00088 U	mg/Kg	0.0032	0.00088	1	08/07/2023 06:30	08/07/2023 22:01	M
Acetone	0.0011 U	mg/Kg	0.0032	0.0011	1	08/07/2023 06:30	08/07/2023 22:01	M
Acrolein (Propenal)	0.0083 U	mg/Kg	0.016	0.0083	1	08/07/2023 06:30	08/07/2023 22:01	M
Acrylonitrile	0.0014 U	mg/Kg	0.0032	0.0014	1	08/07/2023 06:30	08/07/2023 22:01	M
Benzene	0.00032 U	mg/Kg	0.0032	0.00032	1	08/07/2023 06:30	08/07/2023 22:01	M
Bromobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 06:30	08/07/2023 22:01	M
Bromochloromethane	0.00067 U	mg/Kg	0.0032	0.00067	1	08/07/2023 06:30	08/07/2023 22:01	M
Bromodichloromethane	0.00080 U	mg/Kg	0.0032	0.00080	1	08/07/2023 06:30	08/07/2023 22:01	M
Bromoform	0.00094 U	mg/Kg	0.0032	0.00094	1	08/07/2023 06:30	08/07/2023 22:01	M
Bromomethane	0.0022 U	mg/Kg	0.0032	0.0022	1	08/07/2023 06:30	08/07/2023 22:01	M
Carbon Disulfide	0.00058 U	mg/Kg	0.0032	0.00058	1	08/07/2023 06:30	08/07/2023 22:01	M
Carbon Tetrachloride	0.00047 U	mg/Kg	0.0032	0.00047	1	08/07/2023 06:30	08/07/2023 22:01	M
Chlorobenzene	0.00040 U	mg/Kg	0.0032	0.00040	1	08/07/2023 06:30	08/07/2023 22:01	M
Chloroethane	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 06:30	08/07/2023 22:01	M
Chloroform	0.00051 U	mg/Kg	0.0032	0.00051	1	08/07/2023 06:30	08/07/2023 22:01	M
Chloromethane	0.00079 U	mg/Kg	0.0032	0.00079	1	08/07/2023 06:30	08/07/2023 22:01	M
Dibromochloromethane	0.00045 U	mg/Kg	0.0032	0.00045	1	08/07/2023 06:30	08/07/2023 22:01	M
Dibromomethane	0.00061 U	mg/Kg	0.0032	0.00061	1	08/07/2023 06:30	08/07/2023 22:01	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0032	0.0010	1	08/07/2023 06:30	08/07/2023 22:01	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301017
Sample ID: MAG-5.05

Date Collected: 07/31/2023 14:50
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00041 U	mg/Kg	0.0032	0.00041	1	08/07/2023 06:30	08/07/2023 22:01	M
Ethylene Dibromide (EDB)	0.00059 U	mg/Kg	0.0032	0.00059	1	08/07/2023 06:30	08/07/2023 22:01	M
Hexachlorobutadiene	0.00079 U	mg/Kg	0.0032	0.00079	1	08/07/2023 06:30	08/07/2023 22:01	M
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0032	0.0022	1	08/07/2023 06:30	08/07/2023 22:01	M
Isopropylbenzene	0.00072 U	mg/Kg	0.0032	0.00072	1	08/07/2023 06:30	08/07/2023 22:01	M
Methyl tert-butyl Ether (MTBE)	0.00046 U	mg/Kg	0.0032	0.00046	1	08/07/2023 06:30	08/07/2023 22:01	M
Methylene Chloride	0.0013 U	mg/Kg	0.0032	0.0013	1	08/07/2023 06:30	08/07/2023 22:01	M
Naphthalene	0.00072 U	mg/Kg	0.0032	0.00072	1	08/07/2023 06:30	08/07/2023 22:01	M
Styrene	0.00034 U	mg/Kg	0.0032	0.00034	1	08/07/2023 06:30	08/07/2023 22:01	M
Tetrachloroethylene (PCE)	0.0012 I	mg/Kg	0.0032	0.00065	1	08/07/2023 06:30	08/07/2023 22:01	M
Toluene	0.00049 U	mg/Kg	0.0032	0.00049	1	08/07/2023 06:30	08/07/2023 22:01	M
Trichloroethene	0.00062 U	mg/Kg	0.0032	0.00062	1	08/07/2023 06:30	08/07/2023 22:01	M
Trichlorofluoromethane	0.00044 U	mg/Kg	0.0032	0.00044	1	08/07/2023 06:30	08/07/2023 22:01	M
Vinyl Acetate	0.00047 U	mg/Kg	0.0032	0.00047	1	08/07/2023 06:30	08/07/2023 22:01	M
Vinyl Chloride	0.00055 U	mg/Kg	0.0032	0.00055	1	08/07/2023 06:30	08/07/2023 22:01	M
Xylene (Total)	0.0012 U	mg/Kg	0.0064	0.0012	1	08/07/2023 06:30	08/07/2023 22:01	M
cis-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0032	0.00048	1	08/07/2023 06:30	08/07/2023 22:01	M
cis-1,3-Dichloropropene	0.00039 U	mg/Kg	0.0032	0.00039	1	08/07/2023 06:30	08/07/2023 22:01	M
n-Butylbenzene	0.00075 U	mg/Kg	0.0032	0.00075	1	08/07/2023 06:30	08/07/2023 22:01	M
n-propylbenzene	0.00081 U	mg/Kg	0.0032	0.00081	1	08/07/2023 06:30	08/07/2023 22:01	M
sec-butylbenzene	0.00087 U	mg/Kg	0.0032	0.00087	1	08/07/2023 06:30	08/07/2023 22:01	M
tert-butylbenzene	0.00075 U	mg/Kg	0.0032	0.00075	1	08/07/2023 06:30	08/07/2023 22:01	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301017
Sample ID: MAG-5.05

Date Collected: 07/31/2023 14:50
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00050 U	mg/Kg	0.0032	0.00050	1	08/07/2023 06:30	08/07/2023 22:01	M
trans-1,3-Dichloropropylene	0.00041 U	mg/Kg	0.0032	0.00041	1	08/07/2023 06:30	08/07/2023 22:01	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	53	59	111	69 - 134	M
Toluene-d8 (S)	ug/Kg	53	57	108	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	53	61	115	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301018
Sample ID: MAG-5.2

Date Collected: 07/31/2023 14:55
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	1.0	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00045	U mg/Kg	0.0034	0.00045	1	08/07/2023 06:30	08/07/2023 22:28	M
1,1,1-Trichloroethane	0.00060	U mg/Kg	0.0034	0.00060	1	08/07/2023 06:30	08/07/2023 22:28	M
1,1,2,2-Tetrachloroethane	0.00096	U mg/Kg	0.0034	0.00096	1	08/07/2023 06:30	08/07/2023 22:28	M
1,1,2-Trichloroethane	0.00036	U mg/Kg	0.0034	0.00036	1	08/07/2023 06:30	08/07/2023 22:28	M
1,1-Dichloroethane	0.00046	U mg/Kg	0.0034	0.00046	1	08/07/2023 06:30	08/07/2023 22:28	M
1,1-Dichloroethylene	0.00059	U mg/Kg	0.0034	0.00059	1	08/07/2023 06:30	08/07/2023 22:28	M
1,1-Dichloropropene	0.00049	U mg/Kg	0.0034	0.00049	1	08/07/2023 06:30	08/07/2023 22:28	M
1,2,3-Trichlorobenzene	0.00089	U mg/Kg	0.0034	0.00089	1	08/07/2023 06:30	08/07/2023 22:28	M
1,2,3-Trichloropropane	0.00089	U mg/Kg	0.0034	0.00089	1	08/07/2023 06:30	08/07/2023 22:28	M
1,2,4-Trichlorobenzene	0.00090	U mg/Kg	0.0034	0.00090	1	08/07/2023 06:30	08/07/2023 22:28	M
1,2,4-Trimethylbenzene	0.00088	U mg/Kg	0.0034	0.00088	1	08/07/2023 06:30	08/07/2023 22:28	M
1,2-Dibromo-3-Chloropropane	0.00068	U mg/Kg	0.0034	0.00068	1	08/07/2023 06:30	08/07/2023 22:28	M
1,2-Dichlorobenzene	0.0012	U mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 22:28	M
1,2-Dichloroethane	0.00041	U mg/Kg	0.0034	0.00041	1	08/07/2023 06:30	08/07/2023 22:28	M
1,2-Dichloropropane	0.00064	U mg/Kg	0.0034	0.00064	1	08/07/2023 06:30	08/07/2023 22:28	M
1,3,5-Trimethylbenzene	0.00094	U mg/Kg	0.0034	0.00094	1	08/07/2023 06:30	08/07/2023 22:28	M
1,3-Dichlorobenzene	0.0012	U mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 22:28	M
1,3-Dichloropropane	0.00055	U mg/Kg	0.0034	0.00055	1	08/07/2023 06:30	08/07/2023 22:28	M
1,4-Dichlorobenzene	0.0012	U mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 22:28	M
2,2-Dichloropropane	0.00037	U mg/Kg	0.0034	0.00037	1	08/07/2023 06:30	08/07/2023 22:28	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301018
Sample ID: MAG-5.2

Date Collected: 07/31/2023 14:55
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00084 U	mg/Kg	0.0034	0.00084	1	08/07/2023 06:30	08/07/2023 22:28	M
2-Chloroethyl Vinyl Ether	0.0017 U	mg/Kg	0.0034	0.0017	1	08/07/2023 06:30	08/07/2023 22:28	M
2-Chlorotoluene	0.00085 U	mg/Kg	0.0034	0.00085	1	08/07/2023 06:30	08/07/2023 22:28	M
2-Hexanone	0.00064 U	mg/Kg	0.0034	0.00064	1	08/07/2023 06:30	08/07/2023 22:28	M
4-Chlorotoluene	0.0013 U	mg/Kg	0.0034	0.0013	1	08/07/2023 06:30	08/07/2023 22:28	M
4-Methyl-2-pentanone (MIBK)	0.00093 U	mg/Kg	0.0034	0.00093	1	08/07/2023 06:30	08/07/2023 22:28	M
Acetone	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 22:28	M
Acrolein (Propenal)	0.0088 U	mg/Kg	0.017	0.0088	1	08/07/2023 06:30	08/07/2023 22:28	M
Acrylonitrile	0.0015 U	mg/Kg	0.0034	0.0015	1	08/07/2023 06:30	08/07/2023 22:28	M
Benzene	0.00034 U	mg/Kg	0.0034	0.00034	1	08/07/2023 06:30	08/07/2023 22:28	M
Bromobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 22:28	M
Bromochloromethane	0.00071 U	mg/Kg	0.0034	0.00071	1	08/07/2023 06:30	08/07/2023 22:28	M
Bromodichloromethane	0.00085 U	mg/Kg	0.0034	0.00085	1	08/07/2023 06:30	08/07/2023 22:28	M
Bromoform	0.00099 U	mg/Kg	0.0034	0.00099	1	08/07/2023 06:30	08/07/2023 22:28	M
Bromomethane	0.0024 U	mg/Kg	0.0034	0.0024	1	08/07/2023 06:30	08/07/2023 22:28	M
Carbon Disulfide	0.00061 U	mg/Kg	0.0034	0.00061	1	08/07/2023 06:30	08/07/2023 22:28	M
Carbon Tetrachloride	0.00050 U	mg/Kg	0.0034	0.00050	1	08/07/2023 06:30	08/07/2023 22:28	M
Chlorobenzene	0.00042 U	mg/Kg	0.0034	0.00042	1	08/07/2023 06:30	08/07/2023 22:28	M
Chloroethane	0.0013 U	mg/Kg	0.0034	0.0013	1	08/07/2023 06:30	08/07/2023 22:28	M
Chloroform	0.00054 U	mg/Kg	0.0034	0.00054	1	08/07/2023 06:30	08/07/2023 22:28	M
Chloromethane	0.00084 U	mg/Kg	0.0034	0.00084	1	08/07/2023 06:30	08/07/2023 22:28	M
Dibromochloromethane	0.00047 U	mg/Kg	0.0034	0.00047	1	08/07/2023 06:30	08/07/2023 22:28	M
Dibromomethane	0.00064 U	mg/Kg	0.0034	0.00064	1	08/07/2023 06:30	08/07/2023 22:28	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0034	0.0011	1	08/07/2023 06:30	08/07/2023 22:28	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301018
Sample ID: MAG-5.2

Date Collected: 07/31/2023 14:55
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/07/2023 06:30	08/07/2023 22:28	M
Ethylene Dibromide (EDB)	0.00062 U	mg/Kg	0.0034	0.00062	1	08/07/2023 06:30	08/07/2023 22:28	M
Hexachlorobutadiene	0.00084 U	mg/Kg	0.0034	0.00084	1	08/07/2023 06:30	08/07/2023 22:28	M
Iodomethane (Methyl Iodide)	0.0023 U	mg/Kg	0.0034	0.0023	1	08/07/2023 06:30	08/07/2023 22:28	M
Isopropylbenzene	0.00076 U	mg/Kg	0.0034	0.00076	1	08/07/2023 06:30	08/07/2023 22:28	M
Methyl tert-butyl Ether (MTBE)	0.00049 U	mg/Kg	0.0034	0.00049	1	08/07/2023 06:30	08/07/2023 22:28	M
Methylene Chloride	0.0014 U	mg/Kg	0.0034	0.0014	1	08/07/2023 06:30	08/07/2023 22:28	M
Naphthalene	0.00076 U	mg/Kg	0.0034	0.00076	1	08/07/2023 06:30	08/07/2023 22:28	M
Styrene	0.00036 U	mg/Kg	0.0034	0.00036	1	08/07/2023 06:30	08/07/2023 22:28	M
Tetrachloroethylene (PCE)	0.00069 U	mg/Kg	0.0034	0.00069	1	08/07/2023 06:30	08/07/2023 22:28	M
Toluene	0.00052 U	mg/Kg	0.0034	0.00052	1	08/07/2023 06:30	08/07/2023 22:28	M
Trichloroethene	0.00066 U	mg/Kg	0.0034	0.00066	1	08/07/2023 06:30	08/07/2023 22:28	M
Trichlorofluoromethane	0.00046 U	mg/Kg	0.0034	0.00046	1	08/07/2023 06:30	08/07/2023 22:28	M
Vinyl Acetate	0.00050 U	mg/Kg	0.0034	0.00050	1	08/07/2023 06:30	08/07/2023 22:28	M
Vinyl Chloride	0.00058 U	mg/Kg	0.0034	0.00058	1	08/07/2023 06:30	08/07/2023 22:28	M
Xylene (Total)	0.0012 U	mg/Kg	0.0068	0.0012	1	08/07/2023 06:30	08/07/2023 22:28	M
cis-1,2-Dichloroethylene	0.00051 U	mg/Kg	0.0034	0.00051	1	08/07/2023 06:30	08/07/2023 22:28	M
cis-1,3-Dichloropropene	0.00041 U	mg/Kg	0.0034	0.00041	1	08/07/2023 06:30	08/07/2023 22:28	M
n-Butylbenzene	0.00079 U	mg/Kg	0.0034	0.00079	1	08/07/2023 06:30	08/07/2023 22:28	M
n-propylbenzene	0.00086 U	mg/Kg	0.0034	0.00086	1	08/07/2023 06:30	08/07/2023 22:28	M
sec-butylbenzene	0.00092 U	mg/Kg	0.0034	0.00092	1	08/07/2023 06:30	08/07/2023 22:28	M
tert-butylbenzene	0.00079 U	mg/Kg	0.0034	0.00079	1	08/07/2023 06:30	08/07/2023 22:28	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301018
Sample ID: MAG-5.2

Date Collected: 07/31/2023 14:55
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00053 U	mg/Kg	0.0034	0.00053	1	08/07/2023 06:30	08/07/2023 22:28	M
trans-1,3-Dichloropropylene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/07/2023 06:30	08/07/2023 22:28	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	56	62	111	69 - 134	M
Toluene-d8 (S)	ug/Kg	56	59	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	56	63	112	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301019
Sample ID: MAG-5.4

Date Collected: 07/31/2023 15:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	0.34	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00045 U	mg/Kg	0.0034	0.00045	1	08/07/2023 06:30	08/07/2023 22:53	M
1,1,1-Trichloroethane	0.00060 U	mg/Kg	0.0034	0.00060	1	08/07/2023 06:30	08/07/2023 22:53	M
1,1,2,2-Tetrachloroethane	0.00096 U	mg/Kg	0.0034	0.00096	1	08/07/2023 06:30	08/07/2023 22:53	M
1,1,2-Trichloroethane	0.00036 U	mg/Kg	0.0034	0.00036	1	08/07/2023 06:30	08/07/2023 22:53	M
1,1-Dichloroethane	0.00046 U	mg/Kg	0.0034	0.00046	1	08/07/2023 06:30	08/07/2023 22:53	M
1,1-Dichloroethylene	0.00059 U	mg/Kg	0.0034	0.00059	1	08/07/2023 06:30	08/07/2023 22:53	M
1,1-Dichloropropene	0.00048 U	mg/Kg	0.0034	0.00048	1	08/07/2023 06:30	08/07/2023 22:53	M
1,2,3-Trichlorobenzene	0.00089 U	mg/Kg	0.0034	0.00089	1	08/07/2023 06:30	08/07/2023 22:53	M
1,2,3-Trichloropropane	0.00089 U	mg/Kg	0.0034	0.00089	1	08/07/2023 06:30	08/07/2023 22:53	M
1,2,4-Trichlorobenzene	0.00090 U	mg/Kg	0.0034	0.00090	1	08/07/2023 06:30	08/07/2023 22:53	M
1,2,4-Trimethylbenzene	0.00088 U	mg/Kg	0.0034	0.00088	1	08/07/2023 06:30	08/07/2023 22:53	M
1,2-Dibromo-3-Chloropropane	0.00068 U	mg/Kg	0.0034	0.00068	1	08/07/2023 06:30	08/07/2023 22:53	M
1,2-Dichlorobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 22:53	M
1,2-Dichloroethane	0.00041 U	mg/Kg	0.0034	0.00041	1	08/07/2023 06:30	08/07/2023 22:53	M
1,2-Dichloropropane	0.00064 U	mg/Kg	0.0034	0.00064	1	08/07/2023 06:30	08/07/2023 22:53	M
1,3,5-Trimethylbenzene	0.00094 U	mg/Kg	0.0034	0.00094	1	08/07/2023 06:30	08/07/2023 22:53	M
1,3-Dichlorobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 22:53	M
1,3-Dichloropropane	0.00055 U	mg/Kg	0.0034	0.00055	1	08/07/2023 06:30	08/07/2023 22:53	M
1,4-Dichlorobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 22:53	M
2,2-Dichloropropane	0.00037 U	mg/Kg	0.0034	0.00037	1	08/07/2023 06:30	08/07/2023 22:53	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301019
Sample ID: MAG-5.4

Date Collected: 07/31/2023 15:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00083 U	mg/Kg	0.0034	0.00083	1	08/07/2023 06:30	08/07/2023 22:53	M
2-Chloroethyl Vinyl Ether	0.0017 U	mg/Kg	0.0034	0.0017	1	08/07/2023 06:30	08/07/2023 22:53	M
2-Chlorotoluene	0.00085 U	mg/Kg	0.0034	0.00085	1	08/07/2023 06:30	08/07/2023 22:53	M
2-Hexanone	0.00064 U	mg/Kg	0.0034	0.00064	1	08/07/2023 06:30	08/07/2023 22:53	M
4-Chlorotoluene	0.0013 U	mg/Kg	0.0034	0.0013	1	08/07/2023 06:30	08/07/2023 22:53	M
4-Methyl-2-pentanone (MIBK)	0.00092 U	mg/Kg	0.0034	0.00092	1	08/07/2023 06:30	08/07/2023 22:53	M
Acetone	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 22:53	M
Acrolein (Propenal)	0.0088 U	mg/Kg	0.017	0.0088	1	08/07/2023 06:30	08/07/2023 22:53	M
Acrylonitrile	0.0015 U	mg/Kg	0.0034	0.0015	1	08/07/2023 06:30	08/07/2023 22:53	M
Benzene	0.00034 U	mg/Kg	0.0034	0.00034	1	08/07/2023 06:30	08/07/2023 22:53	M
Bromobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 22:53	M
Bromochloromethane	0.00071 U	mg/Kg	0.0034	0.00071	1	08/07/2023 06:30	08/07/2023 22:53	M
Bromodichloromethane	0.00085 U	mg/Kg	0.0034	0.00085	1	08/07/2023 06:30	08/07/2023 22:53	M
Bromoform	0.00099 U	mg/Kg	0.0034	0.00099	1	08/07/2023 06:30	08/07/2023 22:53	M
Bromomethane	0.0024 U	mg/Kg	0.0034	0.0024	1	08/07/2023 06:30	08/07/2023 22:53	M
Carbon Disulfide	0.00061 U	mg/Kg	0.0034	0.00061	1	08/07/2023 06:30	08/07/2023 22:53	M
Carbon Tetrachloride	0.00050 U	mg/Kg	0.0034	0.00050	1	08/07/2023 06:30	08/07/2023 22:53	M
Chlorobenzene	0.00042 U	mg/Kg	0.0034	0.00042	1	08/07/2023 06:30	08/07/2023 22:53	M
Chloroethane	0.0013 U	mg/Kg	0.0034	0.0013	1	08/07/2023 06:30	08/07/2023 22:53	M
Chloroform	0.00054 U	mg/Kg	0.0034	0.00054	1	08/07/2023 06:30	08/07/2023 22:53	M
Chloromethane	0.00083 U	mg/Kg	0.0034	0.00083	1	08/07/2023 06:30	08/07/2023 22:53	M
Dibromochloromethane	0.00047 U	mg/Kg	0.0034	0.00047	1	08/07/2023 06:30	08/07/2023 22:53	M
Dibromomethane	0.00064 U	mg/Kg	0.0034	0.00064	1	08/07/2023 06:30	08/07/2023 22:53	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0034	0.0011	1	08/07/2023 06:30	08/07/2023 22:53	M

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Dates and times are displayed using (-04:00)
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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301019
Sample ID: MAG-5.4

Date Collected: 07/31/2023 15:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/07/2023 06:30	08/07/2023 22:53	M
Ethylene Dibromide (EDB)	0.00062 U	mg/Kg	0.0034	0.00062	1	08/07/2023 06:30	08/07/2023 22:53	M
Hexachlorobutadiene	0.00083 U	mg/Kg	0.0034	0.00083	1	08/07/2023 06:30	08/07/2023 22:53	M
Iodomethane (Methyl Iodide)	0.0023 U	mg/Kg	0.0034	0.0023	1	08/07/2023 06:30	08/07/2023 22:53	M
Isopropylbenzene	0.00076 U	mg/Kg	0.0034	0.00076	1	08/07/2023 06:30	08/07/2023 22:53	M
Methyl tert-butyl Ether (MTBE)	0.00048 U	mg/Kg	0.0034	0.00048	1	08/07/2023 06:30	08/07/2023 22:53	M
Methylene Chloride	0.0014 U	mg/Kg	0.0034	0.0014	1	08/07/2023 06:30	08/07/2023 22:53	M
Naphthalene	0.00076 U	mg/Kg	0.0034	0.00076	1	08/07/2023 06:30	08/07/2023 22:53	M
Styrene	0.00036 U	mg/Kg	0.0034	0.00036	1	08/07/2023 06:30	08/07/2023 22:53	M
Tetrachloroethylene (PCE)	0.00069 U	mg/Kg	0.0034	0.00069	1	08/07/2023 06:30	08/07/2023 22:53	M
Toluene	0.00052 U	mg/Kg	0.0034	0.00052	1	08/07/2023 06:30	08/07/2023 22:53	M
Trichloroethene	0.00065 U	mg/Kg	0.0034	0.00065	1	08/07/2023 06:30	08/07/2023 22:53	M
Trichlorofluoromethane	0.00046 U	mg/Kg	0.0034	0.00046	1	08/07/2023 06:30	08/07/2023 22:53	M
Vinyl Acetate	0.00050 U	mg/Kg	0.0034	0.00050	1	08/07/2023 06:30	08/07/2023 22:53	M
Vinyl Chloride	0.00057 U	mg/Kg	0.0034	0.00057	1	08/07/2023 06:30	08/07/2023 22:53	M
Xylene (Total)	0.0012 U	mg/Kg	0.0068	0.0012	1	08/07/2023 06:30	08/07/2023 22:53	M
cis-1,2-Dichloroethylene	0.00051 U	mg/Kg	0.0034	0.00051	1	08/07/2023 06:30	08/07/2023 22:53	M
cis-1,3-Dichloropropene	0.00041 U	mg/Kg	0.0034	0.00041	1	08/07/2023 06:30	08/07/2023 22:53	M
n-Butylbenzene	0.00079 U	mg/Kg	0.0034	0.00079	1	08/07/2023 06:30	08/07/2023 22:53	M
n-propylbenzene	0.00086 U	mg/Kg	0.0034	0.00086	1	08/07/2023 06:30	08/07/2023 22:53	M
sec-butylbenzene	0.00091 U	mg/Kg	0.0034	0.00091	1	08/07/2023 06:30	08/07/2023 22:53	M
tert-butylbenzene	0.00079 U	mg/Kg	0.0034	0.00079	1	08/07/2023 06:30	08/07/2023 22:53	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301019
Sample ID: MAG-5.4

Date Collected: 07/31/2023 15:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00053 U	mg/Kg	0.0034	0.00053	1	08/07/2023 06:30	08/07/2023 22:53	M
trans-1,3-Dichloropropylene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/07/2023 06:30	08/07/2023 22:53	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	56	63	113	69 - 134	M
Toluene-d8 (S)	ug/Kg	56	61	108	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	56	63	112	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301020
Sample ID: MAG-5.6

Date Collected: 07/31/2023 15:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	2.8	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00045	U mg/Kg	0.0034	0.00045	1	08/07/2023 06:30	08/07/2023 23:17	M
1,1,1-Trichloroethane	0.00059	U mg/Kg	0.0034	0.00059	1	08/07/2023 06:30	08/07/2023 23:17	M
1,1,2,2-Tetrachloroethane	0.00095	U mg/Kg	0.0034	0.00095	1	08/07/2023 06:30	08/07/2023 23:17	M
1,1,2-Trichloroethane	0.00036	U mg/Kg	0.0034	0.00036	1	08/07/2023 06:30	08/07/2023 23:17	M
1,1-Dichloroethane	0.00046	U mg/Kg	0.0034	0.00046	1	08/07/2023 06:30	08/07/2023 23:17	M
1,1-Dichloroethylene	0.00058	U mg/Kg	0.0034	0.00058	1	08/07/2023 06:30	08/07/2023 23:17	M
1,1-Dichloropropene	0.00048	U mg/Kg	0.0034	0.00048	1	08/07/2023 06:30	08/07/2023 23:17	M
1,2,3-Trichlorobenzene	0.00088	U mg/Kg	0.0034	0.00088	1	08/07/2023 06:30	08/07/2023 23:17	M
1,2,3-Trichloropropane	0.00088	U mg/Kg	0.0034	0.00088	1	08/07/2023 06:30	08/07/2023 23:17	M
1,2,4-Trichlorobenzene	0.00089	U mg/Kg	0.0034	0.00089	1	08/07/2023 06:30	08/07/2023 23:17	M
1,2,4-Trimethylbenzene	0.00087	U mg/Kg	0.0034	0.00087	1	08/07/2023 06:30	08/07/2023 23:17	M
1,2-Dibromo-3-Chloropropane	0.00067	U mg/Kg	0.0034	0.00067	1	08/07/2023 06:30	08/07/2023 23:17	M
1,2-Dichlorobenzene	0.0012	U mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 23:17	M
1,2-Dichloroethane	0.00040	U mg/Kg	0.0034	0.00040	1	08/07/2023 06:30	08/07/2023 23:17	M
1,2-Dichloropropane	0.00064	U mg/Kg	0.0034	0.00064	1	08/07/2023 06:30	08/07/2023 23:17	M
1,3,5-Trimethylbenzene	0.00093	U mg/Kg	0.0034	0.00093	1	08/07/2023 06:30	08/07/2023 23:17	M
1,3-Dichlorobenzene	0.0012	U mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 23:17	M
1,3-Dichloropropane	0.00055	U mg/Kg	0.0034	0.00055	1	08/07/2023 06:30	08/07/2023 23:17	M
1,4-Dichlorobenzene	0.0012	U mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 23:17	M
2,2-Dichloropropane	0.00037	U mg/Kg	0.0034	0.00037	1	08/07/2023 06:30	08/07/2023 23:17	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301020
Sample ID: MAG-5.6

Date Collected: 07/31/2023 15:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00083 U	mg/Kg	0.0034	0.00083	1	08/07/2023 06:30	08/07/2023 23:17	M
2-Chloroethyl Vinyl Ether	0.0017 U	mg/Kg	0.0034	0.0017	1	08/07/2023 06:30	08/07/2023 23:17	M
2-Chlorotoluene	0.00084 U	mg/Kg	0.0034	0.00084	1	08/07/2023 06:30	08/07/2023 23:17	M
2-Hexanone	0.00064 U	mg/Kg	0.0034	0.00064	1	08/07/2023 06:30	08/07/2023 23:17	M
4-Chlorotoluene	0.0013 U	mg/Kg	0.0034	0.0013	1	08/07/2023 06:30	08/07/2023 23:17	M
4-Methyl-2-pentanone (MIBK)	0.00092 U	mg/Kg	0.0034	0.00092	1	08/07/2023 06:30	08/07/2023 23:17	M
Acetone	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 23:17	M
Acrolein (Propenal)	0.0087 U	mg/Kg	0.017	0.0087	1	08/07/2023 06:30	08/07/2023 23:17	M
Acrylonitrile	0.0015 U	mg/Kg	0.0034	0.0015	1	08/07/2023 06:30	08/07/2023 23:17	M
Benzene	0.00034 U	mg/Kg	0.0034	0.00034	1	08/07/2023 06:30	08/07/2023 23:17	M
Bromobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 06:30	08/07/2023 23:17	M
Bromochloromethane	0.00070 U	mg/Kg	0.0034	0.00070	1	08/07/2023 06:30	08/07/2023 23:17	M
Bromodichloromethane	0.00084 U	mg/Kg	0.0034	0.00084	1	08/07/2023 06:30	08/07/2023 23:17	M
Bromoform	0.00098 U	mg/Kg	0.0034	0.00098	1	08/07/2023 06:30	08/07/2023 23:17	M
Bromomethane	0.0023 U	mg/Kg	0.0034	0.0023	1	08/07/2023 06:30	08/07/2023 23:17	M
Carbon Disulfide	0.00060 U	mg/Kg	0.0034	0.00060	1	08/07/2023 06:30	08/07/2023 23:17	M
Carbon Tetrachloride	0.00049 U	mg/Kg	0.0034	0.00049	1	08/07/2023 06:30	08/07/2023 23:17	M
Chlorobenzene	0.00041 U	mg/Kg	0.0034	0.00041	1	08/07/2023 06:30	08/07/2023 23:17	M
Chloroethane	0.0013 U	mg/Kg	0.0034	0.0013	1	08/07/2023 06:30	08/07/2023 23:17	M
Chloroform	0.00054 U	mg/Kg	0.0034	0.00054	1	08/07/2023 06:30	08/07/2023 23:17	M
Chloromethane	0.00083 U	mg/Kg	0.0034	0.00083	1	08/07/2023 06:30	08/07/2023 23:17	M
Dibromochloromethane	0.00047 U	mg/Kg	0.0034	0.00047	1	08/07/2023 06:30	08/07/2023 23:17	M
Dibromomethane	0.00064 U	mg/Kg	0.0034	0.00064	1	08/07/2023 06:30	08/07/2023 23:17	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0034	0.0011	1	08/07/2023 06:30	08/07/2023 23:17	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301020
Sample ID: MAG-5.6

Date Collected: 07/31/2023 15:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/07/2023 06:30	08/07/2023 23:17	M
Ethylene Dibromide (EDB)	0.00062 U	mg/Kg	0.0034	0.00062	1	08/07/2023 06:30	08/07/2023 23:17	M
Hexachlorobutadiene	0.00083 U	mg/Kg	0.0034	0.00083	1	08/07/2023 06:30	08/07/2023 23:17	M
Iodomethane (Methyl Iodide)	0.0023 U	mg/Kg	0.0034	0.0023	1	08/07/2023 06:30	08/07/2023 23:17	M
Isopropylbenzene	0.00076 U	mg/Kg	0.0034	0.00076	1	08/07/2023 06:30	08/07/2023 23:17	M
Methyl tert-butyl Ether (MTBE)	0.00048 U	mg/Kg	0.0034	0.00048	1	08/07/2023 06:30	08/07/2023 23:17	M
Methylene Chloride	0.0014 U	mg/Kg	0.0034	0.0014	1	08/07/2023 06:30	08/07/2023 23:17	M
Naphthalene	0.00075 U	mg/Kg	0.0034	0.00075	1	08/07/2023 06:30	08/07/2023 23:17	M
Styrene	0.00036 U	mg/Kg	0.0034	0.00036	1	08/07/2023 06:30	08/07/2023 23:17	M
Tetrachloroethylene (PCE)	0.00068 U	mg/Kg	0.0034	0.00068	1	08/07/2023 06:30	08/07/2023 23:17	M
Toluene	0.00051 U	mg/Kg	0.0034	0.00051	1	08/07/2023 06:30	08/07/2023 23:17	M
Trichloroethene	0.00065 U	mg/Kg	0.0034	0.00065	1	08/07/2023 06:30	08/07/2023 23:17	M
Trichlorofluoromethane	0.00046 U	mg/Kg	0.0034	0.00046	1	08/07/2023 06:30	08/07/2023 23:17	M
Vinyl Acetate	0.00049 U	mg/Kg	0.0034	0.00049	1	08/07/2023 06:30	08/07/2023 23:17	M
Vinyl Chloride	0.00057 U	mg/Kg	0.0034	0.00057	1	08/07/2023 06:30	08/07/2023 23:17	M
Xylene (Total)	0.0012 U	mg/Kg	0.0067	0.0012	1	08/07/2023 06:30	08/07/2023 23:17	M
cis-1,2-Dichloroethylene	0.00050 U	mg/Kg	0.0034	0.00050	1	08/07/2023 06:30	08/07/2023 23:17	M
cis-1,3-Dichloropropene	0.00040 U	mg/Kg	0.0034	0.00040	1	08/07/2023 06:30	08/07/2023 23:17	M
n-Butylbenzene	0.00078 U	mg/Kg	0.0034	0.00078	1	08/07/2023 06:30	08/07/2023 23:17	M
n-propylbenzene	0.00085 U	mg/Kg	0.0034	0.00085	1	08/07/2023 06:30	08/07/2023 23:17	M
sec-butylbenzene	0.00091 U	mg/Kg	0.0034	0.00091	1	08/07/2023 06:30	08/07/2023 23:17	M
tert-butylbenzene	0.00078 U	mg/Kg	0.0034	0.00078	1	08/07/2023 06:30	08/07/2023 23:17	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301020
Sample ID: MAG-5.6

Date Collected: 07/31/2023 15:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00053 U	mg/Kg	0.0034	0.00053	1	08/07/2023 06:30	08/07/2023 23:17	M
trans-1,3-Dichloropropylene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/07/2023 06:30	08/07/2023 23:17	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	54	59	109	69 - 134	M
Toluene-d8 (S)	ug/Kg	54	58	107	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	54	61	113	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301021
Sample ID: MAG-6.05

Date Collected: 08/01/2023 13:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	2.0	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0031	0.00041	1	08/07/2023 16:49	08/08/2023 12:31	M
1,1,1-Trichloroethane	0.00054 U	mg/Kg	0.0031	0.00054	1	08/07/2023 16:49	08/08/2023 12:31	M
1,1,2,2-Tetrachloroethane	0.00087 U	mg/Kg	0.0031	0.00087	1	08/07/2023 16:49	08/08/2023 12:31	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/07/2023 16:49	08/08/2023 12:31	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/07/2023 16:49	08/08/2023 12:31	M
1,1-Dichloroethylene	0.00053 U	mg/Kg	0.0031	0.00053	1	08/07/2023 16:49	08/08/2023 12:31	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0031	0.00044	1	08/07/2023 16:49	08/08/2023 12:31	M
1,2,3-Trichlorobenzene	0.00081 U	mg/Kg	0.0031	0.00081	1	08/07/2023 16:49	08/08/2023 12:31	M
1,2,3-Trichloropropane	0.00080 U	mg/Kg	0.0031	0.00080	1	08/07/2023 16:49	08/08/2023 12:31	M
1,2,4-Trichlorobenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/07/2023 16:49	08/08/2023 12:31	M
1,2,4-Trimethylbenzene	0.00080 U	mg/Kg	0.0031	0.00080	1	08/07/2023 16:49	08/08/2023 12:31	M
1,2-Dibromo-3-Chloropropane	0.00061 U	mg/Kg	0.0031	0.00061	1	08/07/2023 16:49	08/08/2023 12:31	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 16:49	08/08/2023 12:31	M
1,2-Dichloroethane	0.00037 U	mg/Kg	0.0031	0.00037	1	08/07/2023 16:49	08/08/2023 12:31	M
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/07/2023 16:49	08/08/2023 12:31	M
1,3,5-Trimethylbenzene	0.00085 U	mg/Kg	0.0031	0.00085	1	08/07/2023 16:49	08/08/2023 12:31	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 16:49	08/08/2023 12:31	M
1,3-Dichloropropane	0.00050 U	mg/Kg	0.0031	0.00050	1	08/07/2023 16:49	08/08/2023 12:31	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 16:49	08/08/2023 12:31	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/07/2023 16:49	08/08/2023 12:31	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301021
Sample ID: MAG-6.05

Date Collected: 08/01/2023 13:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 16:49	08/08/2023 12:31	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0031	0.0015	1	08/07/2023 16:49	08/08/2023 12:31	M
2-Chlorotoluene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/07/2023 16:49	08/08/2023 12:31	M
2-Hexanone	0.00058 U	mg/Kg	0.0031	0.00058	1	08/07/2023 16:49	08/08/2023 12:31	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 16:49	08/08/2023 12:31	M
4-Methyl-2-pentanone (MIBK)	0.00084 U	mg/Kg	0.0031	0.00084	1	08/07/2023 16:49	08/08/2023 12:31	M
Acetone	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 16:49	08/08/2023 12:31	M
Acrolein (Propenal)	0.0079 U	mg/Kg	0.015	0.0079	1	08/07/2023 16:49	08/08/2023 12:31	M
Acrylonitrile	0.0013 U	mg/Kg	0.0031	0.0013	1	08/07/2023 16:49	08/08/2023 12:31	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/07/2023 16:49	08/08/2023 12:31	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 16:49	08/08/2023 12:31	M
Bromochloromethane	0.00064 U	mg/Kg	0.0031	0.00064	1	08/07/2023 16:49	08/08/2023 12:31	M
Bromodichloromethane	0.00077 U	mg/Kg	0.0031	0.00077	1	08/07/2023 16:49	08/08/2023 12:31	M
Bromoform	0.00090 U	mg/Kg	0.0031	0.00090	1	08/07/2023 16:49	08/08/2023 12:31	M
Bromomethane	0.0021 U	mg/Kg	0.0031	0.0021	1	08/07/2023 16:49	08/08/2023 12:31	M
Carbon Disulfide	0.00055 U	mg/Kg	0.0031	0.00055	1	08/07/2023 16:49	08/08/2023 12:31	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0031	0.00045	1	08/07/2023 16:49	08/08/2023 12:31	M
Chlorobenzene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/07/2023 16:49	08/08/2023 12:31	M
Chloroethane	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 16:49	08/08/2023 12:31	M
Chloroform	0.00049 U	mg/Kg	0.0031	0.00049	1	08/07/2023 16:49	08/08/2023 12:31	M
Chloromethane	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 16:49	08/08/2023 12:31	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/07/2023 16:49	08/08/2023 12:31	M
Dibromomethane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/07/2023 16:49	08/08/2023 12:31	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/07/2023 16:49	08/08/2023 12:31	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301021
Sample ID: MAG-6.05

Date Collected: 08/01/2023 13:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/07/2023 16:49	08/08/2023 12:31	M
Ethylene Dibromide (EDB)	0.00056 U	mg/Kg	0.0031	0.00056	1	08/07/2023 16:49	08/08/2023 12:31	M
Hexachlorobutadiene	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 16:49	08/08/2023 12:31	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0031	0.0021	1	08/07/2023 16:49	08/08/2023 12:31	M
Isopropylbenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/07/2023 16:49	08/08/2023 12:31	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0031	0.00044	1	08/07/2023 16:49	08/08/2023 12:31	M
Methylene Chloride	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 16:49	08/08/2023 12:31	M
Naphthalene	0.00068 U	mg/Kg	0.0031	0.00068	1	08/07/2023 16:49	08/08/2023 12:31	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/07/2023 16:49	08/08/2023 12:31	M
Tetrachloroethylene (PCE)	0.00062 U	mg/Kg	0.0031	0.00062	1	08/07/2023 16:49	08/08/2023 12:31	M
Toluene	0.00047 U	mg/Kg	0.0031	0.00047	1	08/07/2023 16:49	08/08/2023 12:31	M
Trichloroethene	0.00059 U	mg/Kg	0.0031	0.00059	1	08/07/2023 16:49	08/08/2023 12:31	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/07/2023 16:49	08/08/2023 12:31	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0031	0.00045	1	08/07/2023 16:49	08/08/2023 12:31	M
Vinyl Chloride	0.00052 U	mg/Kg	0.0031	0.00052	1	08/07/2023 16:49	08/08/2023 12:31	M
Xylene (Total)	0.0011 U	mg/Kg	0.0061	0.0011	1	08/07/2023 16:49	08/08/2023 12:31	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0031	0.00046	1	08/07/2023 16:49	08/08/2023 12:31	M
cis-1,3-Dichloropropene	0.00037 U	mg/Kg	0.0031	0.00037	1	08/07/2023 16:49	08/08/2023 12:31	M
n-Butylbenzene	0.00071 U	mg/Kg	0.0031	0.00071	1	08/07/2023 16:49	08/08/2023 12:31	M
n-propylbenzene	0.00078 U	mg/Kg	0.0031	0.00078	1	08/07/2023 16:49	08/08/2023 12:31	M
sec-butylbenzene	0.00083 U	mg/Kg	0.0031	0.00083	1	08/07/2023 16:49	08/08/2023 12:31	M
tert-butylbenzene	0.00071 U	mg/Kg	0.0031	0.00071	1	08/07/2023 16:49	08/08/2023 12:31	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301021
Sample ID: MAG-6.05

Date Collected: 08/01/2023 13:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/07/2023 16:49	08/08/2023 12:31	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/07/2023 16:49	08/08/2023 12:31	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	56	112	69 - 134	M
Toluene-d8 (S)	ug/Kg	50	53	107	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	50	55	111	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301022
Sample ID: MAG-6.2

Date Collected: 08/01/2023 13:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	1.9	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00043	U mg/Kg	0.0033	0.00043	1	08/07/2023 16:49	08/08/2023 12:59	M
1,1,1-Trichloroethane	0.00058	U mg/Kg	0.0033	0.00058	1	08/07/2023 16:49	08/08/2023 12:59	M
1,1,2,2-Tetrachloroethane	0.00092	U mg/Kg	0.0033	0.00092	1	08/07/2023 16:49	08/08/2023 12:59	M
1,1,2-Trichloroethane	0.00035	U mg/Kg	0.0033	0.00035	1	08/07/2023 16:49	08/08/2023 12:59	M
1,1-Dichloroethane	0.00045	U mg/Kg	0.0033	0.00045	1	08/07/2023 16:49	08/08/2023 12:59	M
1,1-Dichloroethylene	0.00057	U mg/Kg	0.0033	0.00057	1	08/07/2023 16:49	08/08/2023 12:59	M
1,1-Dichloropropene	0.00047	U mg/Kg	0.0033	0.00047	1	08/07/2023 16:49	08/08/2023 12:59	M
1,2,3-Trichlorobenzene	0.00086	U mg/Kg	0.0033	0.00086	1	08/07/2023 16:49	08/08/2023 12:59	M
1,2,3-Trichloropropane	0.00086	U mg/Kg	0.0033	0.00086	1	08/07/2023 16:49	08/08/2023 12:59	M
1,2,4-Trichlorobenzene	0.00087	U mg/Kg	0.0033	0.00087	1	08/07/2023 16:49	08/08/2023 12:59	M
1,2,4-Trimethylbenzene	0.00085	U mg/Kg	0.0033	0.00085	1	08/07/2023 16:49	08/08/2023 12:59	M
1,2-Dibromo-3-Chloropropane	0.00065	U mg/Kg	0.0033	0.00065	1	08/07/2023 16:49	08/08/2023 12:59	M
1,2-Dichlorobenzene	0.0012	U mg/Kg	0.0033	0.0012	1	08/07/2023 16:49	08/08/2023 12:59	M
1,2-Dichloroethane	0.00039	U mg/Kg	0.0033	0.00039	1	08/07/2023 16:49	08/08/2023 12:59	M
1,2-Dichloropropane	0.00062	U mg/Kg	0.0033	0.00062	1	08/07/2023 16:49	08/08/2023 12:59	M
1,3,5-Trimethylbenzene	0.00090	U mg/Kg	0.0033	0.00090	1	08/07/2023 16:49	08/08/2023 12:59	M
1,3-Dichlorobenzene	0.0011	U mg/Kg	0.0033	0.0011	1	08/07/2023 16:49	08/08/2023 12:59	M
1,3-Dichloropropane	0.00053	U mg/Kg	0.0033	0.00053	1	08/07/2023 16:49	08/08/2023 12:59	M
1,4-Dichlorobenzene	0.0012	U mg/Kg	0.0033	0.0012	1	08/07/2023 16:49	08/08/2023 12:59	M
2,2-Dichloropropane	0.00036	U mg/Kg	0.0033	0.00036	1	08/07/2023 16:49	08/08/2023 12:59	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301022
Sample ID: MAG-6.2

Date Collected: 08/01/2023 13:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00080 U	mg/Kg	0.0033	0.00080	1	08/07/2023 16:49	08/08/2023 12:59	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0033	0.0016	1	08/07/2023 16:49	08/08/2023 12:59	M
2-Chlorotoluene	0.00082 U	mg/Kg	0.0033	0.00082	1	08/07/2023 16:49	08/08/2023 12:59	M
2-Hexanone	0.00062 U	mg/Kg	0.0033	0.00062	1	08/07/2023 16:49	08/08/2023 12:59	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 16:49	08/08/2023 12:59	M
4-Methyl-2-pentanone (MIBK)	0.00089 U	mg/Kg	0.0033	0.00089	1	08/07/2023 16:49	08/08/2023 12:59	M
Acetone	0.0011 U	mg/Kg	0.0033	0.0011	1	08/07/2023 16:49	08/08/2023 12:59	M
Acrolein (Propenal)	0.0085 U	mg/Kg	0.016	0.0085	1	08/07/2023 16:49	08/08/2023 12:59	M
Acrylonitrile	0.0014 U	mg/Kg	0.0033	0.0014	1	08/07/2023 16:49	08/08/2023 12:59	M
Benzene	0.00033 U	mg/Kg	0.0033	0.00033	1	08/07/2023 16:49	08/08/2023 12:59	M
Bromobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 16:49	08/08/2023 12:59	M
Bromochloromethane	0.00068 U	mg/Kg	0.0033	0.00068	1	08/07/2023 16:49	08/08/2023 12:59	M
Bromodichloromethane	0.00082 U	mg/Kg	0.0033	0.00082	1	08/07/2023 16:49	08/08/2023 12:59	M
Bromoform	0.00096 U	mg/Kg	0.0033	0.00096	1	08/07/2023 16:49	08/08/2023 12:59	M
Bromomethane	0.0023 U	mg/Kg	0.0033	0.0023	1	08/07/2023 16:49	08/08/2023 12:59	M
Carbon Disulfide	0.00059 U	mg/Kg	0.0033	0.00059	1	08/07/2023 16:49	08/08/2023 12:59	M
Carbon Tetrachloride	0.00048 U	mg/Kg	0.0033	0.00048	1	08/07/2023 16:49	08/08/2023 12:59	M
Chlorobenzene	0.00040 U	mg/Kg	0.0033	0.00040	1	08/07/2023 16:49	08/08/2023 12:59	M
Chloroethane	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 16:49	08/08/2023 12:59	M
Chloroform	0.00052 U	mg/Kg	0.0033	0.00052	1	08/07/2023 16:49	08/08/2023 12:59	M
Chloromethane	0.00080 U	mg/Kg	0.0033	0.00080	1	08/07/2023 16:49	08/08/2023 12:59	M
Dibromochloromethane	0.00046 U	mg/Kg	0.0033	0.00046	1	08/07/2023 16:49	08/08/2023 12:59	M
Dibromomethane	0.00062 U	mg/Kg	0.0033	0.00062	1	08/07/2023 16:49	08/08/2023 12:59	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0033	0.0011	1	08/07/2023 16:49	08/08/2023 12:59	M

Wednesday, August 9, 2023 3:28:06 PM
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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301022
Sample ID: MAG-6.2

Date Collected: 08/01/2023 13:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00041 U	mg/Kg	0.0033	0.00041	1	08/07/2023 16:49	08/08/2023 12:59	M
Ethylene Dibromide (EDB)	0.00060 U	mg/Kg	0.0033	0.00060	1	08/07/2023 16:49	08/08/2023 12:59	M
Hexachlorobutadiene	0.00080 U	mg/Kg	0.0033	0.00080	1	08/07/2023 16:49	08/08/2023 12:59	M
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0033	0.0022	1	08/07/2023 16:49	08/08/2023 12:59	M
Isopropylbenzene	0.00073 U	mg/Kg	0.0033	0.00073	1	08/07/2023 16:49	08/08/2023 12:59	M
Methyl tert-butyl Ether (MTBE)	0.00047 U	mg/Kg	0.0033	0.00047	1	08/07/2023 16:49	08/08/2023 12:59	M
Methylene Chloride	0.0013 U	mg/Kg	0.0033	0.0013	1	08/07/2023 16:49	08/08/2023 12:59	M
Naphthalene	0.00073 U	mg/Kg	0.0033	0.00073	1	08/07/2023 16:49	08/08/2023 12:59	M
Styrene	0.00035 U	mg/Kg	0.0033	0.00035	1	08/07/2023 16:49	08/08/2023 12:59	M
Tetrachloroethylene (PCE)	0.00066 U	mg/Kg	0.0033	0.00066	1	08/07/2023 16:49	08/08/2023 12:59	M
Toluene	0.00050 U	mg/Kg	0.0033	0.00050	1	08/07/2023 16:49	08/08/2023 12:59	M
Trichloroethene	0.00063 U	mg/Kg	0.0033	0.00063	1	08/07/2023 16:49	08/08/2023 12:59	M
Trichlorofluoromethane	0.00045 U	mg/Kg	0.0033	0.00045	1	08/07/2023 16:49	08/08/2023 12:59	M
Vinyl Acetate	0.00048 U	mg/Kg	0.0033	0.00048	1	08/07/2023 16:49	08/08/2023 12:59	M
Vinyl Chloride	0.00055 U	mg/Kg	0.0033	0.00055	1	08/07/2023 16:49	08/08/2023 12:59	M
Xylene (Total)	0.0012 U	mg/Kg	0.0065	0.0012	1	08/07/2023 16:49	08/08/2023 12:59	M
cis-1,2-Dichloroethylene	0.00049 U	mg/Kg	0.0033	0.00049	1	08/07/2023 16:49	08/08/2023 12:59	M
cis-1,3-Dichloropropene	0.00039 U	mg/Kg	0.0033	0.00039	1	08/07/2023 16:49	08/08/2023 12:59	M
n-Butylbenzene	0.00076 U	mg/Kg	0.0033	0.00076	1	08/07/2023 16:49	08/08/2023 12:59	M
n-propylbenzene	0.00083 U	mg/Kg	0.0033	0.00083	1	08/07/2023 16:49	08/08/2023 12:59	M
sec-butylbenzene	0.00088 U	mg/Kg	0.0033	0.00088	1	08/07/2023 16:49	08/08/2023 12:59	M
tert-butylbenzene	0.00076 U	mg/Kg	0.0033	0.00076	1	08/07/2023 16:49	08/08/2023 12:59	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301022
Sample ID: MAG-6.2

Date Collected: 08/01/2023 13:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00051 U	mg/Kg	0.0033	0.00051	1	08/07/2023 16:49	08/08/2023 12:59	M
trans-1,3-Dichloropropylene	0.00041 U	mg/Kg	0.0033	0.00041	1	08/07/2023 16:49	08/08/2023 12:59	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/Kg	53	60	112	79 - 126	M
1,2-Dichloroethane-d4 (S)	ug/Kg	53	60	112	69 - 134	M
Toluene-d8 (S)	ug/Kg	53	55	103	72 - 122	M

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Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301023
Sample ID: MAG-6.4

Date Collected: 08/01/2023 13:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.5	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00049 U	mg/Kg	0.0037	0.00049	1	08/07/2023 16:49	08/08/2023 13:26	M
1,1,1-Trichloroethane	0.00066 U	mg/Kg	0.0037	0.00066	1	08/07/2023 16:49	08/08/2023 13:26	M
1,1,2,2-Tetrachloroethane	0.0011 U	mg/Kg	0.0037	0.0011	1	08/07/2023 16:49	08/08/2023 13:26	M
1,1,2-Trichloroethane	0.00040 U	mg/Kg	0.0037	0.00040	1	08/07/2023 16:49	08/08/2023 13:26	M
1,1-Dichloroethane	0.00051 U	mg/Kg	0.0037	0.00051	1	08/07/2023 16:49	08/08/2023 13:26	M
1,1-Dichloroethylene	0.00064 U	mg/Kg	0.0037	0.00064	1	08/07/2023 16:49	08/08/2023 13:26	M
1,1-Dichloropropene	0.00053 U	mg/Kg	0.0037	0.00053	1	08/07/2023 16:49	08/08/2023 13:26	M
1,2,3-Trichlorobenzene	0.00098 U	mg/Kg	0.0037	0.00098	1	08/07/2023 16:49	08/08/2023 13:26	M
1,2,3-Trichloropropane	0.00097 U	mg/Kg	0.0037	0.00097	1	08/07/2023 16:49	08/08/2023 13:26	M
1,2,4-Trichlorobenzene	0.00099 U	mg/Kg	0.0037	0.00099	1	08/07/2023 16:49	08/08/2023 13:26	M
1,2,4-Trimethylbenzene	0.00096 U	mg/Kg	0.0037	0.00096	1	08/07/2023 16:49	08/08/2023 13:26	M
1,2-Dibromo-3-Chloropropane	0.00074 U	mg/Kg	0.0037	0.00074	1	08/07/2023 16:49	08/08/2023 13:26	M
1,2-Dichlorobenzene	0.0013 U	mg/Kg	0.0037	0.0013	1	08/07/2023 16:49	08/08/2023 13:26	M
1,2-Dichloroethane	0.00044 U	mg/Kg	0.0037	0.00044	1	08/07/2023 16:49	08/08/2023 13:26	M
1,2-Dichloropropane	0.00070 U	mg/Kg	0.0037	0.00070	1	08/07/2023 16:49	08/08/2023 13:26	M
1,3,5-Trimethylbenzene	0.0010 U	mg/Kg	0.0037	0.0010	1	08/07/2023 16:49	08/08/2023 13:26	M
1,3-Dichlorobenzene	0.0013 U	mg/Kg	0.0037	0.0013	1	08/07/2023 16:49	08/08/2023 13:26	M
1,3-Dichloropropane	0.00061 U	mg/Kg	0.0037	0.00061	1	08/07/2023 16:49	08/08/2023 13:26	M
1,4-Dichlorobenzene	0.0014 U	mg/Kg	0.0037	0.0014	1	08/07/2023 16:49	08/08/2023 13:26	M
2,2-Dichloropropane	0.00041 U	mg/Kg	0.0037	0.00041	1	08/07/2023 16:49	08/08/2023 13:26	M
2-Butanone (MEK)	0.00091 U	mg/Kg	0.0037	0.00091	1	08/07/2023 16:49	08/08/2023 13:26	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301023
Sample ID: MAG-6.4

Date Collected: 08/01/2023 13:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Chloroethyl Vinyl Ether	0.0018 U	mg/Kg	0.0037	0.0018	1	08/07/2023 16:49	08/08/2023 13:26	M
2-Chlorotoluene	0.00093 U	mg/Kg	0.0037	0.00093	1	08/07/2023 16:49	08/08/2023 13:26	M
2-Hexanone	0.00070 U	mg/Kg	0.0037	0.00070	1	08/07/2023 16:49	08/08/2023 13:26	M
4-Chlorotoluene	0.0014 U	mg/Kg	0.0037	0.0014	1	08/07/2023 16:49	08/08/2023 13:26	M
4-Methyl-2-pentanone (MIBK)	0.0010 U	mg/Kg	0.0037	0.0010	1	08/07/2023 16:49	08/08/2023 13:26	M
Acetone	0.0013 U	mg/Kg	0.0037	0.0013	1	08/07/2023 16:49	08/08/2023 13:26	M
Acrolein (Propenal)	0.0096 U	mg/Kg	0.019	0.0096	1	08/07/2023 16:49	08/08/2023 13:26	M
Acrylonitrile	0.0016 U	mg/Kg	0.0037	0.0016	1	08/07/2023 16:49	08/08/2023 13:26	M
Benzene	0.00037 U	mg/Kg	0.0037	0.00037	1	08/07/2023 16:49	08/08/2023 13:26	M
Bromobenzene	0.0013 U	mg/Kg	0.0037	0.0013	1	08/07/2023 16:49	08/08/2023 13:26	M
Bromochloromethane	0.00078 U	mg/Kg	0.0037	0.00078	1	08/07/2023 16:49	08/08/2023 13:26	M
Bromodichloromethane	0.00093 U	mg/Kg	0.0037	0.00093	1	08/07/2023 16:49	08/08/2023 13:26	M
Bromoform	0.0011 U	mg/Kg	0.0037	0.0011	1	08/07/2023 16:49	08/08/2023 13:26	M
Bromomethane	0.0026 U	mg/Kg	0.0037	0.0026	1	08/07/2023 16:49	08/08/2023 13:26	M
Carbon Disulfide	0.00067 U	mg/Kg	0.0037	0.00067	1	08/07/2023 16:49	08/08/2023 13:26	M
Carbon Tetrachloride	0.00054 U	mg/Kg	0.0037	0.00054	1	08/07/2023 16:49	08/08/2023 13:26	M
Chlorobenzene	0.00046 U	mg/Kg	0.0037	0.00046	1	08/07/2023 16:49	08/08/2023 13:26	M
Chloroethane	0.0014 U	mg/Kg	0.0037	0.0014	1	08/07/2023 16:49	08/08/2023 13:26	M
Chloroform	0.00059 U	mg/Kg	0.0037	0.00059	1	08/07/2023 16:49	08/08/2023 13:26	M
Chloromethane	0.00091 U	mg/Kg	0.0037	0.00091	1	08/07/2023 16:49	08/08/2023 13:26	M
Dibromochloromethane	0.00052 U	mg/Kg	0.0037	0.00052	1	08/07/2023 16:49	08/08/2023 13:26	M
Dibromomethane	0.00070 U	mg/Kg	0.0037	0.00070	1	08/07/2023 16:49	08/08/2023 13:26	M
Dichlorodifluoromethane	0.0012 U	mg/Kg	0.0037	0.0012	1	08/07/2023 16:49	08/08/2023 13:26	M
Ethylbenzene	0.00047 U	mg/Kg	0.0037	0.00047	1	08/07/2023 16:49	08/08/2023 13:26	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301023
Sample ID: MAG-6.4

Date Collected: 08/01/2023 13:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylene Dibromide (EDB)	0.00068 U	mg/Kg	0.0037	0.00068	1	08/07/2023 16:49	08/08/2023 13:26	M
Hexachlorobutadiene	0.00091 U	mg/Kg	0.0037	0.00091	1	08/07/2023 16:49	08/08/2023 13:26	M
Iodomethane (Methyl Iodide)	0.0025 U	mg/Kg	0.0037	0.0025	1	08/07/2023 16:49	08/08/2023 13:26	M
Isopropylbenzene	0.00084 U	mg/Kg	0.0037	0.00084	1	08/07/2023 16:49	08/08/2023 13:26	M
Methyl tert-butyl Ether (MTBE)	0.00053 U	mg/Kg	0.0037	0.00053	1	08/07/2023 16:49	08/08/2023 13:26	M
Methylene Chloride	0.0015 U	mg/Kg	0.0037	0.0015	1	08/07/2023 16:49	08/08/2023 13:26	M
Naphthalene	0.00083 U	mg/Kg	0.0037	0.00083	1	08/07/2023 16:49	08/08/2023 13:26	M
Styrene	0.00040 U	mg/Kg	0.0037	0.00040	1	08/07/2023 16:49	08/08/2023 13:26	M
Tetrachloroethylene (PCE)	0.00075 U	mg/Kg	0.0037	0.00075	1	08/07/2023 16:49	08/08/2023 13:26	M
Toluene	0.00057 U	mg/Kg	0.0037	0.00057	1	08/07/2023 16:49	08/08/2023 13:26	M
Trichloroethene	0.00072 U	mg/Kg	0.0037	0.00072	1	08/07/2023 16:49	08/08/2023 13:26	M
Trichlorofluoromethane	0.00051 U	mg/Kg	0.0037	0.00051	1	08/07/2023 16:49	08/08/2023 13:26	M
Vinyl Acetate	0.00054 U	mg/Kg	0.0037	0.00054	1	08/07/2023 16:49	08/08/2023 13:26	M
Vinyl Chloride	0.00063 U	mg/Kg	0.0037	0.00063	1	08/07/2023 16:49	08/08/2023 13:26	M
Xylene (Total)	0.0013 U	mg/Kg	0.0074	0.0013	1	08/07/2023 16:49	08/08/2023 13:26	M
cis-1,2-Dichloroethylene	0.00056 U	mg/Kg	0.0037	0.00056	1	08/07/2023 16:49	08/08/2023 13:26	M
cis-1,3-Dichloropropene	0.00044 U	mg/Kg	0.0037	0.00044	1	08/07/2023 16:49	08/08/2023 13:26	M
n-Butylbenzene	0.00087 U	mg/Kg	0.0037	0.00087	1	08/07/2023 16:49	08/08/2023 13:26	M
n-propylbenzene	0.00094 U	mg/Kg	0.0037	0.00094	1	08/07/2023 16:49	08/08/2023 13:26	M
sec-butylbenzene	0.0010 U	mg/Kg	0.0037	0.0010	1	08/07/2023 16:49	08/08/2023 13:26	M
tert-butylbenzene	0.00087 U	mg/Kg	0.0037	0.00087	1	08/07/2023 16:49	08/08/2023 13:26	M
trans-1,2-Dichloroethylene	0.00058 U	mg/Kg	0.0037	0.00058	1	08/07/2023 16:49	08/08/2023 13:26	M
trans-1,3-Dichloropropylene	0.00047 U	mg/Kg	0.0037	0.00047	1	08/07/2023 16:49	08/08/2023 13:26	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301023 Date Collected: 08/01/2023 13:15 Matrix: Soil
Sample ID: MAG-6.4 Date Received: 08/01/2023 15:30

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	60	65	109	69 - 134	M
Toluene-d8 (S)	ug/Kg	60	62	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	60	67	112	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301024
Sample ID: MAG-6.6

Date Collected: 08/01/2023 13:20
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	5.2	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00046 U	mg/Kg	0.0035	0.00046	1	08/07/2023 16:49	08/08/2023 13:53	M
1,1,1-Trichloroethane	0.00061 U	mg/Kg	0.0035	0.00061	1	08/07/2023 16:49	08/08/2023 13:53	M
1,1,2,2-Tetrachloroethane	0.00098 U	mg/Kg	0.0035	0.00098	1	08/07/2023 16:49	08/08/2023 13:53	M
1,1,2-Trichloroethane	0.00037 U	mg/Kg	0.0035	0.00037	1	08/07/2023 16:49	08/08/2023 13:53	M
1,1-Dichloroethane	0.00048 U	mg/Kg	0.0035	0.00048	1	08/07/2023 16:49	08/08/2023 13:53	M
1,1-Dichloroethylene	0.00060 U	mg/Kg	0.0035	0.00060	1	08/07/2023 16:49	08/08/2023 13:53	M
1,1-Dichloropropene	0.00050 U	mg/Kg	0.0035	0.00050	1	08/07/2023 16:49	08/08/2023 13:53	M
1,2,3-Trichlorobenzene	0.00092 U	mg/Kg	0.0035	0.00092	1	08/07/2023 16:49	08/08/2023 13:53	M
1,2,3-Trichloropropane	0.00091 U	mg/Kg	0.0035	0.00091	1	08/07/2023 16:49	08/08/2023 13:53	M
1,2,4-Trichlorobenzene	0.00093 U	mg/Kg	0.0035	0.00093	1	08/07/2023 16:49	08/08/2023 13:53	M
1,2,4-Trimethylbenzene	0.00090 U	mg/Kg	0.0035	0.00090	1	08/07/2023 16:49	08/08/2023 13:53	M
1,2-Dibromo-3-Chloropropane	0.00070 U	mg/Kg	0.0035	0.00070	1	08/07/2023 16:49	08/08/2023 13:53	M
1,2-Dichlorobenzene	0.0013 U	mg/Kg	0.0035	0.0013	1	08/07/2023 16:49	08/08/2023 13:53	M
1,2-Dichloroethane	0.00042 U	mg/Kg	0.0035	0.00042	1	08/07/2023 16:49	08/08/2023 13:53	M
1,2-Dichloropropane	0.00066 U	mg/Kg	0.0035	0.00066	1	08/07/2023 16:49	08/08/2023 13:53	M
1,3,5-Trimethylbenzene	0.00096 U	mg/Kg	0.0035	0.00096	1	08/07/2023 16:49	08/08/2023 13:53	M
1,3-Dichlorobenzene	0.0012 U	mg/Kg	0.0035	0.0012	1	08/07/2023 16:49	08/08/2023 13:53	M
1,3-Dichloropropane	0.00057 U	mg/Kg	0.0035	0.00057	1	08/07/2023 16:49	08/08/2023 13:53	M
1,4-Dichlorobenzene	0.0013 U	mg/Kg	0.0035	0.0013	1	08/07/2023 16:49	08/08/2023 13:53	M
2,2-Dichloropropane	0.00038 U	mg/Kg	0.0035	0.00038	1	08/07/2023 16:49	08/08/2023 13:53	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301024	Date Collected: 08/01/2023 13:20				Matrix: Soil			
Sample ID: MAG-6.6	Date Received: 08/01/2023 15:30							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00086 U	mg/Kg	0.0035	0.00086	1	08/07/2023 16:49	08/08/2023 13:53	M
2-Chloroethyl Vinyl Ether	0.0017 U	mg/Kg	0.0035	0.0017	1	08/07/2023 16:49	08/08/2023 13:53	M
2-Chlorotoluene	0.00087 U	mg/Kg	0.0035	0.00087	1	08/07/2023 16:49	08/08/2023 13:53	M
2-Hexanone	0.00066 U	mg/Kg	0.0035	0.00066	1	08/07/2023 16:49	08/08/2023 13:53	M
4-Chlorotoluene	0.0013 U	mg/Kg	0.0035	0.0013	1	08/07/2023 16:49	08/08/2023 13:53	M
4-Methyl-2-pentanone (MIBK)	0.00095 U	mg/Kg	0.0035	0.00095	1	08/07/2023 16:49	08/08/2023 13:53	M
Acetone	0.0012 U	mg/Kg	0.0035	0.0012	1	08/07/2023 16:49	08/08/2023 13:53	M
Acrolein (Propenal)	0.0090 U	mg/Kg	0.017	0.0090	1	08/07/2023 16:49	08/08/2023 13:53	M
Acrylonitrile	0.0015 U	mg/Kg	0.0035	0.0015	1	08/07/2023 16:49	08/08/2023 13:53	M
Benzene	0.00035 U	mg/Kg	0.0035	0.00035	1	08/07/2023 16:49	08/08/2023 13:53	M
Bromobenzene	0.0013 U	mg/Kg	0.0035	0.0013	1	08/07/2023 16:49	08/08/2023 13:53	M
Bromochloromethane	0.00073 U	mg/Kg	0.0035	0.00073	1	08/07/2023 16:49	08/08/2023 13:53	M
Bromodichloromethane	0.00087 U	mg/Kg	0.0035	0.00087	1	08/07/2023 16:49	08/08/2023 13:53	M
Bromoform	0.0010 U	mg/Kg	0.0035	0.0010	1	08/07/2023 16:49	08/08/2023 13:53	M
Bromomethane	0.0024 U	mg/Kg	0.0035	0.0024	1	08/07/2023 16:49	08/08/2023 13:53	M
Carbon Disulfide	0.00063 U	mg/Kg	0.0035	0.00063	1	08/07/2023 16:49	08/08/2023 13:53	M
Carbon Tetrachloride	0.00051 U	mg/Kg	0.0035	0.00051	1	08/07/2023 16:49	08/08/2023 13:53	M
Chlorobenzene	0.00043 U	mg/Kg	0.0035	0.00043	1	08/07/2023 16:49	08/08/2023 13:53	M
Chloroethane	0.0013 U	mg/Kg	0.0035	0.0013	1	08/07/2023 16:49	08/08/2023 13:53	M
Chloroform	0.00056 U	mg/Kg	0.0035	0.00056	1	08/07/2023 16:49	08/08/2023 13:53	M
Chloromethane	0.00086 U	mg/Kg	0.0035	0.00086	1	08/07/2023 16:49	08/08/2023 13:53	M
Dibromochloromethane	0.00049 U	mg/Kg	0.0035	0.00049	1	08/07/2023 16:49	08/08/2023 13:53	M
Dibromomethane	0.00066 U	mg/Kg	0.0035	0.00066	1	08/07/2023 16:49	08/08/2023 13:53	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0035	0.0011	1	08/07/2023 16:49	08/08/2023 13:53	M





FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301024
Sample ID: MAG-6.6

Date Collected: 08/01/2023 13:20
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00044 U	mg/Kg	0.0035	0.00044	1	08/07/2023 16:49	08/08/2023 13:53	M
Ethylene Dibromide (EDB)	0.00064 U	mg/Kg	0.0035	0.00064	1	08/07/2023 16:49	08/08/2023 13:53	M
Hexachlorobutadiene	0.00086 U	mg/Kg	0.0035	0.00086	1	08/07/2023 16:49	08/08/2023 13:53	M
Iodomethane (Methyl Iodide)	0.0024 U	mg/Kg	0.0035	0.0024	1	08/07/2023 16:49	08/08/2023 13:53	M
Isopropylbenzene	0.00078 U	mg/Kg	0.0035	0.00078	1	08/07/2023 16:49	08/08/2023 13:53	M
Methyl tert-butyl Ether (MTBE)	0.00050 U	mg/Kg	0.0035	0.00050	1	08/07/2023 16:49	08/08/2023 13:53	M
Methylene Chloride	0.0014 U	mg/Kg	0.0035	0.0014	1	08/07/2023 16:49	08/08/2023 13:53	M
Naphthalene	0.00078 U	mg/Kg	0.0035	0.00078	1	08/07/2023 16:49	08/08/2023 13:53	M
Styrene	0.00037 U	mg/Kg	0.0035	0.00037	1	08/07/2023 16:49	08/08/2023 13:53	M
Tetrachloroethylene (PCE)	0.00071 U	mg/Kg	0.0035	0.00071	1	08/07/2023 16:49	08/08/2023 13:53	M
Toluene	0.00053 U	mg/Kg	0.0035	0.00053	1	08/07/2023 16:49	08/08/2023 13:53	M
Trichloroethene	0.00067 U	mg/Kg	0.0035	0.00067	1	08/07/2023 16:49	08/08/2023 13:53	M
Trichlorofluoromethane	0.00048 U	mg/Kg	0.0035	0.00048	1	08/07/2023 16:49	08/08/2023 13:53	M
Vinyl Acetate	0.00051 U	mg/Kg	0.0035	0.00051	1	08/07/2023 16:49	08/08/2023 13:53	M
Vinyl Chloride	0.00059 U	mg/Kg	0.0035	0.00059	1	08/07/2023 16:49	08/08/2023 13:53	M
Xylene (Total)	0.0013 U	mg/Kg	0.0070	0.0013	1	08/07/2023 16:49	08/08/2023 13:53	M
cis-1,2-Dichloroethylene	0.00052 U	mg/Kg	0.0035	0.00052	1	08/07/2023 16:49	08/08/2023 13:53	M
cis-1,3-Dichloropropene	0.00042 U	mg/Kg	0.0035	0.00042	1	08/07/2023 16:49	08/08/2023 13:53	M
n-Butylbenzene	0.00081 U	mg/Kg	0.0035	0.00081	1	08/07/2023 16:49	08/08/2023 13:53	M
n-propylbenzene	0.00088 U	mg/Kg	0.0035	0.00088	1	08/07/2023 16:49	08/08/2023 13:53	M
sec-butylbenzene	0.00094 U	mg/Kg	0.0035	0.00094	1	08/07/2023 16:49	08/08/2023 13:53	M
tert-butylbenzene	0.00081 U	mg/Kg	0.0035	0.00081	1	08/07/2023 16:49	08/08/2023 13:53	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301024
Sample ID: MAG-6.6

Date Collected: 08/01/2023 13:20
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00054 U	mg/Kg	0.0035	0.00054	1	08/07/2023 16:49	08/08/2023 13:53	M
trans-1,3-Dichloropropylene	0.00044 U	mg/Kg	0.0035	0.00044	1	08/07/2023 16:49	08/08/2023 13:53	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	55	63	114	69 - 134	M
Toluene-d8 (S)	ug/Kg	55	58	106	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	55	61	111	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301025
Sample ID: MAG-7.05

Date Collected: 08/01/2023 12:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.9	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00042 U	mg/Kg	0.0032	0.00042	1	08/07/2023 16:49	08/08/2023 14:20	M
1,1,1-Trichloroethane	0.00056 U	mg/Kg	0.0032	0.00056	1	08/07/2023 16:49	08/08/2023 14:20	M
1,1,2,2-Tetrachloroethane	0.00090 U	mg/Kg	0.0032	0.00090	1	08/07/2023 16:49	08/08/2023 14:20	M
1,1,2-Trichloroethane	0.00034 U	mg/Kg	0.0032	0.00034	1	08/07/2023 16:49	08/08/2023 14:20	M
1,1-Dichloroethane	0.00043 U	mg/Kg	0.0032	0.00043	1	08/07/2023 16:49	08/08/2023 14:20	M
1,1-Dichloroethylene	0.00055 U	mg/Kg	0.0032	0.00055	1	08/07/2023 16:49	08/08/2023 14:20	M
1,1-Dichloropropene	0.00045 U	mg/Kg	0.0032	0.00045	1	08/07/2023 16:49	08/08/2023 14:20	M
1,2,3-Trichlorobenzene	0.00084 U	mg/Kg	0.0032	0.00084	1	08/07/2023 16:49	08/08/2023 14:20	M
1,2,3-Trichloropropane	0.00083 U	mg/Kg	0.0032	0.00083	1	08/07/2023 16:49	08/08/2023 14:20	M
1,2,4-Trichlorobenzene	0.00085 U	mg/Kg	0.0032	0.00085	1	08/07/2023 16:49	08/08/2023 14:20	M
1,2,4-Trimethylbenzene	0.00082 U	mg/Kg	0.0032	0.00082	1	08/07/2023 16:49	08/08/2023 14:20	M
1,2-Dibromo-3-Chloropropane	0.00063 U	mg/Kg	0.0032	0.00063	1	08/07/2023 16:49	08/08/2023 14:20	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0032	0.0011	1	08/07/2023 16:49	08/08/2023 14:20	M
1,2-Dichloroethane	0.00038 U	mg/Kg	0.0032	0.00038	1	08/07/2023 16:49	08/08/2023 14:20	M
1,2-Dichloropropane	0.00060 U	mg/Kg	0.0032	0.00060	1	08/07/2023 16:49	08/08/2023 14:20	M
1,3,5-Trimethylbenzene	0.00088 U	mg/Kg	0.0032	0.00088	1	08/07/2023 16:49	08/08/2023 14:20	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0032	0.0011	1	08/07/2023 16:49	08/08/2023 14:20	M
1,3-Dichloropropane	0.00052 U	mg/Kg	0.0032	0.00052	1	08/07/2023 16:49	08/08/2023 14:20	M
1,4-Dichlorobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 16:49	08/08/2023 14:20	M
2,2-Dichloropropane	0.00035 U	mg/Kg	0.0032	0.00035	1	08/07/2023 16:49	08/08/2023 14:20	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301025
Sample ID: MAG-7.05

Date Collected: 08/01/2023 12:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00078 U	mg/Kg	0.0032	0.00078	1	08/07/2023 16:49	08/08/2023 14:20	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0032	0.0016	1	08/07/2023 16:49	08/08/2023 14:20	M
2-Chlorotoluene	0.00079 U	mg/Kg	0.0032	0.00079	1	08/07/2023 16:49	08/08/2023 14:20	M
2-Hexanone	0.00060 U	mg/Kg	0.0032	0.00060	1	08/07/2023 16:49	08/08/2023 14:20	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 16:49	08/08/2023 14:20	M
4-Methyl-2-pentanone (MIBK)	0.00087 U	mg/Kg	0.0032	0.00087	1	08/07/2023 16:49	08/08/2023 14:20	M
Acetone	0.0011 U	mg/Kg	0.0032	0.0011	1	08/07/2023 16:49	08/08/2023 14:20	M
Acrolein (Propenal)	0.0082 U	mg/Kg	0.016	0.0082	1	08/07/2023 16:49	08/08/2023 14:20	M
Acrylonitrile	0.0014 U	mg/Kg	0.0032	0.0014	1	08/07/2023 16:49	08/08/2023 14:20	M
Benzene	0.00052 I	mg/Kg	0.0032	0.00032	1	08/07/2023 16:49	08/08/2023 14:20	M
Bromobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 16:49	08/08/2023 14:20	M
Bromochloromethane	0.00067 U	mg/Kg	0.0032	0.00067	1	08/07/2023 16:49	08/08/2023 14:20	M
Bromodichloromethane	0.00079 U	mg/Kg	0.0032	0.00079	1	08/07/2023 16:49	08/08/2023 14:20	M
Bromoform	0.00093 U	mg/Kg	0.0032	0.00093	1	08/07/2023 16:49	08/08/2023 14:20	M
Bromomethane	0.0022 U	mg/Kg	0.0032	0.0022	1	08/07/2023 16:49	08/08/2023 14:20	M
Carbon Disulfide	0.00057 U	mg/Kg	0.0032	0.00057	1	08/07/2023 16:49	08/08/2023 14:20	M
Carbon Tetrachloride	0.00047 U	mg/Kg	0.0032	0.00047	1	08/07/2023 16:49	08/08/2023 14:20	M
Chlorobenzene	0.00039 U	mg/Kg	0.0032	0.00039	1	08/07/2023 16:49	08/08/2023 14:20	M
Chloroethane	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 16:49	08/08/2023 14:20	M
Chloroform	0.00051 U	mg/Kg	0.0032	0.00051	1	08/07/2023 16:49	08/08/2023 14:20	M
Chloromethane	0.00078 U	mg/Kg	0.0032	0.00078	1	08/07/2023 16:49	08/08/2023 14:20	M
Dibromochloromethane	0.00044 U	mg/Kg	0.0032	0.00044	1	08/07/2023 16:49	08/08/2023 14:20	M
Dibromomethane	0.00060 U	mg/Kg	0.0032	0.00060	1	08/07/2023 16:49	08/08/2023 14:20	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0032	0.0010	1	08/07/2023 16:49	08/08/2023 14:20	M

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Dates and times are displayed using (-04:00)
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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301025
Sample ID: MAG-7.05

Date Collected: 08/01/2023 12:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00040 U	mg/Kg	0.0032	0.00040	1	08/07/2023 16:49	08/08/2023 14:20	M
Ethylene Dibromide (EDB)	0.00058 U	mg/Kg	0.0032	0.00058	1	08/07/2023 16:49	08/08/2023 14:20	M
Hexachlorobutadiene	0.00078 U	mg/Kg	0.0032	0.00078	1	08/07/2023 16:49	08/08/2023 14:20	M
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0032	0.0022	1	08/07/2023 16:49	08/08/2023 14:20	M
Isopropylbenzene	0.00071 U	mg/Kg	0.0032	0.00071	1	08/07/2023 16:49	08/08/2023 14:20	M
Methyl tert-butyl Ether (MTBE)	0.00045 U	mg/Kg	0.0032	0.00045	1	08/07/2023 16:49	08/08/2023 14:20	M
Methylene Chloride	0.0013 U	mg/Kg	0.0032	0.0013	1	08/07/2023 16:49	08/08/2023 14:20	M
Naphthalene	0.00071 U	mg/Kg	0.0032	0.00071	1	08/07/2023 16:49	08/08/2023 14:20	M
Styrene	0.00034 U	mg/Kg	0.0032	0.00034	1	08/07/2023 16:49	08/08/2023 14:20	M
Tetrachloroethylene (PCE)	0.00064 U	mg/Kg	0.0032	0.00064	1	08/07/2023 16:49	08/08/2023 14:20	M
Toluene	0.00049 U	mg/Kg	0.0032	0.00049	1	08/07/2023 16:49	08/08/2023 14:20	M
Trichloroethene	0.00061 U	mg/Kg	0.0032	0.00061	1	08/07/2023 16:49	08/08/2023 14:20	M
Trichlorofluoromethane	0.00043 U	mg/Kg	0.0032	0.00043	1	08/07/2023 16:49	08/08/2023 14:20	M
Vinyl Acetate	0.00047 U	mg/Kg	0.0032	0.00047	1	08/07/2023 16:49	08/08/2023 14:20	M
Vinyl Chloride	0.00054 U	mg/Kg	0.0032	0.00054	1	08/07/2023 16:49	08/08/2023 14:20	M
Xylene (Total)	0.0012 U	mg/Kg	0.0063	0.0012	1	08/07/2023 16:49	08/08/2023 14:20	M
cis-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0032	0.00048	1	08/07/2023 16:49	08/08/2023 14:20	M
cis-1,3-Dichloropropene	0.00038 U	mg/Kg	0.0032	0.00038	1	08/07/2023 16:49	08/08/2023 14:20	M
n-Butylbenzene	0.00074 U	mg/Kg	0.0032	0.00074	1	08/07/2023 16:49	08/08/2023 14:20	M
n-propylbenzene	0.00080 U	mg/Kg	0.0032	0.00080	1	08/07/2023 16:49	08/08/2023 14:20	M
sec-butylbenzene	0.00086 U	mg/Kg	0.0032	0.00086	1	08/07/2023 16:49	08/08/2023 14:20	M
tert-butylbenzene	0.00074 U	mg/Kg	0.0032	0.00074	1	08/07/2023 16:49	08/08/2023 14:20	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301025
Sample ID: MAG-7.05

Date Collected: 08/01/2023 12:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00050 U	mg/Kg	0.0032	0.00050	1	08/07/2023 16:49	08/08/2023 14:20	M
trans-1,3-Dichloropropylene	0.00040 U	mg/Kg	0.0032	0.00040	1	08/07/2023 16:49	08/08/2023 14:20	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51	58	114	69 - 134	M
Toluene-d8 (S)	ug/Kg	51	53	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	51	58	114	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301026
Sample ID: MAG-7.2

Date Collected: 08/01/2023 12:20
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	4.1	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0031	0.00041	1	08/07/2023 16:49	08/08/2023 14:47	M
1,1,1-Trichloroethane	0.00055 U	mg/Kg	0.0031	0.00055	1	08/07/2023 16:49	08/08/2023 14:47	M
1,1,2,2-Tetrachloroethane	0.00088 U	mg/Kg	0.0031	0.00088	1	08/07/2023 16:49	08/08/2023 14:47	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/07/2023 16:49	08/08/2023 14:47	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/07/2023 16:49	08/08/2023 14:47	M
1,1-Dichloroethylene	0.00054 U	mg/Kg	0.0031	0.00054	1	08/07/2023 16:49	08/08/2023 14:47	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0031	0.00044	1	08/07/2023 16:49	08/08/2023 14:47	M
1,2,3-Trichlorobenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/07/2023 16:49	08/08/2023 14:47	M
1,2,3-Trichloropropane	0.00081 U	mg/Kg	0.0031	0.00081	1	08/07/2023 16:49	08/08/2023 14:47	M
1,2,4-Trichlorobenzene	0.00083 U	mg/Kg	0.0031	0.00083	1	08/07/2023 16:49	08/08/2023 14:47	M
1,2,4-Trimethylbenzene	0.00081 U	mg/Kg	0.0031	0.00081	1	08/07/2023 16:49	08/08/2023 14:47	M
1,2-Dibromo-3-Chloropropane	0.00062 U	mg/Kg	0.0031	0.00062	1	08/07/2023 16:49	08/08/2023 14:47	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 16:49	08/08/2023 14:47	M
1,2-Dichloroethane	0.00037 U	mg/Kg	0.0031	0.00037	1	08/07/2023 16:49	08/08/2023 14:47	M
1,2-Dichloropropane	0.00059 U	mg/Kg	0.0031	0.00059	1	08/07/2023 16:49	08/08/2023 14:47	M
1,3,5-Trimethylbenzene	0.00086 U	mg/Kg	0.0031	0.00086	1	08/07/2023 16:49	08/08/2023 14:47	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 16:49	08/08/2023 14:47	M
1,3-Dichloropropane	0.00051 U	mg/Kg	0.0031	0.00051	1	08/07/2023 16:49	08/08/2023 14:47	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 16:49	08/08/2023 14:47	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/07/2023 16:49	08/08/2023 14:47	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301026
Sample ID: MAG-7.2

Date Collected: 08/01/2023 12:20
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 16:49	08/08/2023 14:47	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0031	0.0015	1	08/07/2023 16:49	08/08/2023 14:47	M
2-Chlorotoluene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/07/2023 16:49	08/08/2023 14:47	M
2-Hexanone	0.00059 U	mg/Kg	0.0031	0.00059	1	08/07/2023 16:49	08/08/2023 14:47	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 16:49	08/08/2023 14:47	M
4-Methyl-2-pentanone (MIBK)	0.00085 U	mg/Kg	0.0031	0.00085	1	08/07/2023 16:49	08/08/2023 14:47	M
Acetone	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 16:49	08/08/2023 14:47	M
Acrolein (Propenal)	0.0080 U	mg/Kg	0.015	0.0080	1	08/07/2023 16:49	08/08/2023 14:47	M
Acrylonitrile	0.0013 U	mg/Kg	0.0031	0.0013	1	08/07/2023 16:49	08/08/2023 14:47	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/07/2023 16:49	08/08/2023 14:47	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 16:49	08/08/2023 14:47	M
Bromochloromethane	0.00065 U	mg/Kg	0.0031	0.00065	1	08/07/2023 16:49	08/08/2023 14:47	M
Bromodichloromethane	0.00077 U	mg/Kg	0.0031	0.00077	1	08/07/2023 16:49	08/08/2023 14:47	M
Bromoform	0.00091 U	mg/Kg	0.0031	0.00091	1	08/07/2023 16:49	08/08/2023 14:47	M
Bromomethane	0.0022 U	mg/Kg	0.0031	0.0022	1	08/07/2023 16:49	08/08/2023 14:47	M
Carbon Disulfide	0.00056 U	mg/Kg	0.0031	0.00056	1	08/07/2023 16:49	08/08/2023 14:47	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0031	0.00045	1	08/07/2023 16:49	08/08/2023 14:47	M
Chlorobenzene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/07/2023 16:49	08/08/2023 14:47	M
Chloroethane	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 16:49	08/08/2023 14:47	M
Chloroform	0.00050 U	mg/Kg	0.0031	0.00050	1	08/07/2023 16:49	08/08/2023 14:47	M
Chloromethane	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 16:49	08/08/2023 14:47	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/07/2023 16:49	08/08/2023 14:47	M
Dibromomethane	0.00059 U	mg/Kg	0.0031	0.00059	1	08/07/2023 16:49	08/08/2023 14:47	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/07/2023 16:49	08/08/2023 14:47	M

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Dates and times are displayed using (-04:00)
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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301026
Sample ID: MAG-7.2

Date Collected: 08/01/2023 12:20
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/07/2023 16:49	08/08/2023 14:47	M
Ethylene Dibromide (EDB)	0.00057 U	mg/Kg	0.0031	0.00057	1	08/07/2023 16:49	08/08/2023 14:47	M
Hexachlorobutadiene	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 16:49	08/08/2023 14:47	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0031	0.0021	1	08/07/2023 16:49	08/08/2023 14:47	M
Isopropylbenzene	0.00070 U	mg/Kg	0.0031	0.00070	1	08/07/2023 16:49	08/08/2023 14:47	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0031	0.00044	1	08/07/2023 16:49	08/08/2023 14:47	M
Methylene Chloride	0.0013 U	mg/Kg	0.0031	0.0013	1	08/07/2023 16:49	08/08/2023 14:47	M
Naphthalene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/07/2023 16:49	08/08/2023 14:47	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/07/2023 16:49	08/08/2023 14:47	M
Tetrachloroethylene (PCE)	0.00063 U	mg/Kg	0.0031	0.00063	1	08/07/2023 16:49	08/08/2023 14:47	M
Toluene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/07/2023 16:49	08/08/2023 14:47	M
Trichloroethene	0.00060 U	mg/Kg	0.0031	0.00060	1	08/07/2023 16:49	08/08/2023 14:47	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/07/2023 16:49	08/08/2023 14:47	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0031	0.00045	1	08/07/2023 16:49	08/08/2023 14:47	M
Vinyl Chloride	0.00053 U	mg/Kg	0.0031	0.00053	1	08/07/2023 16:49	08/08/2023 14:47	M
Xylene (Total)	0.0011 U	mg/Kg	0.0062	0.0011	1	08/07/2023 16:49	08/08/2023 14:47	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0031	0.00046	1	08/07/2023 16:49	08/08/2023 14:47	M
cis-1,3-Dichloropropene	0.00037 U	mg/Kg	0.0031	0.00037	1	08/07/2023 16:49	08/08/2023 14:47	M
n-Butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/07/2023 16:49	08/08/2023 14:47	M
n-propylbenzene	0.00078 U	mg/Kg	0.0031	0.00078	1	08/07/2023 16:49	08/08/2023 14:47	M
sec-butylbenzene	0.00084 U	mg/Kg	0.0031	0.00084	1	08/07/2023 16:49	08/08/2023 14:47	M
tert-butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/07/2023 16:49	08/08/2023 14:47	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301026
Sample ID: MAG-7.2

Date Collected: 08/01/2023 12:20
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00049 U	mg/Kg	0.0031	0.00049	1	08/07/2023 16:49	08/08/2023 14:47	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/07/2023 16:49	08/08/2023 14:47	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	55	112	69 - 134	M
Toluene-d8 (S)	ug/Kg	50	51	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	50	55	112	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301027
Sample ID: MAG-7.4

Date Collected: 08/01/2023 12:25
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	7.6	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00039	U mg/Kg	0.0029	0.00039	1	08/07/2023 16:49	08/08/2023 15:15	M
1,1,1-Trichloroethane	0.00052	U mg/Kg	0.0029	0.00052	1	08/07/2023 16:49	08/08/2023 15:15	M
1,1,2,2-Tetrachloroethane	0.00083	U mg/Kg	0.0029	0.00083	1	08/07/2023 16:49	08/08/2023 15:15	M
1,1,2-Trichloroethane	0.00031	U mg/Kg	0.0029	0.00031	1	08/07/2023 16:49	08/08/2023 15:15	M
1,1-Dichloroethane	0.00040	U mg/Kg	0.0029	0.00040	1	08/07/2023 16:49	08/08/2023 15:15	M
1,1-Dichloroethylene	0.00051	U mg/Kg	0.0029	0.00051	1	08/07/2023 16:49	08/08/2023 15:15	M
1,1-Dichloropropene	0.00042	U mg/Kg	0.0029	0.00042	1	08/07/2023 16:49	08/08/2023 15:15	M
1,2,3-Trichlorobenzene	0.00077	U mg/Kg	0.0029	0.00077	1	08/07/2023 16:49	08/08/2023 15:15	M
1,2,3-Trichloropropane	0.00077	U mg/Kg	0.0029	0.00077	1	08/07/2023 16:49	08/08/2023 15:15	M
1,2,4-Trichlorobenzene	0.00078	U mg/Kg	0.0029	0.00078	1	08/07/2023 16:49	08/08/2023 15:15	M
1,2,4-Trimethylbenzene	0.00076	U mg/Kg	0.0029	0.00076	1	08/07/2023 16:49	08/08/2023 15:15	M
1,2-Dibromo-3-Chloropropane	0.00059	U mg/Kg	0.0029	0.00059	1	08/07/2023 16:49	08/08/2023 15:15	M
1,2-Dichlorobenzene	0.0011	U mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 15:15	M
1,2-Dichloroethane	0.00035	U mg/Kg	0.0029	0.00035	1	08/07/2023 16:49	08/08/2023 15:15	M
1,2-Dichloropropane	0.00056	U mg/Kg	0.0029	0.00056	1	08/07/2023 16:49	08/08/2023 15:15	M
1,3,5-Trimethylbenzene	0.00081	U mg/Kg	0.0029	0.00081	1	08/07/2023 16:49	08/08/2023 15:15	M
1,3-Dichlorobenzene	0.0010	U mg/Kg	0.0029	0.0010	1	08/07/2023 16:49	08/08/2023 15:15	M
1,3-Dichloropropane	0.00048	U mg/Kg	0.0029	0.00048	1	08/07/2023 16:49	08/08/2023 15:15	M
1,4-Dichlorobenzene	0.0011	U mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 15:15	M
2,2-Dichloropropane	0.00032	U mg/Kg	0.0029	0.00032	1	08/07/2023 16:49	08/08/2023 15:15	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301027
Sample ID: MAG-7.4

Date Collected: 08/01/2023 12:25
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00072 U	mg/Kg	0.0029	0.00072	1	08/07/2023 16:49	08/08/2023 15:15	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0029	0.0015	1	08/07/2023 16:49	08/08/2023 15:15	M
2-Chlorotoluene	0.00073 U	mg/Kg	0.0029	0.00073	1	08/07/2023 16:49	08/08/2023 15:15	M
2-Hexanone	0.00056 U	mg/Kg	0.0029	0.00056	1	08/07/2023 16:49	08/08/2023 15:15	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 15:15	M
4-Methyl-2-pentanone (MIBK)	0.00080 U	mg/Kg	0.0029	0.00080	1	08/07/2023 16:49	08/08/2023 15:15	M
Acetone	0.0010 U	mg/Kg	0.0029	0.0010	1	08/07/2023 16:49	08/08/2023 15:15	M
Acrolein (Propenal)	0.0076 U	mg/Kg	0.015	0.0076	1	08/07/2023 16:49	08/08/2023 15:15	M
Acrylonitrile	0.0013 U	mg/Kg	0.0029	0.0013	1	08/07/2023 16:49	08/08/2023 15:15	M
Benzene	0.00029 U	mg/Kg	0.0029	0.00029	1	08/07/2023 16:49	08/08/2023 15:15	M
Bromobenzene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 15:15	M
Bromochloromethane	0.00061 U	mg/Kg	0.0029	0.00061	1	08/07/2023 16:49	08/08/2023 15:15	M
Bromodichloromethane	0.00073 U	mg/Kg	0.0029	0.00073	1	08/07/2023 16:49	08/08/2023 15:15	M
Bromoform	0.00086 U	mg/Kg	0.0029	0.00086	1	08/07/2023 16:49	08/08/2023 15:15	M
Bromomethane	0.0020 U	mg/Kg	0.0029	0.0020	1	08/07/2023 16:49	08/08/2023 15:15	M
Carbon Disulfide	0.00053 U	mg/Kg	0.0029	0.00053	1	08/07/2023 16:49	08/08/2023 15:15	M
Carbon Tetrachloride	0.00043 U	mg/Kg	0.0029	0.00043	1	08/07/2023 16:49	08/08/2023 15:15	M
Chlorobenzene	0.00036 U	mg/Kg	0.0029	0.00036	1	08/07/2023 16:49	08/08/2023 15:15	M
Chloroethane	0.0011 U	mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 15:15	M
Chloroform	0.00047 U	mg/Kg	0.0029	0.00047	1	08/07/2023 16:49	08/08/2023 15:15	M
Chloromethane	0.00072 U	mg/Kg	0.0029	0.00072	1	08/07/2023 16:49	08/08/2023 15:15	M
Dibromochloromethane	0.00041 U	mg/Kg	0.0029	0.00041	1	08/07/2023 16:49	08/08/2023 15:15	M
Dibromomethane	0.00056 U	mg/Kg	0.0029	0.00056	1	08/07/2023 16:49	08/08/2023 15:15	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301027
Sample ID: MAG-7.4

Date Collected: 08/01/2023 12:25
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00096 U	mg/Kg	0.0029	0.00096	1	08/07/2023 16:49	08/08/2023 15:15	M
Ethylbenzene	0.00037 U	mg/Kg	0.0029	0.00037	1	08/07/2023 16:49	08/08/2023 15:15	M
Ethylene Dibromide (EDB)	0.00054 U	mg/Kg	0.0029	0.00054	1	08/07/2023 16:49	08/08/2023 15:15	M
Hexachlorobutadiene	0.00072 U	mg/Kg	0.0029	0.00072	1	08/07/2023 16:49	08/08/2023 15:15	M
Iodomethane (Methyl Iodide)	0.0020 U	mg/Kg	0.0029	0.0020	1	08/07/2023 16:49	08/08/2023 15:15	M
Isopropylbenzene	0.00066 U	mg/Kg	0.0029	0.00066	1	08/07/2023 16:49	08/08/2023 15:15	M
Methyl tert-butyl Ether (MTBE)	0.00042 U	mg/Kg	0.0029	0.00042	1	08/07/2023 16:49	08/08/2023 15:15	M
Methylene Chloride	0.0012 U	mg/Kg	0.0029	0.0012	1	08/07/2023 16:49	08/08/2023 15:15	M
Naphthalene	0.00065 U	mg/Kg	0.0029	0.00065	1	08/07/2023 16:49	08/08/2023 15:15	M
Styrene	0.00031 U	mg/Kg	0.0029	0.00031	1	08/07/2023 16:49	08/08/2023 15:15	M
Tetrachloroethylene (PCE)	0.00059 U	mg/Kg	0.0029	0.00059	1	08/07/2023 16:49	08/08/2023 15:15	M
Toluene	0.00045 U	mg/Kg	0.0029	0.00045	1	08/07/2023 16:49	08/08/2023 15:15	M
Trichloroethene	0.00057 U	mg/Kg	0.0029	0.00057	1	08/07/2023 16:49	08/08/2023 15:15	M
Trichlorofluoromethane	0.00040 U	mg/Kg	0.0029	0.00040	1	08/07/2023 16:49	08/08/2023 15:15	M
Vinyl Acetate	0.00043 U	mg/Kg	0.0029	0.00043	1	08/07/2023 16:49	08/08/2023 15:15	M
Vinyl Chloride	0.00050 U	mg/Kg	0.0029	0.00050	1	08/07/2023 16:49	08/08/2023 15:15	M
Xylene (Total)	0.0011 U	mg/Kg	0.0059	0.0011	1	08/07/2023 16:49	08/08/2023 15:15	M
cis-1,2-Dichloroethylene	0.00044 U	mg/Kg	0.0029	0.00044	1	08/07/2023 16:49	08/08/2023 15:15	M
cis-1,3-Dichloropropene	0.00035 U	mg/Kg	0.0029	0.00035	1	08/07/2023 16:49	08/08/2023 15:15	M
n-Butylbenzene	0.00068 U	mg/Kg	0.0029	0.00068	1	08/07/2023 16:49	08/08/2023 15:15	M
n-propylbenzene	0.00074 U	mg/Kg	0.0029	0.00074	1	08/07/2023 16:49	08/08/2023 15:15	M
sec-butylbenzene	0.00079 U	mg/Kg	0.0029	0.00079	1	08/07/2023 16:49	08/08/2023 15:15	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301027
Sample ID: MAG-7.4

Date Collected: 08/01/2023 12:25
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00068 U	mg/Kg	0.0029	0.00068	1	08/07/2023 16:49	08/08/2023 15:15	M
trans-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0029	0.00046	1	08/07/2023 16:49	08/08/2023 15:15	M
trans-1,3-Dichloropropylene	0.00037 U	mg/Kg	0.0029	0.00037	1	08/07/2023 16:49	08/08/2023 15:15	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	45	52	115	69 - 134	M
Toluene-d8 (S)	ug/Kg	45	47	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	45	50	112	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301028
Sample ID: MAG-7.6

Date Collected: 08/01/2023 12:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.8	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00039	U mg/Kg	0.0029	0.00039	1	08/07/2023 16:49	08/08/2023 15:42	M
1,1,1-Trichloroethane	0.00052	U mg/Kg	0.0029	0.00052	1	08/07/2023 16:49	08/08/2023 15:42	M
1,1,2,2-Tetrachloroethane	0.00083	U mg/Kg	0.0029	0.00083	1	08/07/2023 16:49	08/08/2023 15:42	M
1,1,2-Trichloroethane	0.00031	U mg/Kg	0.0029	0.00031	1	08/07/2023 16:49	08/08/2023 15:42	M
1,1-Dichloroethane	0.00040	U mg/Kg	0.0029	0.00040	1	08/07/2023 16:49	08/08/2023 15:42	M
1,1-Dichloroethylene	0.00051	U mg/Kg	0.0029	0.00051	1	08/07/2023 16:49	08/08/2023 15:42	M
1,1-Dichloropropene	0.00042	U mg/Kg	0.0029	0.00042	1	08/07/2023 16:49	08/08/2023 15:42	M
1,2,3-Trichlorobenzene	0.00077	U mg/Kg	0.0029	0.00077	1	08/07/2023 16:49	08/08/2023 15:42	M
1,2,3-Trichloropropane	0.00077	U mg/Kg	0.0029	0.00077	1	08/07/2023 16:49	08/08/2023 15:42	M
1,2,4-Trichlorobenzene	0.00078	U mg/Kg	0.0029	0.00078	1	08/07/2023 16:49	08/08/2023 15:42	M
1,2,4-Trimethylbenzene	0.00076	U mg/Kg	0.0029	0.00076	1	08/07/2023 16:49	08/08/2023 15:42	M
1,2-Dibromo-3-Chloropropane	0.00059	U mg/Kg	0.0029	0.00059	1	08/07/2023 16:49	08/08/2023 15:42	M
1,2-Dichlorobenzene	0.0011	U mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 15:42	M
1,2-Dichloroethane	0.00035	U mg/Kg	0.0029	0.00035	1	08/07/2023 16:49	08/08/2023 15:42	M
1,2-Dichloropropane	0.00056	U mg/Kg	0.0029	0.00056	1	08/07/2023 16:49	08/08/2023 15:42	M
1,3,5-Trimethylbenzene	0.00081	U mg/Kg	0.0029	0.00081	1	08/07/2023 16:49	08/08/2023 15:42	M
1,3-Dichlorobenzene	0.0010	U mg/Kg	0.0029	0.0010	1	08/07/2023 16:49	08/08/2023 15:42	M
1,3-Dichloropropane	0.00048	U mg/Kg	0.0029	0.00048	1	08/07/2023 16:49	08/08/2023 15:42	M
1,4-Dichlorobenzene	0.0011	U mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 15:42	M
2,2-Dichloropropane	0.00032	U mg/Kg	0.0029	0.00032	1	08/07/2023 16:49	08/08/2023 15:42	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301028
Sample ID: MAG-7.6

Date Collected: 08/01/2023 12:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00072 U	mg/Kg	0.0029	0.00072	1	08/07/2023 16:49	08/08/2023 15:42	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0029	0.0015	1	08/07/2023 16:49	08/08/2023 15:42	M
2-Chlorotoluene	0.00073 U	mg/Kg	0.0029	0.00073	1	08/07/2023 16:49	08/08/2023 15:42	M
2-Hexanone	0.00056 U	mg/Kg	0.0029	0.00056	1	08/07/2023 16:49	08/08/2023 15:42	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 15:42	M
4-Methyl-2-pentanone (MIBK)	0.00080 U	mg/Kg	0.0029	0.00080	1	08/07/2023 16:49	08/08/2023 15:42	M
Acetone	0.0010 U	mg/Kg	0.0029	0.0010	1	08/07/2023 16:49	08/08/2023 15:42	M
Acrolein (Propenal)	0.0076 U	mg/Kg	0.015	0.0076	1	08/07/2023 16:49	08/08/2023 15:42	M
Acrylonitrile	0.0013 U	mg/Kg	0.0029	0.0013	1	08/07/2023 16:49	08/08/2023 15:42	M
Benzene	0.00029 U	mg/Kg	0.0029	0.00029	1	08/07/2023 16:49	08/08/2023 15:42	M
Bromobenzene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 15:42	M
Bromochloromethane	0.00061 U	mg/Kg	0.0029	0.00061	1	08/07/2023 16:49	08/08/2023 15:42	M
Bromodichloromethane	0.00073 U	mg/Kg	0.0029	0.00073	1	08/07/2023 16:49	08/08/2023 15:42	M
Bromoform	0.00086 U	mg/Kg	0.0029	0.00086	1	08/07/2023 16:49	08/08/2023 15:42	M
Bromomethane	0.0020 U	mg/Kg	0.0029	0.0020	1	08/07/2023 16:49	08/08/2023 15:42	M
Carbon Disulfide	0.00053 U	mg/Kg	0.0029	0.00053	1	08/07/2023 16:49	08/08/2023 15:42	M
Carbon Tetrachloride	0.00043 U	mg/Kg	0.0029	0.00043	1	08/07/2023 16:49	08/08/2023 15:42	M
Chlorobenzene	0.00036 U	mg/Kg	0.0029	0.00036	1	08/07/2023 16:49	08/08/2023 15:42	M
Chloroethane	0.0011 U	mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 15:42	M
Chloroform	0.00047 U	mg/Kg	0.0029	0.00047	1	08/07/2023 16:49	08/08/2023 15:42	M
Chloromethane	0.00072 U	mg/Kg	0.0029	0.00072	1	08/07/2023 16:49	08/08/2023 15:42	M
Dibromochloromethane	0.00041 U	mg/Kg	0.0029	0.00041	1	08/07/2023 16:49	08/08/2023 15:42	M
Dibromomethane	0.00056 U	mg/Kg	0.0029	0.00056	1	08/07/2023 16:49	08/08/2023 15:42	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301028
Sample ID: MAG-7.6

Date Collected: 08/01/2023 12:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00096 U	mg/Kg	0.0029	0.00096	1	08/07/2023 16:49	08/08/2023 15:42	M
Ethylbenzene	0.00037 U	mg/Kg	0.0029	0.00037	1	08/07/2023 16:49	08/08/2023 15:42	M
Ethylene Dibromide (EDB)	0.00054 U	mg/Kg	0.0029	0.00054	1	08/07/2023 16:49	08/08/2023 15:42	M
Hexachlorobutadiene	0.00072 U	mg/Kg	0.0029	0.00072	1	08/07/2023 16:49	08/08/2023 15:42	M
Iodomethane (Methyl Iodide)	0.0020 U	mg/Kg	0.0029	0.0020	1	08/07/2023 16:49	08/08/2023 15:42	M
Isopropylbenzene	0.00066 U	mg/Kg	0.0029	0.00066	1	08/07/2023 16:49	08/08/2023 15:42	M
Methyl tert-butyl Ether (MTBE)	0.00042 U	mg/Kg	0.0029	0.00042	1	08/07/2023 16:49	08/08/2023 15:42	M
Methylene Chloride	0.0012 U	mg/Kg	0.0029	0.0012	1	08/07/2023 16:49	08/08/2023 15:42	M
Naphthalene	0.00065 U	mg/Kg	0.0029	0.00065	1	08/07/2023 16:49	08/08/2023 15:42	M
Styrene	0.00031 U	mg/Kg	0.0029	0.00031	1	08/07/2023 16:49	08/08/2023 15:42	M
Tetrachloroethylene (PCE)	0.00059 U	mg/Kg	0.0029	0.00059	1	08/07/2023 16:49	08/08/2023 15:42	M
Toluene	0.00045 U	mg/Kg	0.0029	0.00045	1	08/07/2023 16:49	08/08/2023 15:42	M
Trichloroethene	0.00057 U	mg/Kg	0.0029	0.00057	1	08/07/2023 16:49	08/08/2023 15:42	M
Trichlorofluoromethane	0.00040 U	mg/Kg	0.0029	0.00040	1	08/07/2023 16:49	08/08/2023 15:42	M
Vinyl Acetate	0.00043 U	mg/Kg	0.0029	0.00043	1	08/07/2023 16:49	08/08/2023 15:42	M
Vinyl Chloride	0.00050 U	mg/Kg	0.0029	0.00050	1	08/07/2023 16:49	08/08/2023 15:42	M
Xylene (Total)	0.0011 U	mg/Kg	0.0059	0.0011	1	08/07/2023 16:49	08/08/2023 15:42	M
cis-1,2-Dichloroethylene	0.00044 U	mg/Kg	0.0029	0.00044	1	08/07/2023 16:49	08/08/2023 15:42	M
cis-1,3-Dichloropropene	0.00035 U	mg/Kg	0.0029	0.00035	1	08/07/2023 16:49	08/08/2023 15:42	M
n-Butylbenzene	0.00068 U	mg/Kg	0.0029	0.00068	1	08/07/2023 16:49	08/08/2023 15:42	M
n-propylbenzene	0.00074 U	mg/Kg	0.0029	0.00074	1	08/07/2023 16:49	08/08/2023 15:42	M
sec-butylbenzene	0.00079 U	mg/Kg	0.0029	0.00079	1	08/07/2023 16:49	08/08/2023 15:42	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301028
Sample ID: MAG-7.6

Date Collected: 08/01/2023 12:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00068 U	mg/Kg	0.0029	0.00068	1	08/07/2023 16:49	08/08/2023 15:42	M
trans-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0029	0.00046	1	08/07/2023 16:49	08/08/2023 15:42	M
trans-1,3-Dichloropropylene	0.00037 U	mg/Kg	0.0029	0.00037	1	08/07/2023 16:49	08/08/2023 15:42	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	47	52	111	69 - 134	M
Toluene-d8 (S)	ug/Kg	47	52	110	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	47	52	112	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301029
Sample ID: MAG-8.05

Date Collected: 08/01/2023 12:45
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	7.6	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00045	U mg/Kg	0.0034	0.00045	1	08/07/2023 16:49	08/08/2023 16:09	M
1,1,1-Trichloroethane	0.00059	U mg/Kg	0.0034	0.00059	1	08/07/2023 16:49	08/08/2023 16:09	M
1,1,2,2-Tetrachloroethane	0.00095	U mg/Kg	0.0034	0.00095	1	08/07/2023 16:49	08/08/2023 16:09	M
1,1,2-Trichloroethane	0.00036	U mg/Kg	0.0034	0.00036	1	08/07/2023 16:49	08/08/2023 16:09	M
1,1-Dichloroethane	0.00046	U mg/Kg	0.0034	0.00046	1	08/07/2023 16:49	08/08/2023 16:09	M
1,1-Dichloroethylene	0.00058	U mg/Kg	0.0034	0.00058	1	08/07/2023 16:49	08/08/2023 16:09	M
1,1-Dichloropropene	0.00048	U mg/Kg	0.0034	0.00048	1	08/07/2023 16:49	08/08/2023 16:09	M
1,2,3-Trichlorobenzene	0.00089	U mg/Kg	0.0034	0.00089	1	08/07/2023 16:49	08/08/2023 16:09	M
1,2,3-Trichloropropane	0.00088	U mg/Kg	0.0034	0.00088	1	08/07/2023 16:49	08/08/2023 16:09	M
1,2,4-Trichlorobenzene	0.00090	U mg/Kg	0.0034	0.00090	1	08/07/2023 16:49	08/08/2023 16:09	M
1,2,4-Trimethylbenzene	0.00087	U mg/Kg	0.0034	0.00087	1	08/07/2023 16:49	08/08/2023 16:09	M
1,2-Dibromo-3-Chloropropane	0.00067	U mg/Kg	0.0034	0.00067	1	08/07/2023 16:49	08/08/2023 16:09	M
1,2-Dichlorobenzene	0.0012	U mg/Kg	0.0034	0.0012	1	08/07/2023 16:49	08/08/2023 16:09	M
1,2-Dichloroethane	0.00040	U mg/Kg	0.0034	0.00040	1	08/07/2023 16:49	08/08/2023 16:09	M
1,2-Dichloropropane	0.00064	U mg/Kg	0.0034	0.00064	1	08/07/2023 16:49	08/08/2023 16:09	M
1,3,5-Trimethylbenzene	0.00093	U mg/Kg	0.0034	0.00093	1	08/07/2023 16:49	08/08/2023 16:09	M
1,3-Dichlorobenzene	0.0012	U mg/Kg	0.0034	0.0012	1	08/07/2023 16:49	08/08/2023 16:09	M
1,3-Dichloropropane	0.00055	U mg/Kg	0.0034	0.00055	1	08/07/2023 16:49	08/08/2023 16:09	M
1,4-Dichlorobenzene	0.0012	U mg/Kg	0.0034	0.0012	1	08/07/2023 16:49	08/08/2023 16:09	M
2,2-Dichloropropane	0.00037	U mg/Kg	0.0034	0.00037	1	08/07/2023 16:49	08/08/2023 16:09	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301029
Sample ID: MAG-8.05

Date Collected: 08/01/2023 12:45
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00083 U	mg/Kg	0.0034	0.00083	1	08/07/2023 16:49	08/08/2023 16:09	M
2-Chloroethyl Vinyl Ether	0.0017 U	mg/Kg	0.0034	0.0017	1	08/07/2023 16:49	08/08/2023 16:09	M
2-Chlorotoluene	0.00084 U	mg/Kg	0.0034	0.00084	1	08/07/2023 16:49	08/08/2023 16:09	M
2-Hexanone	0.00064 U	mg/Kg	0.0034	0.00064	1	08/07/2023 16:49	08/08/2023 16:09	M
4-Chlorotoluene	0.0013 U	mg/Kg	0.0034	0.0013	1	08/07/2023 16:49	08/08/2023 16:09	M
4-Methyl-2-pentanone (MIBK)	0.00092 U	mg/Kg	0.0034	0.00092	1	08/07/2023 16:49	08/08/2023 16:09	M
Acetone	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 16:49	08/08/2023 16:09	M
Acrolein (Propenal)	0.0087 U	mg/Kg	0.017	0.0087	1	08/07/2023 16:49	08/08/2023 16:09	M
Acrylonitrile	0.0015 U	mg/Kg	0.0034	0.0015	1	08/07/2023 16:49	08/08/2023 16:09	M
Benzene	0.00034 U	mg/Kg	0.0034	0.00034	1	08/07/2023 16:49	08/08/2023 16:09	M
Bromobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/07/2023 16:49	08/08/2023 16:09	M
Bromochloromethane	0.00071 U	mg/Kg	0.0034	0.00071	1	08/07/2023 16:49	08/08/2023 16:09	M
Bromodichloromethane	0.00084 U	mg/Kg	0.0034	0.00084	1	08/07/2023 16:49	08/08/2023 16:09	M
Bromoform	0.00099 U	mg/Kg	0.0034	0.00099	1	08/07/2023 16:49	08/08/2023 16:09	M
Bromomethane	0.0023 U	mg/Kg	0.0034	0.0023	1	08/07/2023 16:49	08/08/2023 16:09	M
Carbon Disulfide	0.00061 U	mg/Kg	0.0034	0.00061	1	08/07/2023 16:49	08/08/2023 16:09	M
Carbon Tetrachloride	0.00049 U	mg/Kg	0.0034	0.00049	1	08/07/2023 16:49	08/08/2023 16:09	M
Chlorobenzene	0.00041 U	mg/Kg	0.0034	0.00041	1	08/07/2023 16:49	08/08/2023 16:09	M
Chloroethane	0.0013 U	mg/Kg	0.0034	0.0013	1	08/07/2023 16:49	08/08/2023 16:09	M
Chloroform	0.00054 U	mg/Kg	0.0034	0.00054	1	08/07/2023 16:49	08/08/2023 16:09	M
Chloromethane	0.00083 U	mg/Kg	0.0034	0.00083	1	08/07/2023 16:49	08/08/2023 16:09	M
Dibromochloromethane	0.00047 U	mg/Kg	0.0034	0.00047	1	08/07/2023 16:49	08/08/2023 16:09	M
Dibromomethane	0.00064 U	mg/Kg	0.0034	0.00064	1	08/07/2023 16:49	08/08/2023 16:09	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0034	0.0011	1	08/07/2023 16:49	08/08/2023 16:09	M

Wednesday, August 9, 2023 3:28:06 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301029
Sample ID: MAG-8.05

Date Collected: 08/01/2023 12:45
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/07/2023 16:49	08/08/2023 16:09	M
Ethylene Dibromide (EDB)	0.00062 U	mg/Kg	0.0034	0.00062	1	08/07/2023 16:49	08/08/2023 16:09	M
Hexachlorobutadiene	0.00083 U	mg/Kg	0.0034	0.00083	1	08/07/2023 16:49	08/08/2023 16:09	M
Iodomethane (Methyl Iodide)	0.0023 U	mg/Kg	0.0034	0.0023	1	08/07/2023 16:49	08/08/2023 16:09	M
Isopropylbenzene	0.00076 U	mg/Kg	0.0034	0.00076	1	08/07/2023 16:49	08/08/2023 16:09	M
Methyl tert-butyl Ether (MTBE)	0.00048 U	mg/Kg	0.0034	0.00048	1	08/07/2023 16:49	08/08/2023 16:09	M
Methylene Chloride	0.0014 U	mg/Kg	0.0034	0.0014	1	08/07/2023 16:49	08/08/2023 16:09	M
Naphthalene	0.00075 U	mg/Kg	0.0034	0.00075	1	08/07/2023 16:49	08/08/2023 16:09	M
Styrene	0.00036 U	mg/Kg	0.0034	0.00036	1	08/07/2023 16:49	08/08/2023 16:09	M
Tetrachloroethylene (PCE)	0.00085 I	mg/Kg	0.0034	0.00085	1	08/07/2023 16:49	08/08/2023 16:09	M
Toluene	0.00052 U	mg/Kg	0.0034	0.00052	1	08/07/2023 16:49	08/08/2023 16:09	M
Trichloroethene	0.00065 U	mg/Kg	0.0034	0.00065	1	08/07/2023 16:49	08/08/2023 16:09	M
Trichlorofluoromethane	0.00046 U	mg/Kg	0.0034	0.00046	1	08/07/2023 16:49	08/08/2023 16:09	M
Vinyl Acetate	0.00049 U	mg/Kg	0.0034	0.00049	1	08/07/2023 16:49	08/08/2023 16:09	M
Vinyl Chloride	0.00057 U	mg/Kg	0.0034	0.00057	1	08/07/2023 16:49	08/08/2023 16:09	M
Xylene (Total)	0.0012 U	mg/Kg	0.0067	0.0012	1	08/07/2023 16:49	08/08/2023 16:09	M
cis-1,2-Dichloroethylene	0.00050 U	mg/Kg	0.0034	0.00050	1	08/07/2023 16:49	08/08/2023 16:09	M
cis-1,3-Dichloropropene	0.00040 U	mg/Kg	0.0034	0.00040	1	08/07/2023 16:49	08/08/2023 16:09	M
n-Butylbenzene	0.00078 U	mg/Kg	0.0034	0.00078	1	08/07/2023 16:49	08/08/2023 16:09	M
n-propylbenzene	0.00085 U	mg/Kg	0.0034	0.00085	1	08/07/2023 16:49	08/08/2023 16:09	M
sec-butylbenzene	0.00091 U	mg/Kg	0.0034	0.00091	1	08/07/2023 16:49	08/08/2023 16:09	M
tert-butylbenzene	0.00078 U	mg/Kg	0.0034	0.00078	1	08/07/2023 16:49	08/08/2023 16:09	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301029
Sample ID: MAG-8.05

Date Collected: 08/01/2023 12:45
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00053 U	mg/Kg	0.0034	0.00053	1	08/07/2023 16:49	08/08/2023 16:09	M
trans-1,3-Dichloropropylene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/07/2023 16:49	08/08/2023 16:09	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	52	60	115	69 - 134	M
Toluene-d8 (S)	ug/Kg	52	54	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	52	59	115	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301030	Date Collected: 08/01/2023 12:52			Matrix: Soil				
Sample ID: MAG-8.2	Date Received: 08/01/2023 15:30							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.1	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00038 U	mg/Kg	0.0029	0.00038	1	08/07/2023 16:49	08/08/2023 16:36	M
1,1,1-Trichloroethane	0.00051 U	mg/Kg	0.0029	0.00051	1	08/07/2023 16:49	08/08/2023 16:36	M
1,1,2,2-Tetrachloroethane	0.00081 U	mg/Kg	0.0029	0.00081	1	08/07/2023 16:49	08/08/2023 16:36	M
1,1,2-Trichloroethane	0.00031 U	mg/Kg	0.0029	0.00031	1	08/07/2023 16:49	08/08/2023 16:36	M
1,1-Dichloroethane	0.00039 U	mg/Kg	0.0029	0.00039	1	08/07/2023 16:49	08/08/2023 16:36	M
1,1-Dichloroethylene	0.00050 U	mg/Kg	0.0029	0.00050	1	08/07/2023 16:49	08/08/2023 16:36	M
1,1-Dichloropropene	0.00041 U	mg/Kg	0.0029	0.00041	1	08/07/2023 16:49	08/08/2023 16:36	M
1,2,3-Trichlorobenzene	0.00076 U	mg/Kg	0.0029	0.00076	1	08/07/2023 16:49	08/08/2023 16:36	M
1,2,3-Trichloropropane	0.00075 U	mg/Kg	0.0029	0.00075	1	08/07/2023 16:49	08/08/2023 16:36	M
1,2,4-Trichlorobenzene	0.00076 U	mg/Kg	0.0029	0.00076	1	08/07/2023 16:49	08/08/2023 16:36	M
1,2,4-Trimethylbenzene	0.00075 U	mg/Kg	0.0029	0.00075	1	08/07/2023 16:49	08/08/2023 16:36	M
1,2-Dibromo-3-Chloropropane	0.00057 U	mg/Kg	0.0029	0.00057	1	08/07/2023 16:49	08/08/2023 16:36	M
1,2-Dichlorobenzene	0.0010 U	mg/Kg	0.0029	0.0010	1	08/07/2023 16:49	08/08/2023 16:36	M
1,2-Dichloroethane	0.00034 U	mg/Kg	0.0029	0.00034	1	08/07/2023 16:49	08/08/2023 16:36	M
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0029	0.00054	1	08/07/2023 16:49	08/08/2023 16:36	M
1,3,5-Trimethylbenzene	0.00079 U	mg/Kg	0.0029	0.00079	1	08/07/2023 16:49	08/08/2023 16:36	M
1,3-Dichlorobenzene	0.00098 U	mg/Kg	0.0029	0.00098	1	08/07/2023 16:49	08/08/2023 16:36	M
1,3-Dichloropropane	0.00047 U	mg/Kg	0.0029	0.00047	1	08/07/2023 16:49	08/08/2023 16:36	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 16:36	M
2,2-Dichloropropane	0.00032 U	mg/Kg	0.0029	0.00032	1	08/07/2023 16:49	08/08/2023 16:36	M





FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301030
Sample ID: MAG-8.2

Date Collected: 08/01/2023 12:52
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00071 U	mg/Kg	0.0029	0.00071	1	08/07/2023 16:49	08/08/2023 16:36	M
2-Chloroethyl Vinyl Ether	0.0014 U	mg/Kg	0.0029	0.0014	1	08/07/2023 16:49	08/08/2023 16:36	M
2-Chlorotoluene	0.00072 U	mg/Kg	0.0029	0.00072	1	08/07/2023 16:49	08/08/2023 16:36	M
2-Hexanone	0.00054 U	mg/Kg	0.0029	0.00054	1	08/07/2023 16:49	08/08/2023 16:36	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 16:36	M
4-Methyl-2-pentanone (MIBK)	0.00078 U	mg/Kg	0.0029	0.00078	1	08/07/2023 16:49	08/08/2023 16:36	M
Acetone	0.00098 U	mg/Kg	0.0029	0.00098	1	08/07/2023 16:49	08/08/2023 16:36	M
Acrolein (Propenal)	0.0074 U	mg/Kg	0.014	0.0074	1	08/07/2023 16:49	08/08/2023 16:36	M
Acrylonitrile	0.0012 U	mg/Kg	0.0029	0.0012	1	08/07/2023 16:49	08/08/2023 16:36	M
Benzene	0.00029 U	mg/Kg	0.0029	0.00029	1	08/07/2023 16:49	08/08/2023 16:36	M
Bromobenzene	0.0010 U	mg/Kg	0.0029	0.0010	1	08/07/2023 16:49	08/08/2023 16:36	M
Bromochloromethane	0.00060 U	mg/Kg	0.0029	0.00060	1	08/07/2023 16:49	08/08/2023 16:36	M
Bromodichloromethane	0.00072 U	mg/Kg	0.0029	0.00072	1	08/07/2023 16:49	08/08/2023 16:36	M
Bromoform	0.00084 U	mg/Kg	0.0029	0.00084	1	08/07/2023 16:49	08/08/2023 16:36	M
Bromomethane	0.0020 U	mg/Kg	0.0029	0.0020	1	08/07/2023 16:49	08/08/2023 16:36	M
Carbon Disulfide	0.00052 U	mg/Kg	0.0029	0.00052	1	08/07/2023 16:49	08/08/2023 16:36	M
Carbon Tetrachloride	0.00042 U	mg/Kg	0.0029	0.00042	1	08/07/2023 16:49	08/08/2023 16:36	M
Chlorobenzene	0.00035 U	mg/Kg	0.0029	0.00035	1	08/07/2023 16:49	08/08/2023 16:36	M
Chloroethane	0.0011 U	mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 16:36	M
Chloroform	0.00046 U	mg/Kg	0.0029	0.00046	1	08/07/2023 16:49	08/08/2023 16:36	M
Chloromethane	0.00071 U	mg/Kg	0.0029	0.00071	1	08/07/2023 16:49	08/08/2023 16:36	M
Dibromochloromethane	0.00040 U	mg/Kg	0.0029	0.00040	1	08/07/2023 16:49	08/08/2023 16:36	M
Dibromomethane	0.00054 U	mg/Kg	0.0029	0.00054	1	08/07/2023 16:49	08/08/2023 16:36	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301030
Sample ID: MAG-8.2

Date Collected: 08/01/2023 12:52
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00094 U	mg/Kg	0.0029	0.00094	1	08/07/2023 16:49	08/08/2023 16:36	M
Ethylbenzene	0.00036 U	mg/Kg	0.0029	0.00036	1	08/07/2023 16:49	08/08/2023 16:36	M
Ethylene Dibromide (EDB)	0.00053 U	mg/Kg	0.0029	0.00053	1	08/07/2023 16:49	08/08/2023 16:36	M
Hexachlorobutadiene	0.00071 U	mg/Kg	0.0029	0.00071	1	08/07/2023 16:49	08/08/2023 16:36	M
Iodomethane (Methyl Iodide)	0.0020 U	mg/Kg	0.0029	0.0020	1	08/07/2023 16:49	08/08/2023 16:36	M
Isopropylbenzene	0.00065 U	mg/Kg	0.0029	0.00065	1	08/07/2023 16:49	08/08/2023 16:36	M
Methyl tert-butyl Ether (MTBE)	0.00041 U	mg/Kg	0.0029	0.00041	1	08/07/2023 16:49	08/08/2023 16:36	M
Methylene Chloride	0.0012 U	mg/Kg	0.0029	0.0012	1	08/07/2023 16:49	08/08/2023 16:36	M
Naphthalene	0.00064 U	mg/Kg	0.0029	0.00064	1	08/07/2023 16:49	08/08/2023 16:36	M
Styrene	0.00031 U	mg/Kg	0.0029	0.00031	1	08/07/2023 16:49	08/08/2023 16:36	M
Tetrachloroethylene (PCE)	0.00058 U	mg/Kg	0.0029	0.00058	1	08/07/2023 16:49	08/08/2023 16:36	M
Toluene	0.00044 U	mg/Kg	0.0029	0.00044	1	08/07/2023 16:49	08/08/2023 16:36	M
Trichloroethene	0.00055 U	mg/Kg	0.0029	0.00055	1	08/07/2023 16:49	08/08/2023 16:36	M
Trichlorofluoromethane	0.00039 U	mg/Kg	0.0029	0.00039	1	08/07/2023 16:49	08/08/2023 16:36	M
Vinyl Acetate	0.00042 U	mg/Kg	0.0029	0.00042	1	08/07/2023 16:49	08/08/2023 16:36	M
Vinyl Chloride	0.00049 U	mg/Kg	0.0029	0.00049	1	08/07/2023 16:49	08/08/2023 16:36	M
Xylene (Total)	0.0010 U	mg/Kg	0.0057	0.0010	1	08/07/2023 16:49	08/08/2023 16:36	M
cis-1,2-Dichloroethylene	0.00043 U	mg/Kg	0.0029	0.00043	1	08/07/2023 16:49	08/08/2023 16:36	M
cis-1,3-Dichloropropene	0.00034 U	mg/Kg	0.0029	0.00034	1	08/07/2023 16:49	08/08/2023 16:36	M
n-Butylbenzene	0.00067 U	mg/Kg	0.0029	0.00067	1	08/07/2023 16:49	08/08/2023 16:36	M
n-propylbenzene	0.00073 U	mg/Kg	0.0029	0.00073	1	08/07/2023 16:49	08/08/2023 16:36	M
sec-butylbenzene	0.00077 U	mg/Kg	0.0029	0.00077	1	08/07/2023 16:49	08/08/2023 16:36	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301030
Sample ID: MAG-8.2

Date Collected: 08/01/2023 12:52
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00067 U	mg/Kg	0.0029	0.00067	1	08/07/2023 16:49	08/08/2023 16:36	M
trans-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0029	0.00045	1	08/07/2023 16:49	08/08/2023 16:36	M
trans-1,3-Dichloropropylene	0.00036 U	mg/Kg	0.0029	0.00036	1	08/07/2023 16:49	08/08/2023 16:36	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46	51	110	69 - 134	M
Toluene-d8 (S)	ug/Kg	46	48	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	46	52	112	79 - 126	M

Wednesday, August 9, 2023 3:28:06 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301031
Sample ID: MAG-8.4

Date Collected: 08/01/2023 13:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	4.0	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0030	0.00041	1	08/07/2023 16:49	08/08/2023 17:04	M
1,1,1-Trichloroethane	0.00054 U	mg/Kg	0.0030	0.00054	1	08/07/2023 16:49	08/08/2023 17:04	M
1,1,2,2-Tetrachloroethane	0.00086 U	mg/Kg	0.0030	0.00086	1	08/07/2023 16:49	08/08/2023 17:04	M
1,1,2-Trichloroethane	0.00032 U	mg/Kg	0.0030	0.00032	1	08/07/2023 16:49	08/08/2023 17:04	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0030	0.00042	1	08/07/2023 16:49	08/08/2023 17:04	M
1,1-Dichloroethylene	0.00053 U	mg/Kg	0.0030	0.00053	1	08/07/2023 16:49	08/08/2023 17:04	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0030	0.00044	1	08/07/2023 16:49	08/08/2023 17:04	M
1,2,3-Trichlorobenzene	0.00080 U	mg/Kg	0.0030	0.00080	1	08/07/2023 16:49	08/08/2023 17:04	M
1,2,3-Trichloropropane	0.00080 U	mg/Kg	0.0030	0.00080	1	08/07/2023 16:49	08/08/2023 17:04	M
1,2,4-Trichlorobenzene	0.00081 U	mg/Kg	0.0030	0.00081	1	08/07/2023 16:49	08/08/2023 17:04	M
1,2,4-Trimethylbenzene	0.00079 U	mg/Kg	0.0030	0.00079	1	08/07/2023 16:49	08/08/2023 17:04	M
1,2-Dibromo-3-Chloropropane	0.00061 U	mg/Kg	0.0030	0.00061	1	08/07/2023 16:49	08/08/2023 17:04	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 16:49	08/08/2023 17:04	M
1,2-Dichloroethane	0.00036 U	mg/Kg	0.0030	0.00036	1	08/07/2023 16:49	08/08/2023 17:04	M
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0030	0.00058	1	08/07/2023 16:49	08/08/2023 17:04	M
1,3,5-Trimethylbenzene	0.00084 U	mg/Kg	0.0030	0.00084	1	08/07/2023 16:49	08/08/2023 17:04	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0030	0.0010	1	08/07/2023 16:49	08/08/2023 17:04	M
1,3-Dichloropropane	0.00050 U	mg/Kg	0.0030	0.00050	1	08/07/2023 16:49	08/08/2023 17:04	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 16:49	08/08/2023 17:04	M
2,2-Dichloropropane	0.00033 U	mg/Kg	0.0030	0.00033	1	08/07/2023 16:49	08/08/2023 17:04	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301031
Sample ID: MAG-8.4

Date Collected: 08/01/2023 13:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00075 U	mg/Kg	0.0030	0.00075	1	08/07/2023 16:49	08/08/2023 17:04	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	1	08/07/2023 16:49	08/08/2023 17:04	M
2-Chlorotoluene	0.00076 U	mg/Kg	0.0030	0.00076	1	08/07/2023 16:49	08/08/2023 17:04	M
2-Hexanone	0.00058 U	mg/Kg	0.0030	0.00058	1	08/07/2023 16:49	08/08/2023 17:04	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 16:49	08/08/2023 17:04	M
4-Methyl-2-pentanone (MIBK)	0.00083 U	mg/Kg	0.0030	0.00083	1	08/07/2023 16:49	08/08/2023 17:04	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	1	08/07/2023 16:49	08/08/2023 17:04	M
Acrolein (Propenal)	0.0079 U	mg/Kg	0.015	0.0079	1	08/07/2023 16:49	08/08/2023 17:04	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	1	08/07/2023 16:49	08/08/2023 17:04	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	1	08/07/2023 16:49	08/08/2023 17:04	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 16:49	08/08/2023 17:04	M
Bromochloromethane	0.00064 U	mg/Kg	0.0030	0.00064	1	08/07/2023 16:49	08/08/2023 17:04	M
Bromodichloromethane	0.00076 U	mg/Kg	0.0030	0.00076	1	08/07/2023 16:49	08/08/2023 17:04	M
Bromoform	0.00089 U	mg/Kg	0.0030	0.00089	1	08/07/2023 16:49	08/08/2023 17:04	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	1	08/07/2023 16:49	08/08/2023 17:04	M
Carbon Disulfide	0.00055 U	mg/Kg	0.0030	0.00055	1	08/07/2023 16:49	08/08/2023 17:04	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0030	0.00045	1	08/07/2023 16:49	08/08/2023 17:04	M
Chlorobenzene	0.00037 U	mg/Kg	0.0030	0.00037	1	08/07/2023 16:49	08/08/2023 17:04	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 16:49	08/08/2023 17:04	M
Chloroform	0.00049 U	mg/Kg	0.0030	0.00049	1	08/07/2023 16:49	08/08/2023 17:04	M
Chloromethane	0.00075 U	mg/Kg	0.0030	0.00075	1	08/07/2023 16:49	08/08/2023 17:04	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0030	0.00043	1	08/07/2023 16:49	08/08/2023 17:04	M
Dibromomethane	0.00058 U	mg/Kg	0.0030	0.00058	1	08/07/2023 16:49	08/08/2023 17:04	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301031
Sample ID: MAG-8.4

Date Collected: 08/01/2023 13:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00099 U	mg/Kg	0.0030	0.0009 9	1	08/07/2023 16:49	08/08/2023 17:04	M
Ethylbenzene	0.00039 U	mg/Kg	0.0030	0.0003 9	1	08/07/2023 16:49	08/08/2023 17:04	M
Ethylene Dibromide (EDB)	0.00056 U	mg/Kg	0.0030	0.0005 6	1	08/07/2023 16:49	08/08/2023 17:04	M
Hexachlorobutadiene	0.00075 U	mg/Kg	0.0030	0.0007 5	1	08/07/2023 16:49	08/08/2023 17:04	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	1	08/07/2023 16:49	08/08/2023 17:04	M
Isopropylbenzene	0.00069 U	mg/Kg	0.0030	0.0006 9	1	08/07/2023 16:49	08/08/2023 17:04	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0030	0.0004 4	1	08/07/2023 16:49	08/08/2023 17:04	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	1	08/07/2023 16:49	08/08/2023 17:04	M
Naphthalene	0.00068 U	mg/Kg	0.0030	0.0006 8	1	08/07/2023 16:49	08/08/2023 17:04	M
Styrene	0.00032 U	mg/Kg	0.0030	0.0003 2	1	08/07/2023 16:49	08/08/2023 17:04	M
Tetrachloroethylene (PCE)	0.00062 U	mg/Kg	0.0030	0.0006 2	1	08/07/2023 16:49	08/08/2023 17:04	M
Toluene	0.00047 U	mg/Kg	0.0030	0.0004 7	1	08/07/2023 16:49	08/08/2023 17:04	M
Trichloroethene	0.00059 U	mg/Kg	0.0030	0.0005 9	1	08/07/2023 16:49	08/08/2023 17:04	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0030	0.0004 2	1	08/07/2023 16:49	08/08/2023 17:04	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0030	0.0004 5	1	08/07/2023 16:49	08/08/2023 17:04	M
Vinyl Chloride	0.00052 U	mg/Kg	0.0030	0.0005 2	1	08/07/2023 16:49	08/08/2023 17:04	M
Xylene (Total)	0.0011 U	mg/Kg	0.0061	0.0011	1	08/07/2023 16:49	08/08/2023 17:04	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0030	0.0004 6	1	08/07/2023 16:49	08/08/2023 17:04	M
cis-1,3-Dichloropropene	0.00036 U	mg/Kg	0.0030	0.0003 6	1	08/07/2023 16:49	08/08/2023 17:04	M
n-Butylbenzene	0.00071 U	mg/Kg	0.0030	0.0007 1	1	08/07/2023 16:49	08/08/2023 17:04	M
n-propylbenzene	0.00077 U	mg/Kg	0.0030	0.0007 7	1	08/07/2023 16:49	08/08/2023 17:04	M
sec-butylbenzene	0.00082 U	mg/Kg	0.0030	0.0008 2	1	08/07/2023 16:49	08/08/2023 17:04	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301031
Sample ID: MAG-8.4

Date Collected: 08/01/2023 13:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00071 U	mg/Kg	0.0030	0.00071	1	08/07/2023 16:49	08/08/2023 17:04	M
trans-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0030	0.00048	1	08/07/2023 16:49	08/08/2023 17:04	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0030	0.00039	1	08/07/2023 16:49	08/08/2023 17:04	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	49	56	115	69 - 134	M
Toluene-d8 (S)	ug/Kg	49	50	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	49	54	110	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301032	Date Collected: 08/01/2023 13:07			Matrix: Soil				
Sample ID: MAG-8.6	Date Received: 08/01/2023 15:30							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	4.8	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00038 U	mg/Kg	0.0029	0.00038	1	08/07/2023 16:49	08/08/2023 17:31	M
1,1,1-Trichloroethane	0.00051 U	mg/Kg	0.0029	0.00051	1	08/07/2023 16:49	08/08/2023 17:31	M
1,1,2,2-Tetrachloroethane	0.00082 U	mg/Kg	0.0029	0.00082	1	08/07/2023 16:49	08/08/2023 17:31	M
1,1,2-Trichloroethane	0.00031 U	mg/Kg	0.0029	0.00031	1	08/07/2023 16:49	08/08/2023 17:31	M
1,1-Dichloroethane	0.00039 U	mg/Kg	0.0029	0.00039	1	08/07/2023 16:49	08/08/2023 17:31	M
1,1-Dichloroethylene	0.00050 U	mg/Kg	0.0029	0.00050	1	08/07/2023 16:49	08/08/2023 17:31	M
1,1-Dichloropropene	0.00041 U	mg/Kg	0.0029	0.00041	1	08/07/2023 16:49	08/08/2023 17:31	M
1,2,3-Trichlorobenzene	0.00076 U	mg/Kg	0.0029	0.00076	1	08/07/2023 16:49	08/08/2023 17:31	M
1,2,3-Trichloropropane	0.00076 U	mg/Kg	0.0029	0.00076	1	08/07/2023 16:49	08/08/2023 17:31	M
1,2,4-Trichlorobenzene	0.00077 U	mg/Kg	0.0029	0.00077	1	08/07/2023 16:49	08/08/2023 17:31	M
1,2,4-Trimethylbenzene	0.00075 U	mg/Kg	0.0029	0.00075	1	08/07/2023 16:49	08/08/2023 17:31	M
1,2-Dibromo-3-Chloropropane	0.00058 U	mg/Kg	0.0029	0.00058	1	08/07/2023 16:49	08/08/2023 17:31	M
1,2-Dichlorobenzene	0.0010 U	mg/Kg	0.0029	0.0010	1	08/07/2023 16:49	08/08/2023 17:31	M
1,2-Dichloroethane	0.00035 U	mg/Kg	0.0029	0.00035	1	08/07/2023 16:49	08/08/2023 17:31	M
1,2-Dichloropropane	0.00055 U	mg/Kg	0.0029	0.00055	1	08/07/2023 16:49	08/08/2023 17:31	M
1,3,5-Trimethylbenzene	0.00080 U	mg/Kg	0.0029	0.00080	1	08/07/2023 16:49	08/08/2023 17:31	M
1,3-Dichlorobenzene	0.00099 U	mg/Kg	0.0029	0.00099	1	08/07/2023 16:49	08/08/2023 17:31	M
1,3-Dichloropropane	0.00047 U	mg/Kg	0.0029	0.00047	1	08/07/2023 16:49	08/08/2023 17:31	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 17:31	M
2,2-Dichloropropane	0.00032 U	mg/Kg	0.0029	0.00032	1	08/07/2023 16:49	08/08/2023 17:31	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301032
Sample ID: MAG-8.6

Date Collected: 08/01/2023 13:07
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00071 U	mg/Kg	0.0029	0.00071	1	08/07/2023 16:49	08/08/2023 17:31	M
2-Chloroethyl Vinyl Ether	0.0014 U	mg/Kg	0.0029	0.0014	1	08/07/2023 16:49	08/08/2023 17:31	M
2-Chlorotoluene	0.00072 U	mg/Kg	0.0029	0.00072	1	08/07/2023 16:49	08/08/2023 17:31	M
2-Hexanone	0.00055 U	mg/Kg	0.0029	0.00055	1	08/07/2023 16:49	08/08/2023 17:31	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 17:31	M
4-Methyl-2-pentanone (MIBK)	0.00079 U	mg/Kg	0.0029	0.00079	1	08/07/2023 16:49	08/08/2023 17:31	M
Acetone	0.00099 U	mg/Kg	0.0029	0.00099	1	08/07/2023 16:49	08/08/2023 17:31	M
Acrolein (Propenal)	0.0075 U	mg/Kg	0.014	0.0075	1	08/07/2023 16:49	08/08/2023 17:31	M
Acrylonitrile	0.0013 U	mg/Kg	0.0029	0.0013	1	08/07/2023 16:49	08/08/2023 17:31	M
Benzene	0.00029 U	mg/Kg	0.0029	0.00029	1	08/07/2023 16:49	08/08/2023 17:31	M
Bromobenzene	0.0010 U	mg/Kg	0.0029	0.0010	1	08/07/2023 16:49	08/08/2023 17:31	M
Bromochloromethane	0.00061 U	mg/Kg	0.0029	0.00061	1	08/07/2023 16:49	08/08/2023 17:31	M
Bromodichloromethane	0.00072 U	mg/Kg	0.0029	0.00072	1	08/07/2023 16:49	08/08/2023 17:31	M
Bromoform	0.00085 U	mg/Kg	0.0029	0.00085	1	08/07/2023 16:49	08/08/2023 17:31	M
Bromomethane	0.0020 U	mg/Kg	0.0029	0.0020	1	08/07/2023 16:49	08/08/2023 17:31	M
Carbon Disulfide	0.00052 U	mg/Kg	0.0029	0.00052	1	08/07/2023 16:49	08/08/2023 17:31	M
Carbon Tetrachloride	0.00042 U	mg/Kg	0.0029	0.00042	1	08/07/2023 16:49	08/08/2023 17:31	M
Chlorobenzene	0.00036 U	mg/Kg	0.0029	0.00036	1	08/07/2023 16:49	08/08/2023 17:31	M
Chloroethane	0.0011 U	mg/Kg	0.0029	0.0011	1	08/07/2023 16:49	08/08/2023 17:31	M
Chloroform	0.00046 U	mg/Kg	0.0029	0.00046	1	08/07/2023 16:49	08/08/2023 17:31	M
Chloromethane	0.00071 U	mg/Kg	0.0029	0.00071	1	08/07/2023 16:49	08/08/2023 17:31	M
Dibromochloromethane	0.00040 U	mg/Kg	0.0029	0.00040	1	08/07/2023 16:49	08/08/2023 17:31	M
Dibromomethane	0.00055 U	mg/Kg	0.0029	0.00055	1	08/07/2023 16:49	08/08/2023 17:31	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301032
Sample ID: MAG-8.6

Date Collected: 08/01/2023 13:07
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00094 U	mg/Kg	0.0029	0.00094	1	08/07/2023 16:49	08/08/2023 17:31	M
Ethylbenzene	0.00037 U	mg/Kg	0.0029	0.00037	1	08/07/2023 16:49	08/08/2023 17:31	M
Ethylene Dibromide (EDB)	0.00053 U	mg/Kg	0.0029	0.00053	1	08/07/2023 16:49	08/08/2023 17:31	M
Hexachlorobutadiene	0.00071 U	mg/Kg	0.0029	0.00071	1	08/07/2023 16:49	08/08/2023 17:31	M
Iodomethane (Methyl Iodide)	0.0020 U	mg/Kg	0.0029	0.0020	1	08/07/2023 16:49	08/08/2023 17:31	M
Isopropylbenzene	0.00065 U	mg/Kg	0.0029	0.00065	1	08/07/2023 16:49	08/08/2023 17:31	M
Methyl tert-butyl Ether (MTBE)	0.00041 U	mg/Kg	0.0029	0.00041	1	08/07/2023 16:49	08/08/2023 17:31	M
Methylene Chloride	0.0012 U	mg/Kg	0.0029	0.0012	1	08/07/2023 16:49	08/08/2023 17:31	M
Naphthalene	0.00064 U	mg/Kg	0.0029	0.00064	1	08/07/2023 16:49	08/08/2023 17:31	M
Styrene	0.00031 U	mg/Kg	0.0029	0.00031	1	08/07/2023 16:49	08/08/2023 17:31	M
Tetrachloroethylene (PCE)	0.00059 U	mg/Kg	0.0029	0.00059	1	08/07/2023 16:49	08/08/2023 17:31	M
Toluene	0.00044 U	mg/Kg	0.0029	0.00044	1	08/07/2023 16:49	08/08/2023 17:31	M
Trichloroethene	0.00056 U	mg/Kg	0.0029	0.00056	1	08/07/2023 16:49	08/08/2023 17:31	M
Trichlorofluoromethane	0.00039 U	mg/Kg	0.0029	0.00039	1	08/07/2023 16:49	08/08/2023 17:31	M
Vinyl Acetate	0.00042 U	mg/Kg	0.0029	0.00042	1	08/07/2023 16:49	08/08/2023 17:31	M
Vinyl Chloride	0.00049 U	mg/Kg	0.0029	0.00049	1	08/07/2023 16:49	08/08/2023 17:31	M
Xylene (Total)	0.0010 U	mg/Kg	0.0058	0.0010	1	08/07/2023 16:49	08/08/2023 17:31	M
cis-1,2-Dichloroethylene	0.00043 U	mg/Kg	0.0029	0.00043	1	08/07/2023 16:49	08/08/2023 17:31	M
cis-1,3-Dichloropropene	0.00035 U	mg/Kg	0.0029	0.00035	1	08/07/2023 16:49	08/08/2023 17:31	M
n-Butylbenzene	0.00067 U	mg/Kg	0.0029	0.00067	1	08/07/2023 16:49	08/08/2023 17:31	M
n-propylbenzene	0.00073 U	mg/Kg	0.0029	0.00073	1	08/07/2023 16:49	08/08/2023 17:31	M
sec-butylbenzene	0.00078 U	mg/Kg	0.0029	0.00078	1	08/07/2023 16:49	08/08/2023 17:31	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301032
Sample ID: MAG-8.6

Date Collected: 08/01/2023 13:07
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00067 U	mg/Kg	0.0029	0.00067	1	08/07/2023 16:49	08/08/2023 17:31	M
trans-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0029	0.00045	1	08/07/2023 16:49	08/08/2023 17:31	M
trans-1,3-Dichloropropylene	0.00037 U	mg/Kg	0.0029	0.00037	1	08/07/2023 16:49	08/08/2023 17:31	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46	51	112	69 - 134	M
Toluene-d8 (S)	ug/Kg	46	48	106	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	46	53	116	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301033
Sample ID: MAG-9.05

Date Collected: 08/01/2023 11:48
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	6.2	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00043	U mg/Kg	0.0032	0.00043	1	08/07/2023 16:49	08/08/2023 17:58	M
1,1,1-Trichloroethane	0.00057	U mg/Kg	0.0032	0.00057	1	08/07/2023 16:49	08/08/2023 17:58	M
1,1,2,2-Tetrachloroethane	0.00092	U mg/Kg	0.0032	0.00092	1	08/07/2023 16:49	08/08/2023 17:58	M
1,1,2-Trichloroethane	0.00034	U mg/Kg	0.0032	0.00034	1	08/07/2023 16:49	08/08/2023 17:58	M
1,1-Dichloroethane	0.00044	U mg/Kg	0.0032	0.00044	1	08/07/2023 16:49	08/08/2023 17:58	M
1,1-Dichloroethylene	0.00056	U mg/Kg	0.0032	0.00056	1	08/07/2023 16:49	08/08/2023 17:58	M
1,1-Dichloropropene	0.00046	U mg/Kg	0.0032	0.00046	1	08/07/2023 16:49	08/08/2023 17:58	M
1,2,3-Trichlorobenzene	0.00085	U mg/Kg	0.0032	0.00085	1	08/07/2023 16:49	08/08/2023 17:58	M
1,2,3-Trichloropropane	0.00085	U mg/Kg	0.0032	0.00085	1	08/07/2023 16:49	08/08/2023 17:58	M
1,2,4-Trichlorobenzene	0.00086	U mg/Kg	0.0032	0.00086	1	08/07/2023 16:49	08/08/2023 17:58	M
1,2,4-Trimethylbenzene	0.00084	U mg/Kg	0.0032	0.00084	1	08/07/2023 16:49	08/08/2023 17:58	M
1,2-Dibromo-3-Chloropropane	0.00065	U mg/Kg	0.0032	0.00065	1	08/07/2023 16:49	08/08/2023 17:58	M
1,2-Dichlorobenzene	0.0012	U mg/Kg	0.0032	0.0012	1	08/07/2023 16:49	08/08/2023 17:58	M
1,2-Dichloroethane	0.00039	U mg/Kg	0.0032	0.00039	1	08/07/2023 16:49	08/08/2023 17:58	M
1,2-Dichloropropane	0.00061	U mg/Kg	0.0032	0.00061	1	08/07/2023 16:49	08/08/2023 17:58	M
1,3,5-Trimethylbenzene	0.00089	U mg/Kg	0.0032	0.00089	1	08/07/2023 16:49	08/08/2023 17:58	M
1,3-Dichlorobenzene	0.0011	U mg/Kg	0.0032	0.0011	1	08/07/2023 16:49	08/08/2023 17:58	M
1,3-Dichloropropane	0.00053	U mg/Kg	0.0032	0.00053	1	08/07/2023 16:49	08/08/2023 17:58	M
1,4-Dichlorobenzene	0.0012	U mg/Kg	0.0032	0.0012	1	08/07/2023 16:49	08/08/2023 17:58	M
2,2-Dichloropropane	0.00036	U mg/Kg	0.0032	0.00036	1	08/07/2023 16:49	08/08/2023 17:58	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301033
Sample ID: MAG-9.05

Date Collected: 08/01/2023 11:48
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00080 U	mg/Kg	0.0032	0.00080	1	08/07/2023 16:49	08/08/2023 17:58	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0032	0.0016	1	08/07/2023 16:49	08/08/2023 17:58	M
2-Chlorotoluene	0.00081 U	mg/Kg	0.0032	0.00081	1	08/07/2023 16:49	08/08/2023 17:58	M
2-Hexanone	0.00061 U	mg/Kg	0.0032	0.00061	1	08/07/2023 16:49	08/08/2023 17:58	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 16:49	08/08/2023 17:58	M
4-Methyl-2-pentanone (MIBK)	0.00088 U	mg/Kg	0.0032	0.00088	1	08/07/2023 16:49	08/08/2023 17:58	M
Acetone	0.0011 U	mg/Kg	0.0032	0.0011	1	08/07/2023 16:49	08/08/2023 17:58	M
Acrolein (Propenal)	0.0084 U	mg/Kg	0.016	0.0084	1	08/07/2023 16:49	08/08/2023 17:58	M
Acrylonitrile	0.0014 U	mg/Kg	0.0032	0.0014	1	08/07/2023 16:49	08/08/2023 17:58	M
Benzene	0.00032 U	mg/Kg	0.0032	0.00032	1	08/07/2023 16:49	08/08/2023 17:58	M
Bromobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 16:49	08/08/2023 17:58	M
Bromochloromethane	0.00068 U	mg/Kg	0.0032	0.00068	1	08/07/2023 16:49	08/08/2023 17:58	M
Bromodichloromethane	0.00081 U	mg/Kg	0.0032	0.00081	1	08/07/2023 16:49	08/08/2023 17:58	M
Bromoform	0.00095 U	mg/Kg	0.0032	0.00095	1	08/07/2023 16:49	08/08/2023 17:58	M
Bromomethane	0.0023 U	mg/Kg	0.0032	0.0023	1	08/07/2023 16:49	08/08/2023 17:58	M
Carbon Disulfide	0.00058 U	mg/Kg	0.0032	0.00058	1	08/07/2023 16:49	08/08/2023 17:58	M
Carbon Tetrachloride	0.00047 U	mg/Kg	0.0032	0.00047	1	08/07/2023 16:49	08/08/2023 17:58	M
Chlorobenzene	0.00040 U	mg/Kg	0.0032	0.00040	1	08/07/2023 16:49	08/08/2023 17:58	M
Chloroethane	0.0012 U	mg/Kg	0.0032	0.0012	1	08/07/2023 16:49	08/08/2023 17:58	M
Chloroform	0.00052 U	mg/Kg	0.0032	0.00052	1	08/07/2023 16:49	08/08/2023 17:58	M
Chloromethane	0.00080 U	mg/Kg	0.0032	0.00080	1	08/07/2023 16:49	08/08/2023 17:58	M
Dibromochloromethane	0.00045 U	mg/Kg	0.0032	0.00045	1	08/07/2023 16:49	08/08/2023 17:58	M
Dibromomethane	0.00061 U	mg/Kg	0.0032	0.00061	1	08/07/2023 16:49	08/08/2023 17:58	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0032	0.0011	1	08/07/2023 16:49	08/08/2023 17:58	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301033
Sample ID: MAG-9.05

Date Collected: 08/01/2023 11:48
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00041 U	mg/Kg	0.0032	0.00041	1	08/07/2023 16:49	08/08/2023 17:58	M
Ethylene Dibromide (EDB)	0.00059 U	mg/Kg	0.0032	0.00059	1	08/07/2023 16:49	08/08/2023 17:58	M
Hexachlorobutadiene	0.00080 U	mg/Kg	0.0032	0.00080	1	08/07/2023 16:49	08/08/2023 17:58	M
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0032	0.0022	1	08/07/2023 16:49	08/08/2023 17:58	M
Isopropylbenzene	0.00073 U	mg/Kg	0.0032	0.00073	1	08/07/2023 16:49	08/08/2023 17:58	M
Methyl tert-butyl Ether (MTBE)	0.00046 U	mg/Kg	0.0032	0.00046	1	08/07/2023 16:49	08/08/2023 17:58	M
Methylene Chloride	0.0013 U	mg/Kg	0.0032	0.0013	1	08/07/2023 16:49	08/08/2023 17:58	M
Naphthalene	0.00072 U	mg/Kg	0.0032	0.00072	1	08/07/2023 16:49	08/08/2023 17:58	M
Styrene	0.00034 U	mg/Kg	0.0032	0.00034	1	08/07/2023 16:49	08/08/2023 17:58	M
Tetrachloroethylene (PCE)	0.00066 U	mg/Kg	0.0032	0.00066	1	08/07/2023 16:49	08/08/2023 17:58	M
Toluene	0.00050 U	mg/Kg	0.0032	0.00050	1	08/07/2023 16:49	08/08/2023 17:58	M
Trichloroethene	0.00062 U	mg/Kg	0.0032	0.00062	1	08/07/2023 16:49	08/08/2023 17:58	M
Trichlorofluoromethane	0.00044 U	mg/Kg	0.0032	0.00044	1	08/07/2023 16:49	08/08/2023 17:58	M
Vinyl Acetate	0.00047 U	mg/Kg	0.0032	0.00047	1	08/07/2023 16:49	08/08/2023 17:58	M
Vinyl Chloride	0.00055 U	mg/Kg	0.0032	0.00055	1	08/07/2023 16:49	08/08/2023 17:58	M
Xylene (Total)	0.0012 U	mg/Kg	0.0065	0.0012	1	08/07/2023 16:49	08/08/2023 17:58	M
cis-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0032	0.00048	1	08/07/2023 16:49	08/08/2023 17:58	M
cis-1,3-Dichloropropene	0.00039 U	mg/Kg	0.0032	0.00039	1	08/07/2023 16:49	08/08/2023 17:58	M
n-Butylbenzene	0.00075 U	mg/Kg	0.0032	0.00075	1	08/07/2023 16:49	08/08/2023 17:58	M
n-propylbenzene	0.00082 U	mg/Kg	0.0032	0.00082	1	08/07/2023 16:49	08/08/2023 17:58	M
sec-butylbenzene	0.00087 U	mg/Kg	0.0032	0.00087	1	08/07/2023 16:49	08/08/2023 17:58	M
tert-butylbenzene	0.00075 U	mg/Kg	0.0032	0.00075	1	08/07/2023 16:49	08/08/2023 17:58	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301033
Sample ID: MAG-9.05

Date Collected: 08/01/2023 11:48
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00051 U	mg/Kg	0.0032	0.00051	1	08/07/2023 16:49	08/08/2023 17:58	M
trans-1,3-Dichloropropylene	0.00041 U	mg/Kg	0.0032	0.00041	1	08/07/2023 16:49	08/08/2023 17:58	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51	56	112	69 - 134	M
Toluene-d8 (S)	ug/Kg	51	52	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	51	57	114	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301034	Date Collected: 08/01/2023 11:53			Matrix: Soil				
Sample ID: MAG-9.2	Date Received: 08/01/2023 15:30							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.4	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00044 U	mg/Kg	0.0033	0.00044	1	08/07/2023 16:49	08/08/2023 18:25	M
1,1,1-Trichloroethane	0.00058 U	mg/Kg	0.0033	0.00058	1	08/07/2023 16:49	08/08/2023 18:25	M
1,1,2,2-Tetrachloroethane	0.00094 U	mg/Kg	0.0033	0.00094	1	08/07/2023 16:49	08/08/2023 18:25	M
1,1,2-Trichloroethane	0.00035 U	mg/Kg	0.0033	0.00035	1	08/07/2023 16:49	08/08/2023 18:25	M
1,1-Dichloroethane	0.00045 U	mg/Kg	0.0033	0.00045	1	08/07/2023 16:49	08/08/2023 18:25	M
1,1-Dichloroethylene	0.00057 U	mg/Kg	0.0033	0.00057	1	08/07/2023 16:49	08/08/2023 18:25	M
1,1-Dichloropropene	0.00047 U	mg/Kg	0.0033	0.00047	1	08/07/2023 16:49	08/08/2023 18:25	M
1,2,3-Trichlorobenzene	0.00087 U	mg/Kg	0.0033	0.00087	1	08/07/2023 16:49	08/08/2023 18:25	M
1,2,3-Trichloropropane	0.00087 U	mg/Kg	0.0033	0.00087	1	08/07/2023 16:49	08/08/2023 18:25	M
1,2,4-Trichlorobenzene	0.00088 U	mg/Kg	0.0033	0.00088	1	08/07/2023 16:49	08/08/2023 18:25	M
1,2,4-Trimethylbenzene	0.00086 U	mg/Kg	0.0033	0.00086	1	08/07/2023 16:49	08/08/2023 18:25	M
1,2-Dibromo-3-Chloropropane	0.00066 U	mg/Kg	0.0033	0.00066	1	08/07/2023 16:49	08/08/2023 18:25	M
1,2-Dichlorobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 16:49	08/08/2023 18:25	M
1,2-Dichloroethane	0.00040 U	mg/Kg	0.0033	0.00040	1	08/07/2023 16:49	08/08/2023 18:25	M
1,2-Dichloropropane	0.00063 U	mg/Kg	0.0033	0.00063	1	08/07/2023 16:49	08/08/2023 18:25	M
1,3,5-Trimethylbenzene	0.00091 U	mg/Kg	0.0033	0.00091	1	08/07/2023 16:49	08/08/2023 18:25	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0033	0.0011	1	08/07/2023 16:49	08/08/2023 18:25	M
1,3-Dichloropropane	0.00054 U	mg/Kg	0.0033	0.00054	1	08/07/2023 16:49	08/08/2023 18:25	M
1,4-Dichlorobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 16:49	08/08/2023 18:25	M
2,2-Dichloropropane	0.00036 U	mg/Kg	0.0033	0.00036	1	08/07/2023 16:49	08/08/2023 18:25	M





FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301034
Sample ID: MAG-9.2

Date Collected: 08/01/2023 11:53
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00081 U	mg/Kg	0.0033	0.00081	1	08/07/2023 16:49	08/08/2023 18:25	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0033	0.0016	1	08/07/2023 16:49	08/08/2023 18:25	M
2-Chlorotoluene	0.00083 U	mg/Kg	0.0033	0.00083	1	08/07/2023 16:49	08/08/2023 18:25	M
2-Hexanone	0.00063 U	mg/Kg	0.0033	0.00063	1	08/07/2023 16:49	08/08/2023 18:25	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 16:49	08/08/2023 18:25	M
4-Methyl-2-pentanone (MIBK)	0.00090 U	mg/Kg	0.0033	0.00090	1	08/07/2023 16:49	08/08/2023 18:25	M
Acetone	0.0011 U	mg/Kg	0.0033	0.0011	1	08/07/2023 16:49	08/08/2023 18:25	M
Acrolein (Propenal)	0.0086 U	mg/Kg	0.017	0.0086	1	08/07/2023 16:49	08/08/2023 18:25	M
Acrylonitrile	0.0014 U	mg/Kg	0.0033	0.0014	1	08/07/2023 16:49	08/08/2023 18:25	M
Benzene	0.00033 U	mg/Kg	0.0033	0.00033	1	08/07/2023 16:49	08/08/2023 18:25	M
Bromobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 16:49	08/08/2023 18:25	M
Bromochloromethane	0.00069 U	mg/Kg	0.0033	0.00069	1	08/07/2023 16:49	08/08/2023 18:25	M
Bromodichloromethane	0.00083 U	mg/Kg	0.0033	0.00083	1	08/07/2023 16:49	08/08/2023 18:25	M
Bromoform	0.00097 U	mg/Kg	0.0033	0.00097	1	08/07/2023 16:49	08/08/2023 18:25	M
Bromomethane	0.0023 U	mg/Kg	0.0033	0.0023	1	08/07/2023 16:49	08/08/2023 18:25	M
Carbon Disulfide	0.00059 U	mg/Kg	0.0033	0.00059	1	08/07/2023 16:49	08/08/2023 18:25	M
Carbon Tetrachloride	0.00048 U	mg/Kg	0.0033	0.00048	1	08/07/2023 16:49	08/08/2023 18:25	M
Chlorobenzene	0.00041 U	mg/Kg	0.0033	0.00041	1	08/07/2023 16:49	08/08/2023 18:25	M
Chloroethane	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 16:49	08/08/2023 18:25	M
Chloroform	0.00053 U	mg/Kg	0.0033	0.00053	1	08/07/2023 16:49	08/08/2023 18:25	M
Chloromethane	0.00081 U	mg/Kg	0.0033	0.00081	1	08/07/2023 16:49	08/08/2023 18:25	M
Dibromochloromethane	0.00046 U	mg/Kg	0.0033	0.00046	1	08/07/2023 16:49	08/08/2023 18:25	M
Dibromomethane	0.00063 U	mg/Kg	0.0033	0.00063	1	08/07/2023 16:49	08/08/2023 18:25	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0033	0.0011	1	08/07/2023 16:49	08/08/2023 18:25	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301034
Sample ID: MAG-9.2

Date Collected: 08/01/2023 11:53
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00042 U	mg/Kg	0.0033	0.00042	1	08/07/2023 16:49	08/08/2023 18:25	M
Ethylene Dibromide (EDB)	0.00061 U	mg/Kg	0.0033	0.00061	1	08/07/2023 16:49	08/08/2023 18:25	M
Hexachlorobutadiene	0.00081 U	mg/Kg	0.0033	0.00081	1	08/07/2023 16:49	08/08/2023 18:25	M
Iodomethane (Methyl Iodide)	0.0023 U	mg/Kg	0.0033	0.0023	1	08/07/2023 16:49	08/08/2023 18:25	M
Isopropylbenzene	0.00074 U	mg/Kg	0.0033	0.00074	1	08/07/2023 16:49	08/08/2023 18:25	M
Methyl tert-butyl Ether (MTBE)	0.00047 U	mg/Kg	0.0033	0.00047	1	08/07/2023 16:49	08/08/2023 18:25	M
Methylene Chloride	0.0013 U	mg/Kg	0.0033	0.0013	1	08/07/2023 16:49	08/08/2023 18:25	M
Naphthalene	0.00074 U	mg/Kg	0.0033	0.00074	1	08/07/2023 16:49	08/08/2023 18:25	M
Styrene	0.00035 U	mg/Kg	0.0033	0.00035	1	08/07/2023 16:49	08/08/2023 18:25	M
Tetrachloroethylene (PCE)	0.00067 U	mg/Kg	0.0033	0.00067	1	08/07/2023 16:49	08/08/2023 18:25	M
Toluene	0.00051 U	mg/Kg	0.0033	0.00051	1	08/07/2023 16:49	08/08/2023 18:25	M
Trichloroethene	0.00064 U	mg/Kg	0.0033	0.00064	1	08/07/2023 16:49	08/08/2023 18:25	M
Trichlorofluoromethane	0.00045 U	mg/Kg	0.0033	0.00045	1	08/07/2023 16:49	08/08/2023 18:25	M
Vinyl Acetate	0.00048 U	mg/Kg	0.0033	0.00048	1	08/07/2023 16:49	08/08/2023 18:25	M
Vinyl Chloride	0.00056 U	mg/Kg	0.0033	0.00056	1	08/07/2023 16:49	08/08/2023 18:25	M
Xylene (Total)	0.0012 U	mg/Kg	0.0066	0.0012	1	08/07/2023 16:49	08/08/2023 18:25	M
cis-1,2-Dichloroethylene	0.00050 U	mg/Kg	0.0033	0.00050	1	08/07/2023 16:49	08/08/2023 18:25	M
cis-1,3-Dichloropropene	0.00040 U	mg/Kg	0.0033	0.00040	1	08/07/2023 16:49	08/08/2023 18:25	M
n-Butylbenzene	0.00077 U	mg/Kg	0.0033	0.00077	1	08/07/2023 16:49	08/08/2023 18:25	M
n-propylbenzene	0.00084 U	mg/Kg	0.0033	0.00084	1	08/07/2023 16:49	08/08/2023 18:25	M
sec-butylbenzene	0.00089 U	mg/Kg	0.0033	0.00089	1	08/07/2023 16:49	08/08/2023 18:25	M
tert-butylbenzene	0.00077 U	mg/Kg	0.0033	0.00077	1	08/07/2023 16:49	08/08/2023 18:25	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301034	Date Collected: 08/01/2023 11:53	Matrix: Soil
Sample ID: MAG-9.2	Date Received: 08/01/2023 15:30	

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00052 U	mg/Kg	0.0033	0.00052	1	08/07/2023 16:49	08/08/2023 18:25	M
trans-1,3-Dichloropropylene	0.00042 U	mg/Kg	0.0033	0.00042	1	08/07/2023 16:49	08/08/2023 18:25	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	53	60	114	69 - 134	M
Toluene-d8 (S)	ug/Kg	53	57	107	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	53	59	111	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301035
Sample ID: MAG-9.4

Date Collected: 08/01/2023 12:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.7	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00044	U mg/Kg	0.0033	0.00044	1	08/07/2023 16:49	08/08/2023 18:52	M
1,1,1-Trichloroethane	0.00059	U mg/Kg	0.0033	0.00059	1	08/07/2023 16:49	08/08/2023 18:52	M
1,1,2,2-Tetrachloroethane	0.00094	U mg/Kg	0.0033	0.00094	1	08/07/2023 16:49	08/08/2023 18:52	M
1,1,2-Trichloroethane	0.00035	U mg/Kg	0.0033	0.00035	1	08/07/2023 16:49	08/08/2023 18:52	M
1,1-Dichloroethane	0.00045	U mg/Kg	0.0033	0.00045	1	08/07/2023 16:49	08/08/2023 18:52	M
1,1-Dichloroethylene	0.00058	U mg/Kg	0.0033	0.00058	1	08/07/2023 16:49	08/08/2023 18:52	M
1,1-Dichloropropene	0.00048	U mg/Kg	0.0033	0.00048	1	08/07/2023 16:49	08/08/2023 18:52	M
1,2,3-Trichlorobenzene	0.00087	U mg/Kg	0.0033	0.00087	1	08/07/2023 16:49	08/08/2023 18:52	M
1,2,3-Trichloropropane	0.00087	U mg/Kg	0.0033	0.00087	1	08/07/2023 16:49	08/08/2023 18:52	M
1,2,4-Trichlorobenzene	0.00089	U mg/Kg	0.0033	0.00089	1	08/07/2023 16:49	08/08/2023 18:52	M
1,2,4-Trimethylbenzene	0.00086	U mg/Kg	0.0033	0.00086	1	08/07/2023 16:49	08/08/2023 18:52	M
1,2-Dibromo-3-Chloropropane	0.00066	U mg/Kg	0.0033	0.00066	1	08/07/2023 16:49	08/08/2023 18:52	M
1,2-Dichlorobenzene	0.0012	U mg/Kg	0.0033	0.0012	1	08/07/2023 16:49	08/08/2023 18:52	M
1,2-Dichloroethane	0.00040	U mg/Kg	0.0033	0.00040	1	08/07/2023 16:49	08/08/2023 18:52	M
1,2-Dichloropropane	0.00063	U mg/Kg	0.0033	0.00063	1	08/07/2023 16:49	08/08/2023 18:52	M
1,3,5-Trimethylbenzene	0.00092	U mg/Kg	0.0033	0.00092	1	08/07/2023 16:49	08/08/2023 18:52	M
1,3-Dichlorobenzene	0.0011	U mg/Kg	0.0033	0.0011	1	08/07/2023 16:49	08/08/2023 18:52	M
1,3-Dichloropropane	0.00054	U mg/Kg	0.0033	0.00054	1	08/07/2023 16:49	08/08/2023 18:52	M
1,4-Dichlorobenzene	0.0012	U mg/Kg	0.0033	0.0012	1	08/07/2023 16:49	08/08/2023 18:52	M
2,2-Dichloropropane	0.00037	U mg/Kg	0.0033	0.00037	1	08/07/2023 16:49	08/08/2023 18:52	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301035
Sample ID: MAG-9.4

Date Collected: 08/01/2023 12:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00082 U	mg/Kg	0.0033	0.00082	1	08/07/2023 16:49	08/08/2023 18:52	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0033	0.0016	1	08/07/2023 16:49	08/08/2023 18:52	M
2-Chlorotoluene	0.00083 U	mg/Kg	0.0033	0.00083	1	08/07/2023 16:49	08/08/2023 18:52	M
2-Hexanone	0.00063 U	mg/Kg	0.0033	0.00063	1	08/07/2023 16:49	08/08/2023 18:52	M
4-Chlorotoluene	0.0013 U	mg/Kg	0.0033	0.0013	1	08/07/2023 16:49	08/08/2023 18:52	M
4-Methyl-2-pentanone (MIBK)	0.00091 U	mg/Kg	0.0033	0.00091	1	08/07/2023 16:49	08/08/2023 18:52	M
Acetone	0.0011 U	mg/Kg	0.0033	0.0011	1	08/07/2023 16:49	08/08/2023 18:52	M
Acrolein (Propenal)	0.0086 U	mg/Kg	0.017	0.0086	1	08/07/2023 16:49	08/08/2023 18:52	M
Acrylonitrile	0.0014 U	mg/Kg	0.0033	0.0014	1	08/07/2023 16:49	08/08/2023 18:52	M
Benzene	0.00033 U	mg/Kg	0.0033	0.00033	1	08/07/2023 16:49	08/08/2023 18:52	M
Bromobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 16:49	08/08/2023 18:52	M
Bromochloromethane	0.00070 U	mg/Kg	0.0033	0.00070	1	08/07/2023 16:49	08/08/2023 18:52	M
Bromodichloromethane	0.00083 U	mg/Kg	0.0033	0.00083	1	08/07/2023 16:49	08/08/2023 18:52	M
Bromoform	0.00097 U	mg/Kg	0.0033	0.00097	1	08/07/2023 16:49	08/08/2023 18:52	M
Bromomethane	0.0023 U	mg/Kg	0.0033	0.0023	1	08/07/2023 16:49	08/08/2023 18:52	M
Carbon Disulfide	0.00060 U	mg/Kg	0.0033	0.00060	1	08/07/2023 16:49	08/08/2023 18:52	M
Carbon Tetrachloride	0.00049 U	mg/Kg	0.0033	0.00049	1	08/07/2023 16:49	08/08/2023 18:52	M
Chlorobenzene	0.00041 U	mg/Kg	0.0033	0.00041	1	08/07/2023 16:49	08/08/2023 18:52	M
Chloroethane	0.0013 U	mg/Kg	0.0033	0.0013	1	08/07/2023 16:49	08/08/2023 18:52	M
Chloroform	0.00053 U	mg/Kg	0.0033	0.00053	1	08/07/2023 16:49	08/08/2023 18:52	M
Chloromethane	0.00082 U	mg/Kg	0.0033	0.00082	1	08/07/2023 16:49	08/08/2023 18:52	M
Dibromochloromethane	0.00046 U	mg/Kg	0.0033	0.00046	1	08/07/2023 16:49	08/08/2023 18:52	M
Dibromomethane	0.00063 U	mg/Kg	0.0033	0.00063	1	08/07/2023 16:49	08/08/2023 18:52	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0033	0.0011	1	08/07/2023 16:49	08/08/2023 18:52	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301035
Sample ID: MAG-9.4

Date Collected: 08/01/2023 12:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00042 U	mg/Kg	0.0033	0.00042	1	08/07/2023 16:49	08/08/2023 18:52	M
Ethylene Dibromide (EDB)	0.00061 U	mg/Kg	0.0033	0.00061	1	08/07/2023 16:49	08/08/2023 18:52	M
Hexachlorobutadiene	0.00082 U	mg/Kg	0.0033	0.00082	1	08/07/2023 16:49	08/08/2023 18:52	M
Iodomethane (Methyl Iodide)	0.0023 U	mg/Kg	0.0033	0.0023	1	08/07/2023 16:49	08/08/2023 18:52	M
Isopropylbenzene	0.00075 U	mg/Kg	0.0033	0.00075	1	08/07/2023 16:49	08/08/2023 18:52	M
Methyl tert-butyl Ether (MTBE)	0.00048 U	mg/Kg	0.0033	0.00048	1	08/07/2023 16:49	08/08/2023 18:52	M
Methylene Chloride	0.0013 U	mg/Kg	0.0033	0.0013	1	08/07/2023 16:49	08/08/2023 18:52	M
Naphthalene	0.00074 U	mg/Kg	0.0033	0.00074	1	08/07/2023 16:49	08/08/2023 18:52	M
Styrene	0.00035 U	mg/Kg	0.0033	0.00035	1	08/07/2023 16:49	08/08/2023 18:52	M
Tetrachloroethylene (PCE)	0.00068 U	mg/Kg	0.0033	0.00068	1	08/07/2023 16:49	08/08/2023 18:52	M
Toluene	0.00051 U	mg/Kg	0.0033	0.00051	1	08/07/2023 16:49	08/08/2023 18:52	M
Trichloroethene	0.00064 U	mg/Kg	0.0033	0.00064	1	08/07/2023 16:49	08/08/2023 18:52	M
Trichlorofluoromethane	0.00045 U	mg/Kg	0.0033	0.00045	1	08/07/2023 16:49	08/08/2023 18:52	M
Vinyl Acetate	0.00049 U	mg/Kg	0.0033	0.00049	1	08/07/2023 16:49	08/08/2023 18:52	M
Vinyl Chloride	0.00056 U	mg/Kg	0.0033	0.00056	1	08/07/2023 16:49	08/08/2023 18:52	M
Xylene (Total)	0.0012 U	mg/Kg	0.0066	0.0012	1	08/07/2023 16:49	08/08/2023 18:52	M
cis-1,2-Dichloroethylene	0.00050 U	mg/Kg	0.0033	0.00050	1	08/07/2023 16:49	08/08/2023 18:52	M
cis-1,3-Dichloropropene	0.00040 U	mg/Kg	0.0033	0.00040	1	08/07/2023 16:49	08/08/2023 18:52	M
n-Butylbenzene	0.00077 U	mg/Kg	0.0033	0.00077	1	08/07/2023 16:49	08/08/2023 18:52	M
n-propylbenzene	0.00084 U	mg/Kg	0.0033	0.00084	1	08/07/2023 16:49	08/08/2023 18:52	M
sec-butylbenzene	0.00090 U	mg/Kg	0.0033	0.00090	1	08/07/2023 16:49	08/08/2023 18:52	M
tert-butylbenzene	0.00077 U	mg/Kg	0.0033	0.00077	1	08/07/2023 16:49	08/08/2023 18:52	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301035
Sample ID: MAG-9.4

Date Collected: 08/01/2023 12:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00052 U	mg/Kg	0.0033	0.00052	1	08/07/2023 16:49	08/08/2023 18:52	M
trans-1,3-Dichloropropylene	0.00042 U	mg/Kg	0.0033	0.00042	1	08/07/2023 16:49	08/08/2023 18:52	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	53	59	110	69 - 134	M
Toluene-d8 (S)	ug/Kg	53	55	103	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	53	61	114	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301036
Sample ID: MAG-9.6

Date Collected: 08/01/2023 12:07
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	5.0	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0031	0.00041	1	08/09/2023 06:30	08/09/2023 11:56	M
1,1,1-Trichloroethane	0.00054 U	mg/Kg	0.0031	0.00054	1	08/09/2023 06:30	08/09/2023 11:56	M
1,1,2,2-Tetrachloroethane	0.00087 U	mg/Kg	0.0031	0.00087	1	08/09/2023 06:30	08/09/2023 11:56	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 06:30	08/09/2023 11:56	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/09/2023 06:30	08/09/2023 11:56	M
1,1-Dichloroethylene	0.00053 U	mg/Kg	0.0031	0.00053	1	08/09/2023 06:30	08/09/2023 11:56	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0031	0.00044	1	08/09/2023 06:30	08/09/2023 11:56	M
1,2,3-Trichlorobenzene	0.00081 U	mg/Kg	0.0031	0.00081	1	08/09/2023 06:30	08/09/2023 11:56	M
1,2,3-Trichloropropane	0.00081 U	mg/Kg	0.0031	0.00081	1	08/09/2023 06:30	08/09/2023 11:56	M
1,2,4-Trichlorobenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/09/2023 06:30	08/09/2023 11:56	M
1,2,4-Trimethylbenzene	0.00080 U	mg/Kg	0.0031	0.00080	1	08/09/2023 06:30	08/09/2023 11:56	M
1,2-Dibromo-3-Chloropropane	0.00062 U	mg/Kg	0.0031	0.00062	1	08/09/2023 06:30	08/09/2023 11:56	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 11:56	M
1,2-Dichloroethane	0.00037 U	mg/Kg	0.0031	0.00037	1	08/09/2023 06:30	08/09/2023 11:56	M
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/09/2023 06:30	08/09/2023 11:56	M
1,3,5-Trimethylbenzene	0.00085 U	mg/Kg	0.0031	0.00085	1	08/09/2023 06:30	08/09/2023 11:56	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 11:56	M
1,3-Dichloropropane	0.00050 U	mg/Kg	0.0031	0.00050	1	08/09/2023 06:30	08/09/2023 11:56	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 11:56	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/09/2023 06:30	08/09/2023 11:56	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301036
Sample ID: MAG-9.6

Date Collected: 08/01/2023 12:07
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00076 U	mg/Kg	0.0031	0.00076	1	08/09/2023 06:30	08/09/2023 11:56	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0031	0.0015	1	08/09/2023 06:30	08/09/2023 11:56	M
2-Chlorotoluene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 06:30	08/09/2023 11:56	M
2-Hexanone	0.00058 U	mg/Kg	0.0031	0.00058	1	08/09/2023 06:30	08/09/2023 11:56	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 06:30	08/09/2023 11:56	M
4-Methyl-2-pentanone (MIBK)	0.00084 U	mg/Kg	0.0031	0.00084	1	08/09/2023 06:30	08/09/2023 11:56	M
Acetone	0.23	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 11:56	M
Acrolein (Propenal)	0.0080 U	mg/Kg	0.015	0.0080	1	08/09/2023 06:30	08/09/2023 11:56	M
Acrylonitrile	0.0013 U	mg/Kg	0.0031	0.0013	1	08/09/2023 06:30	08/09/2023 11:56	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/09/2023 06:30	08/09/2023 11:56	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 11:56	M
Bromochloromethane	0.00065 U	mg/Kg	0.0031	0.00065	1	08/09/2023 06:30	08/09/2023 11:56	M
Bromodichloromethane	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 06:30	08/09/2023 11:56	M
Bromoform	0.00090 U	mg/Kg	0.0031	0.00090	1	08/09/2023 06:30	08/09/2023 11:56	M
Bromomethane	0.0021 U	mg/Kg	0.0031	0.0021	1	08/09/2023 06:30	08/09/2023 11:56	M
Carbon Disulfide	0.00055 U	mg/Kg	0.0031	0.00055	1	08/09/2023 06:30	08/09/2023 11:56	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 06:30	08/09/2023 11:56	M
Chlorobenzene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/09/2023 06:30	08/09/2023 11:56	M
Chloroethane	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 06:30	08/09/2023 11:56	M
Chloroform	0.00049 U	mg/Kg	0.0031	0.00049	1	08/09/2023 06:30	08/09/2023 11:56	M
Chloromethane	0.00076 U	mg/Kg	0.0031	0.00076	1	08/09/2023 06:30	08/09/2023 11:56	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/09/2023 06:30	08/09/2023 11:56	M
Dibromomethane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/09/2023 06:30	08/09/2023 11:56	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/09/2023 06:30	08/09/2023 11:56	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301036
Sample ID: MAG-9.6

Date Collected: 08/01/2023 12:07
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/09/2023 06:30	08/09/2023 11:56	M
Ethylene Dibromide (EDB)	0.00056 U	mg/Kg	0.0031	0.00056	1	08/09/2023 06:30	08/09/2023 11:56	M
Hexachlorobutadiene	0.00076 U	mg/Kg	0.0031	0.00076	1	08/09/2023 06:30	08/09/2023 11:56	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0031	0.0021	1	08/09/2023 06:30	08/09/2023 11:56	M
Isopropylbenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/09/2023 06:30	08/09/2023 11:56	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0031	0.00044	1	08/09/2023 06:30	08/09/2023 11:56	M
Methylene Chloride	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 06:30	08/09/2023 11:56	M
Naphthalene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/09/2023 06:30	08/09/2023 11:56	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 06:30	08/09/2023 11:56	M
Tetrachloroethylene (PCE)	0.00063 U	mg/Kg	0.0031	0.00063	1	08/09/2023 06:30	08/09/2023 11:56	M
Toluene	0.00047 U	mg/Kg	0.0031	0.00047	1	08/09/2023 06:30	08/09/2023 11:56	M
Trichloroethene	0.00060 U	mg/Kg	0.0031	0.00060	1	08/09/2023 06:30	08/09/2023 11:56	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/09/2023 06:30	08/09/2023 11:56	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 06:30	08/09/2023 11:56	M
Vinyl Chloride	0.00052 U	mg/Kg	0.0031	0.00052	1	08/09/2023 06:30	08/09/2023 11:56	M
Xylene (Total)	0.0011 U	mg/Kg	0.0062	0.0011	1	08/09/2023 06:30	08/09/2023 11:56	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0031	0.00046	1	08/09/2023 06:30	08/09/2023 11:56	M
cis-1,3-Dichloropropene	0.00037 U	mg/Kg	0.0031	0.00037	1	08/09/2023 06:30	08/09/2023 11:56	M
n-Butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/09/2023 06:30	08/09/2023 11:56	M
n-propylbenzene	0.00078 U	mg/Kg	0.0031	0.00078	1	08/09/2023 06:30	08/09/2023 11:56	M
sec-butylbenzene	0.00083 U	mg/Kg	0.0031	0.00083	1	08/09/2023 06:30	08/09/2023 11:56	M
tert-butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/09/2023 06:30	08/09/2023 11:56	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301036
Sample ID: MAG-9.6

Date Collected: 08/01/2023 12:07
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/09/2023 06:30	08/09/2023 11:56	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/09/2023 06:30	08/09/2023 11:56	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	49	54	110	69 - 134	M
Toluene-d8 (S)	ug/Kg	49	52	108	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	49	55	114	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301037
Sample ID: MAG-10.05

Date Collected: 08/01/2023 10:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	2.8	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0031	0.00041	1	08/09/2023 06:30	08/09/2023 12:23	M
1,1,1-Trichloroethane	0.00054 U	mg/Kg	0.0031	0.00054	1	08/09/2023 06:30	08/09/2023 12:23	M
1,1,2,2-Tetrachloroethane	0.00087 U	mg/Kg	0.0031	0.00087	1	08/09/2023 06:30	08/09/2023 12:23	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 06:30	08/09/2023 12:23	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/09/2023 06:30	08/09/2023 12:23	M
1,1-Dichloroethylene	0.00053 U	mg/Kg	0.0031	0.00053	1	08/09/2023 06:30	08/09/2023 12:23	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0031	0.00044	1	08/09/2023 06:30	08/09/2023 12:23	M
1,2,3-Trichlorobenzene	0.00080 U	mg/Kg	0.0031	0.00080	1	08/09/2023 06:30	08/09/2023 12:23	M
1,2,3-Trichloropropane	0.00080 U	mg/Kg	0.0031	0.00080	1	08/09/2023 06:30	08/09/2023 12:23	M
1,2,4-Trichlorobenzene	0.00081 U	mg/Kg	0.0031	0.00081	1	08/09/2023 06:30	08/09/2023 12:23	M
1,2,4-Trimethylbenzene	0.00079 U	mg/Kg	0.0031	0.00079	1	08/09/2023 06:30	08/09/2023 12:23	M
1,2-Dibromo-3-Chloropropane	0.00061 U	mg/Kg	0.0031	0.00061	1	08/09/2023 06:30	08/09/2023 12:23	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 12:23	M
1,2-Dichloroethane	0.00037 U	mg/Kg	0.0031	0.00037	1	08/09/2023 06:30	08/09/2023 12:23	M
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/09/2023 06:30	08/09/2023 12:23	M
1,3,5-Trimethylbenzene	0.00085 U	mg/Kg	0.0031	0.00085	1	08/09/2023 06:30	08/09/2023 12:23	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0031	0.0010	1	08/09/2023 06:30	08/09/2023 12:23	M
1,3-Dichloropropane	0.00050 U	mg/Kg	0.0031	0.00050	1	08/09/2023 06:30	08/09/2023 12:23	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 12:23	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/09/2023 06:30	08/09/2023 12:23	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301037
Sample ID: MAG-10.05

Date Collected: 08/01/2023 10:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00075 U	mg/Kg	0.0031	0.00075	1	08/09/2023 06:30	08/09/2023 12:23	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0031	0.0015	1	08/09/2023 06:30	08/09/2023 12:23	M
2-Chlorotoluene	0.00076 U	mg/Kg	0.0031	0.00076	1	08/09/2023 06:30	08/09/2023 12:23	M
2-Hexanone	0.00058 U	mg/Kg	0.0031	0.00058	1	08/09/2023 06:30	08/09/2023 12:23	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 06:30	08/09/2023 12:23	M
4-Methyl-2-pentanone (MIBK)	0.00084 U	mg/Kg	0.0031	0.00084	1	08/09/2023 06:30	08/09/2023 12:23	M
Acetone	0.11	mg/Kg	0.0031	0.0010	1	08/09/2023 06:30	08/09/2023 12:23	M
Acrolein (Propenal)	0.0079 U	mg/Kg	0.015	0.0079	1	08/09/2023 06:30	08/09/2023 12:23	M
Acrylonitrile	0.0013 U	mg/Kg	0.0031	0.0013	1	08/09/2023 06:30	08/09/2023 12:23	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/09/2023 06:30	08/09/2023 12:23	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 12:23	M
Bromochloromethane	0.00064 U	mg/Kg	0.0031	0.00064	1	08/09/2023 06:30	08/09/2023 12:23	M
Bromodichloromethane	0.00076 U	mg/Kg	0.0031	0.00076	1	08/09/2023 06:30	08/09/2023 12:23	M
Bromoform	0.00090 U	mg/Kg	0.0031	0.00090	1	08/09/2023 06:30	08/09/2023 12:23	M
Bromomethane	0.0021 U	mg/Kg	0.0031	0.0021	1	08/09/2023 06:30	08/09/2023 12:23	M
Carbon Disulfide	0.00055 U	mg/Kg	0.0031	0.00055	1	08/09/2023 06:30	08/09/2023 12:23	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 06:30	08/09/2023 12:23	M
Chlorobenzene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/09/2023 06:30	08/09/2023 12:23	M
Chloroethane	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 06:30	08/09/2023 12:23	M
Chloroform	0.00049 U	mg/Kg	0.0031	0.00049	1	08/09/2023 06:30	08/09/2023 12:23	M
Chloromethane	0.00075 U	mg/Kg	0.0031	0.00075	1	08/09/2023 06:30	08/09/2023 12:23	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/09/2023 06:30	08/09/2023 12:23	M
Dibromomethane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/09/2023 06:30	08/09/2023 12:23	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/09/2023 06:30	08/09/2023 12:23	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301037
Sample ID: MAG-10.05

Date Collected: 08/01/2023 10:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/09/2023 06:30	08/09/2023 12:23	M
Ethylene Dibromide (EDB)	0.00056 U	mg/Kg	0.0031	0.00056	1	08/09/2023 06:30	08/09/2023 12:23	M
Hexachlorobutadiene	0.00075 U	mg/Kg	0.0031	0.00075	1	08/09/2023 06:30	08/09/2023 12:23	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0031	0.0021	1	08/09/2023 06:30	08/09/2023 12:23	M
Isopropylbenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/09/2023 06:30	08/09/2023 12:23	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0031	0.00044	1	08/09/2023 06:30	08/09/2023 12:23	M
Methylene Chloride	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 06:30	08/09/2023 12:23	M
Naphthalene	0.00068 U	mg/Kg	0.0031	0.00068	1	08/09/2023 06:30	08/09/2023 12:23	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 06:30	08/09/2023 12:23	M
Tetrachloroethylene (PCE)	0.00062 U	mg/Kg	0.0031	0.00062	1	08/09/2023 06:30	08/09/2023 12:23	M
Toluene	0.00047 U	mg/Kg	0.0031	0.00047	1	08/09/2023 06:30	08/09/2023 12:23	M
Trichloroethene	0.00059 U	mg/Kg	0.0031	0.00059	1	08/09/2023 06:30	08/09/2023 12:23	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/09/2023 06:30	08/09/2023 12:23	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 06:30	08/09/2023 12:23	M
Vinyl Chloride	0.00052 U	mg/Kg	0.0031	0.00052	1	08/09/2023 06:30	08/09/2023 12:23	M
Xylene (Total)	0.0011 U	mg/Kg	0.0061	0.0011	1	08/09/2023 06:30	08/09/2023 12:23	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0031	0.00046	1	08/09/2023 06:30	08/09/2023 12:23	M
cis-1,3-Dichloropropene	0.00037 U	mg/Kg	0.0031	0.00037	1	08/09/2023 06:30	08/09/2023 12:23	M
n-Butylbenzene	0.00071 U	mg/Kg	0.0031	0.00071	1	08/09/2023 06:30	08/09/2023 12:23	M
n-propylbenzene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 06:30	08/09/2023 12:23	M
sec-butylbenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/09/2023 06:30	08/09/2023 12:23	M
tert-butylbenzene	0.00071 U	mg/Kg	0.0031	0.00071	1	08/09/2023 06:30	08/09/2023 12:23	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301037
Sample ID: MAG-10.05

Date Collected: 08/01/2023 10:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/09/2023 06:30	08/09/2023 12:23	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/09/2023 06:30	08/09/2023 12:23	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	56	113	69 - 134	M
Toluene-d8 (S)	ug/Kg	50	52	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	50	56	112	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301038
Sample ID: MAG-10.2

Date Collected: 08/01/2023 10:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.9	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00042 U	mg/Kg	0.0032	0.00042	1	08/09/2023 06:30	08/09/2023 12:50	M
1,1,1-Trichloroethane	0.00056 U	mg/Kg	0.0032	0.00056	1	08/09/2023 06:30	08/09/2023 12:50	M
1,1,2,2-Tetrachloroethane	0.00090 U	mg/Kg	0.0032	0.00090	1	08/09/2023 06:30	08/09/2023 12:50	M
1,1,2-Trichloroethane	0.00034 U	mg/Kg	0.0032	0.00034	1	08/09/2023 06:30	08/09/2023 12:50	M
1,1-Dichloroethane	0.00043 U	mg/Kg	0.0032	0.00043	1	08/09/2023 06:30	08/09/2023 12:50	M
1,1-Dichloroethylene	0.00055 U	mg/Kg	0.0032	0.00055	1	08/09/2023 06:30	08/09/2023 12:50	M
1,1-Dichloropropene	0.00046 U	mg/Kg	0.0032	0.00046	1	08/09/2023 06:30	08/09/2023 12:50	M
1,2,3-Trichlorobenzene	0.00084 U	mg/Kg	0.0032	0.00084	1	08/09/2023 06:30	08/09/2023 12:50	M
1,2,3-Trichloropropane	0.00083 U	mg/Kg	0.0032	0.00083	1	08/09/2023 06:30	08/09/2023 12:50	M
1,2,4-Trichlorobenzene	0.00085 U	mg/Kg	0.0032	0.00085	1	08/09/2023 06:30	08/09/2023 12:50	M
1,2,4-Trimethylbenzene	0.00083 U	mg/Kg	0.0032	0.00083	1	08/09/2023 06:30	08/09/2023 12:50	M
1,2-Dibromo-3-Chloropropane	0.00064 U	mg/Kg	0.0032	0.00064	1	08/09/2023 06:30	08/09/2023 12:50	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0032	0.0011	1	08/09/2023 06:30	08/09/2023 12:50	M
1,2-Dichloroethane	0.00038 U	mg/Kg	0.0032	0.00038	1	08/09/2023 06:30	08/09/2023 12:50	M
1,2-Dichloropropane	0.00060 U	mg/Kg	0.0032	0.00060	1	08/09/2023 06:30	08/09/2023 12:50	M
1,3,5-Trimethylbenzene	0.00088 U	mg/Kg	0.0032	0.00088	1	08/09/2023 06:30	08/09/2023 12:50	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0032	0.0011	1	08/09/2023 06:30	08/09/2023 12:50	M
1,3-Dichloropropane	0.00052 U	mg/Kg	0.0032	0.00052	1	08/09/2023 06:30	08/09/2023 12:50	M
1,4-Dichlorobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/09/2023 06:30	08/09/2023 12:50	M
2,2-Dichloropropane	0.00035 U	mg/Kg	0.0032	0.00035	1	08/09/2023 06:30	08/09/2023 12:50	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301038
Sample ID: MAG-10.2

Date Collected: 08/01/2023 10:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00078 U	mg/Kg	0.0032	0.00078	1	08/09/2023 06:30	08/09/2023 12:50	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0032	0.0016	1	08/09/2023 06:30	08/09/2023 12:50	M
2-Chlorotoluene	0.00079 U	mg/Kg	0.0032	0.00079	1	08/09/2023 06:30	08/09/2023 12:50	M
2-Hexanone	0.00060 U	mg/Kg	0.0032	0.00060	1	08/09/2023 06:30	08/09/2023 12:50	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/09/2023 06:30	08/09/2023 12:50	M
4-Methyl-2-pentanone (MIBK)	0.00087 U	mg/Kg	0.0032	0.00087	1	08/09/2023 06:30	08/09/2023 12:50	M
Acetone	0.0011 U	mg/Kg	0.0032	0.0011	1	08/09/2023 06:30	08/09/2023 12:50	M
Acrolein (Propenal)	0.0083 U	mg/Kg	0.016	0.0083	1	08/09/2023 06:30	08/09/2023 12:50	M
Acrylonitrile	0.0014 U	mg/Kg	0.0032	0.0014	1	08/09/2023 06:30	08/09/2023 12:50	M
Benzene	0.00032 U	mg/Kg	0.0032	0.00032	1	08/09/2023 06:30	08/09/2023 12:50	M
Bromobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/09/2023 06:30	08/09/2023 12:50	M
Bromochloromethane	0.00067 U	mg/Kg	0.0032	0.00067	1	08/09/2023 06:30	08/09/2023 12:50	M
Bromodichloromethane	0.00079 U	mg/Kg	0.0032	0.00079	1	08/09/2023 06:30	08/09/2023 12:50	M
Bromoform	0.00093 U	mg/Kg	0.0032	0.00093	1	08/09/2023 06:30	08/09/2023 12:50	M
Bromomethane	0.0022 U	mg/Kg	0.0032	0.0022	1	08/09/2023 06:30	08/09/2023 12:50	M
Carbon Disulfide	0.00057 U	mg/Kg	0.0032	0.00057	1	08/09/2023 06:30	08/09/2023 12:50	M
Carbon Tetrachloride	0.00047 U	mg/Kg	0.0032	0.00047	1	08/09/2023 06:30	08/09/2023 12:50	M
Chlorobenzene	0.00039 U	mg/Kg	0.0032	0.00039	1	08/09/2023 06:30	08/09/2023 12:50	M
Chloroethane	0.0012 U	mg/Kg	0.0032	0.0012	1	08/09/2023 06:30	08/09/2023 12:50	M
Chloroform	0.00051 U	mg/Kg	0.0032	0.00051	1	08/09/2023 06:30	08/09/2023 12:50	M
Chloromethane	0.00078 U	mg/Kg	0.0032	0.00078	1	08/09/2023 06:30	08/09/2023 12:50	M
Dibromochloromethane	0.00045 U	mg/Kg	0.0032	0.00045	1	08/09/2023 06:30	08/09/2023 12:50	M
Dibromomethane	0.00060 U	mg/Kg	0.0032	0.00060	1	08/09/2023 06:30	08/09/2023 12:50	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0032	0.0010	1	08/09/2023 06:30	08/09/2023 12:50	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301038
Sample ID: MAG-10.2

Date Collected: 08/01/2023 10:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00040 U	mg/Kg	0.0032	0.00040	1	08/09/2023 06:30	08/09/2023 12:50	M
Ethylene Dibromide (EDB)	0.00058 U	mg/Kg	0.0032	0.00058	1	08/09/2023 06:30	08/09/2023 12:50	M
Hexachlorobutadiene	0.00078 U	mg/Kg	0.0032	0.00078	1	08/09/2023 06:30	08/09/2023 12:50	M
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0032	0.0022	1	08/09/2023 06:30	08/09/2023 12:50	M
Isopropylbenzene	0.00072 U	mg/Kg	0.0032	0.00072	1	08/09/2023 06:30	08/09/2023 12:50	M
Methyl tert-butyl Ether (MTBE)	0.00046 U	mg/Kg	0.0032	0.00046	1	08/09/2023 06:30	08/09/2023 12:50	M
Methylene Chloride	0.0013 U	mg/Kg	0.0032	0.0013	1	08/09/2023 06:30	08/09/2023 12:50	M
Naphthalene	0.00071 U	mg/Kg	0.0032	0.00071	1	08/09/2023 06:30	08/09/2023 12:50	M
Styrene	0.00034 U	mg/Kg	0.0032	0.00034	1	08/09/2023 06:30	08/09/2023 12:50	M
Tetrachloroethylene (PCE)	0.00065 U	mg/Kg	0.0032	0.00065	1	08/09/2023 06:30	08/09/2023 12:50	M
Toluene	0.00049 U	mg/Kg	0.0032	0.00049	1	08/09/2023 06:30	08/09/2023 12:50	M
Trichloroethene	0.00061 U	mg/Kg	0.0032	0.00061	1	08/09/2023 06:30	08/09/2023 12:50	M
Trichlorofluoromethane	0.00043 U	mg/Kg	0.0032	0.00043	1	08/09/2023 06:30	08/09/2023 12:50	M
Vinyl Acetate	0.00047 U	mg/Kg	0.0032	0.00047	1	08/09/2023 06:30	08/09/2023 12:50	M
Vinyl Chloride	0.00054 U	mg/Kg	0.0032	0.00054	1	08/09/2023 06:30	08/09/2023 12:50	M
Xylene (Total)	0.0012 U	mg/Kg	0.0064	0.0012	1	08/09/2023 06:30	08/09/2023 12:50	M
cis-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0032	0.00048	1	08/09/2023 06:30	08/09/2023 12:50	M
cis-1,3-Dichloropropene	0.00038 U	mg/Kg	0.0032	0.00038	1	08/09/2023 06:30	08/09/2023 12:50	M
n-Butylbenzene	0.00074 U	mg/Kg	0.0032	0.00074	1	08/09/2023 06:30	08/09/2023 12:50	M
n-propylbenzene	0.00081 U	mg/Kg	0.0032	0.00081	1	08/09/2023 06:30	08/09/2023 12:50	M
sec-butylbenzene	0.00086 U	mg/Kg	0.0032	0.00086	1	08/09/2023 06:30	08/09/2023 12:50	M
tert-butylbenzene	0.00074 U	mg/Kg	0.0032	0.00074	1	08/09/2023 06:30	08/09/2023 12:50	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301038
Sample ID: MAG-10.2

Date Collected: 08/01/2023 10:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00050 U	mg/Kg	0.0032	0.00050	1	08/09/2023 06:30	08/09/2023 12:50	M
trans-1,3-Dichloropropylene	0.00040 U	mg/Kg	0.0032	0.00040	1	08/09/2023 06:30	08/09/2023 12:50	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51	57	112	69 - 134	M
Toluene-d8 (S)	ug/Kg	51	53	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	51	58	114	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301039
Sample ID: MAG-10.4

Date Collected: 08/01/2023 10:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.0	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00044	U mg/Kg	0.0033	0.00044	1	08/09/2023 06:30	08/09/2023 13:17	M
1,1,1-Trichloroethane	0.00058	U mg/Kg	0.0033	0.00058	1	08/09/2023 06:30	08/09/2023 13:17	M
1,1,2,2-Tetrachloroethane	0.00093	U mg/Kg	0.0033	0.00093	1	08/09/2023 06:30	08/09/2023 13:17	M
1,1,2-Trichloroethane	0.00035	U mg/Kg	0.0033	0.00035	1	08/09/2023 06:30	08/09/2023 13:17	M
1,1-Dichloroethane	0.00045	U mg/Kg	0.0033	0.00045	1	08/09/2023 06:30	08/09/2023 13:17	M
1,1-Dichloroethylene	0.00057	U mg/Kg	0.0033	0.00057	1	08/09/2023 06:30	08/09/2023 13:17	M
1,1-Dichloropropene	0.00047	U mg/Kg	0.0033	0.00047	1	08/09/2023 06:30	08/09/2023 13:17	M
1,2,3-Trichlorobenzene	0.00086	U mg/Kg	0.0033	0.00086	1	08/09/2023 06:30	08/09/2023 13:17	M
1,2,3-Trichloropropane	0.00086	U mg/Kg	0.0033	0.00086	1	08/09/2023 06:30	08/09/2023 13:17	M
1,2,4-Trichlorobenzene	0.00087	U mg/Kg	0.0033	0.00087	1	08/09/2023 06:30	08/09/2023 13:17	M
1,2,4-Trimethylbenzene	0.00085	U mg/Kg	0.0033	0.00085	1	08/09/2023 06:30	08/09/2023 13:17	M
1,2-Dibromo-3-Chloropropane	0.00065	U mg/Kg	0.0033	0.00065	1	08/09/2023 06:30	08/09/2023 13:17	M
1,2-Dichlorobenzene	0.0012	U mg/Kg	0.0033	0.0012	1	08/09/2023 06:30	08/09/2023 13:17	M
1,2-Dichloroethane	0.00039	U mg/Kg	0.0033	0.00039	1	08/09/2023 06:30	08/09/2023 13:17	M
1,2-Dichloropropane	0.00062	U mg/Kg	0.0033	0.00062	1	08/09/2023 06:30	08/09/2023 13:17	M
1,3,5-Trimethylbenzene	0.00090	U mg/Kg	0.0033	0.00090	1	08/09/2023 06:30	08/09/2023 13:17	M
1,3-Dichlorobenzene	0.0011	U mg/Kg	0.0033	0.0011	1	08/09/2023 06:30	08/09/2023 13:17	M
1,3-Dichloropropane	0.00053	U mg/Kg	0.0033	0.00053	1	08/09/2023 06:30	08/09/2023 13:17	M
1,4-Dichlorobenzene	0.0012	U mg/Kg	0.0033	0.0012	1	08/09/2023 06:30	08/09/2023 13:17	M
2,2-Dichloropropane	0.00036	U mg/Kg	0.0033	0.00036	1	08/09/2023 06:30	08/09/2023 13:17	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301039
Sample ID: MAG-10.4

Date Collected: 08/01/2023 10:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00081 U	mg/Kg	0.0033	0.00081	1	08/09/2023 06:30	08/09/2023 13:17	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0033	0.0016	1	08/09/2023 06:30	08/09/2023 13:17	M
2-Chlorotoluene	0.00082 U	mg/Kg	0.0033	0.00082	1	08/09/2023 06:30	08/09/2023 13:17	M
2-Hexanone	0.00062 U	mg/Kg	0.0033	0.00062	1	08/09/2023 06:30	08/09/2023 13:17	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/09/2023 06:30	08/09/2023 13:17	M
4-Methyl-2-pentanone (MIBK)	0.00089 U	mg/Kg	0.0033	0.00089	1	08/09/2023 06:30	08/09/2023 13:17	M
Acetone	0.0011 U	mg/Kg	0.0033	0.0011	1	08/09/2023 06:30	08/09/2023 13:17	M
Acrolein (Propenal)	0.0085 U	mg/Kg	0.016	0.0085	1	08/09/2023 06:30	08/09/2023 13:17	M
Acrylonitrile	0.0014 U	mg/Kg	0.0033	0.0014	1	08/09/2023 06:30	08/09/2023 13:17	M
Benzene	0.00033 U	mg/Kg	0.0033	0.00033	1	08/09/2023 06:30	08/09/2023 13:17	M
Bromobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/09/2023 06:30	08/09/2023 13:17	M
Bromochloromethane	0.00069 U	mg/Kg	0.0033	0.00069	1	08/09/2023 06:30	08/09/2023 13:17	M
Bromodichloromethane	0.00082 U	mg/Kg	0.0033	0.00082	1	08/09/2023 06:30	08/09/2023 13:17	M
Bromoform	0.00096 U	mg/Kg	0.0033	0.00096	1	08/09/2023 06:30	08/09/2023 13:17	M
Bromomethane	0.0023 U	mg/Kg	0.0033	0.0023	1	08/09/2023 06:30	08/09/2023 13:17	M
Carbon Disulfide	0.00059 U	mg/Kg	0.0033	0.00059	1	08/09/2023 06:30	08/09/2023 13:17	M
Carbon Tetrachloride	0.00048 U	mg/Kg	0.0033	0.00048	1	08/09/2023 06:30	08/09/2023 13:17	M
Chlorobenzene	0.00040 U	mg/Kg	0.0033	0.00040	1	08/09/2023 06:30	08/09/2023 13:17	M
Chloroethane	0.0012 U	mg/Kg	0.0033	0.0012	1	08/09/2023 06:30	08/09/2023 13:17	M
Chloroform	0.00052 U	mg/Kg	0.0033	0.00052	1	08/09/2023 06:30	08/09/2023 13:17	M
Chloromethane	0.00081 U	mg/Kg	0.0033	0.00081	1	08/09/2023 06:30	08/09/2023 13:17	M
Dibromochloromethane	0.00046 U	mg/Kg	0.0033	0.00046	1	08/09/2023 06:30	08/09/2023 13:17	M
Dibromomethane	0.00062 U	mg/Kg	0.0033	0.00062	1	08/09/2023 06:30	08/09/2023 13:17	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0033	0.0011	1	08/09/2023 06:30	08/09/2023 13:17	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301039
Sample ID: MAG-10.4

Date Collected: 08/01/2023 10:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00041 U	mg/Kg	0.0033	0.00041	1	08/09/2023 06:30	08/09/2023 13:17	M
Ethylene Dibromide (EDB)	0.00060 U	mg/Kg	0.0033	0.00060	1	08/09/2023 06:30	08/09/2023 13:17	M
Hexachlorobutadiene	0.00081 U	mg/Kg	0.0033	0.00081	1	08/09/2023 06:30	08/09/2023 13:17	M
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0033	0.0022	1	08/09/2023 06:30	08/09/2023 13:17	M
Isopropylbenzene	0.00074 U	mg/Kg	0.0033	0.00074	1	08/09/2023 06:30	08/09/2023 13:17	M
Methyl tert-butyl Ether (MTBE)	0.00047 U	mg/Kg	0.0033	0.00047	1	08/09/2023 06:30	08/09/2023 13:17	M
Methylene Chloride	0.0013 U	mg/Kg	0.0033	0.0013	1	08/09/2023 06:30	08/09/2023 13:17	M
Naphthalene	0.00073 U	mg/Kg	0.0033	0.00073	1	08/09/2023 06:30	08/09/2023 13:17	M
Styrene	0.00035 U	mg/Kg	0.0033	0.00035	1	08/09/2023 06:30	08/09/2023 13:17	M
Tetrachloroethylene (PCE)	0.00066 U	mg/Kg	0.0033	0.00066	1	08/09/2023 06:30	08/09/2023 13:17	M
Toluene	0.00050 U	mg/Kg	0.0033	0.00050	1	08/09/2023 06:30	08/09/2023 13:17	M
Trichloroethene	0.00063 U	mg/Kg	0.0033	0.00063	1	08/09/2023 06:30	08/09/2023 13:17	M
Trichlorofluoromethane	0.00045 U	mg/Kg	0.0033	0.00045	1	08/09/2023 06:30	08/09/2023 13:17	M
Vinyl Acetate	0.00048 U	mg/Kg	0.0033	0.00048	1	08/09/2023 06:30	08/09/2023 13:17	M
Vinyl Chloride	0.00056 U	mg/Kg	0.0033	0.00056	1	08/09/2023 06:30	08/09/2023 13:17	M
Xylene (Total)	0.0012 U	mg/Kg	0.0065	0.0012	1	08/09/2023 06:30	08/09/2023 13:17	M
cis-1,2-Dichloroethylene	0.00049 U	mg/Kg	0.0033	0.00049	1	08/09/2023 06:30	08/09/2023 13:17	M
cis-1,3-Dichloropropene	0.00039 U	mg/Kg	0.0033	0.00039	1	08/09/2023 06:30	08/09/2023 13:17	M
n-Butylbenzene	0.00076 U	mg/Kg	0.0033	0.00076	1	08/09/2023 06:30	08/09/2023 13:17	M
n-propylbenzene	0.00083 U	mg/Kg	0.0033	0.00083	1	08/09/2023 06:30	08/09/2023 13:17	M
sec-butylbenzene	0.00088 U	mg/Kg	0.0033	0.00088	1	08/09/2023 06:30	08/09/2023 13:17	M
tert-butylbenzene	0.00076 U	mg/Kg	0.0033	0.00076	1	08/09/2023 06:30	08/09/2023 13:17	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301039
Sample ID: MAG-10.4

Date Collected: 08/01/2023 10:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00051 U	mg/Kg	0.0033	0.00051	1	08/09/2023 06:30	08/09/2023 13:17	M
trans-1,3-Dichloropropylene	0.00041 U	mg/Kg	0.0033	0.00041	1	08/09/2023 06:30	08/09/2023 13:17	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	53	58	109	69 - 134	M
Toluene-d8 (S)	ug/Kg	53	55	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	53	60	114	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID:	M2304301040	Date Collected:	08/01/2023 10:15			Matrix:	Soil	
Sample ID:	MAG-10.6	Date Received:	08/01/2023 15:30					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.0	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/09/2023 06:30	08/09/2023 13:45	M
1,1,1-Trichloroethane	0.00055 U	mg/Kg	0.0031	0.00055	1	08/09/2023 06:30	08/09/2023 13:45	M
1,1,2,2-Tetrachloroethane	0.00089 U	mg/Kg	0.0031	0.00089	1	08/09/2023 06:30	08/09/2023 13:45	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 06:30	08/09/2023 13:45	M
1,1-Dichloroethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/09/2023 06:30	08/09/2023 13:45	M
1,1-Dichloroethylene	0.00054 U	mg/Kg	0.0031	0.00054	1	08/09/2023 06:30	08/09/2023 13:45	M
1,1-Dichloropropene	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 06:30	08/09/2023 13:45	M
1,2,3-Trichlorobenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/09/2023 06:30	08/09/2023 13:45	M
1,2,3-Trichloropropane	0.00082 U	mg/Kg	0.0031	0.00082	1	08/09/2023 06:30	08/09/2023 13:45	M
1,2,4-Trichlorobenzene	0.00083 U	mg/Kg	0.0031	0.00083	1	08/09/2023 06:30	08/09/2023 13:45	M
1,2,4-Trimethylbenzene	0.00081 U	mg/Kg	0.0031	0.00081	1	08/09/2023 06:30	08/09/2023 13:45	M
1,2-Dibromo-3-Chloropropane	0.00063 U	mg/Kg	0.0031	0.00063	1	08/09/2023 06:30	08/09/2023 13:45	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 13:45	M
1,2-Dichloroethane	0.00038 U	mg/Kg	0.0031	0.00038	1	08/09/2023 06:30	08/09/2023 13:45	M
1,2-Dichloropropane	0.00059 U	mg/Kg	0.0031	0.00059	1	08/09/2023 06:30	08/09/2023 13:45	M
1,3,5-Trimethylbenzene	0.00087 U	mg/Kg	0.0031	0.00087	1	08/09/2023 06:30	08/09/2023 13:45	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 13:45	M
1,3-Dichloropropane	0.00051 U	mg/Kg	0.0031	0.00051	1	08/09/2023 06:30	08/09/2023 13:45	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 13:45	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/09/2023 06:30	08/09/2023 13:45	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301040
Sample ID: MAG-10.6

Date Collected: 08/01/2023 10:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 06:30	08/09/2023 13:45	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0031	0.0016	1	08/09/2023 06:30	08/09/2023 13:45	M
2-Chlorotoluene	0.00078 U	mg/Kg	0.0031	0.00078	1	08/09/2023 06:30	08/09/2023 13:45	M
2-Hexanone	0.00059 U	mg/Kg	0.0031	0.00059	1	08/09/2023 06:30	08/09/2023 13:45	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 06:30	08/09/2023 13:45	M
4-Methyl-2-pentanone (MIBK)	0.00086 U	mg/Kg	0.0031	0.00086	1	08/09/2023 06:30	08/09/2023 13:45	M
Acetone	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 13:45	M
Acrolein (Propenal)	0.0081 U	mg/Kg	0.016	0.0081	1	08/09/2023 06:30	08/09/2023 13:45	M
Acrylonitrile	0.0014 U	mg/Kg	0.0031	0.0014	1	08/09/2023 06:30	08/09/2023 13:45	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/09/2023 06:30	08/09/2023 13:45	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 13:45	M
Bromochloromethane	0.00066 U	mg/Kg	0.0031	0.00066	1	08/09/2023 06:30	08/09/2023 13:45	M
Bromodichloromethane	0.00078 U	mg/Kg	0.0031	0.00078	1	08/09/2023 06:30	08/09/2023 13:45	M
Bromoform	0.00092 U	mg/Kg	0.0031	0.00092	1	08/09/2023 06:30	08/09/2023 13:45	M
Bromomethane	0.0022 U	mg/Kg	0.0031	0.0022	1	08/09/2023 06:30	08/09/2023 13:45	M
Carbon Disulfide	0.00056 U	mg/Kg	0.0031	0.00056	1	08/09/2023 06:30	08/09/2023 13:45	M
Carbon Tetrachloride	0.00046 U	mg/Kg	0.0031	0.00046	1	08/09/2023 06:30	08/09/2023 13:45	M
Chlorobenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/09/2023 06:30	08/09/2023 13:45	M
Chloroethane	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 06:30	08/09/2023 13:45	M
Chloroform	0.00050 U	mg/Kg	0.0031	0.00050	1	08/09/2023 06:30	08/09/2023 13:45	M
Chloromethane	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 06:30	08/09/2023 13:45	M
Dibromochloromethane	0.00044 U	mg/Kg	0.0031	0.00044	1	08/09/2023 06:30	08/09/2023 13:45	M
Dibromomethane	0.00059 U	mg/Kg	0.0031	0.00059	1	08/09/2023 06:30	08/09/2023 13:45	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/09/2023 06:30	08/09/2023 13:45	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301040
Sample ID: MAG-10.6

Date Collected: 08/01/2023 10:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00040 U	mg/Kg	0.0031	0.00040	1	08/09/2023 06:30	08/09/2023 13:45	M
Ethylene Dibromide (EDB)	0.00057 U	mg/Kg	0.0031	0.00057	1	08/09/2023 06:30	08/09/2023 13:45	M
Hexachlorobutadiene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 06:30	08/09/2023 13:45	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0031	0.0021	1	08/09/2023 06:30	08/09/2023 13:45	M
Isopropylbenzene	0.00071 U	mg/Kg	0.0031	0.00071	1	08/09/2023 06:30	08/09/2023 13:45	M
Methyl tert-butyl Ether (MTBE)	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 06:30	08/09/2023 13:45	M
Methylene Chloride	0.0013 U	mg/Kg	0.0031	0.0013	1	08/09/2023 06:30	08/09/2023 13:45	M
Naphthalene	0.00070 U	mg/Kg	0.0031	0.00070	1	08/09/2023 06:30	08/09/2023 13:45	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 06:30	08/09/2023 13:45	M
Tetrachloroethylene (PCE)	0.00064 U	mg/Kg	0.0031	0.00064	1	08/09/2023 06:30	08/09/2023 13:45	M
Toluene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/09/2023 06:30	08/09/2023 13:45	M
Trichloroethene	0.00061 U	mg/Kg	0.0031	0.00061	1	08/09/2023 06:30	08/09/2023 13:45	M
Trichlorofluoromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/09/2023 06:30	08/09/2023 13:45	M
Vinyl Acetate	0.00046 U	mg/Kg	0.0031	0.00046	1	08/09/2023 06:30	08/09/2023 13:45	M
Vinyl Chloride	0.00053 U	mg/Kg	0.0031	0.00053	1	08/09/2023 06:30	08/09/2023 13:45	M
Xylene (Total)	0.0011 U	mg/Kg	0.0063	0.0011	1	08/09/2023 06:30	08/09/2023 13:45	M
cis-1,2-Dichloroethylene	0.00047 U	mg/Kg	0.0031	0.00047	1	08/09/2023 06:30	08/09/2023 13:45	M
cis-1,3-Dichloropropene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/09/2023 06:30	08/09/2023 13:45	M
n-Butylbenzene	0.00073 U	mg/Kg	0.0031	0.00073	1	08/09/2023 06:30	08/09/2023 13:45	M
n-propylbenzene	0.00079 U	mg/Kg	0.0031	0.00079	1	08/09/2023 06:30	08/09/2023 13:45	M
sec-butylbenzene	0.00084 U	mg/Kg	0.0031	0.00084	1	08/09/2023 06:30	08/09/2023 13:45	M
tert-butylbenzene	0.00073 U	mg/Kg	0.0031	0.00073	1	08/09/2023 06:30	08/09/2023 13:45	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301040	Date Collected: 08/01/2023 10:15	Matrix: Soil
Sample ID: MAG-10.6	Date Received: 08/01/2023 15:30	

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00049 U	mg/Kg	0.0031	0.00049	1	08/09/2023 06:30	08/09/2023 13:45	M
trans-1,3-Dichloropropylene	0.00040 U	mg/Kg	0.0031	0.00040	1	08/09/2023 06:30	08/09/2023 13:45	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51	57	112	69 - 134	M
Toluene-d8 (S)	ug/Kg	51	53	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	51	57	113	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301041
Sample ID: SB-1.05

Date Collected: 07/31/2023 15:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.3	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00039	U mg/Kg	0.0030	0.00039	1	08/06/2023 07:56	08/07/2023 08:51	M
1,1,1-Trichloroethane	0.00052	U mg/Kg	0.0030	0.00052	1	08/06/2023 07:56	08/07/2023 08:51	M
1,1,2,2-Tetrachloroethane	0.00084	U mg/Kg	0.0030	0.00084	1	08/06/2023 07:56	08/07/2023 08:51	M
1,1,2-Trichloroethane	0.00032	U mg/Kg	0.0030	0.00032	1	08/06/2023 07:56	08/07/2023 08:51	M
1,1-Dichloroethane	0.00040	U mg/Kg	0.0030	0.00040	1	08/06/2023 07:56	08/07/2023 08:51	M
1,1-Dichloroethylene	0.00051	U mg/Kg	0.0030	0.00051	1	08/06/2023 07:56	08/07/2023 08:51	M
1,1-Dichloropropene	0.00042	U mg/Kg	0.0030	0.00042	1	08/06/2023 07:56	08/07/2023 08:51	M
1,2,3-Trichlorobenzene	0.00078	U mg/Kg	0.0030	0.00078	1	08/06/2023 07:56	08/07/2023 08:51	M
1,2,3-Trichloropropane	0.00078	U mg/Kg	0.0030	0.00078	1	08/06/2023 07:56	08/07/2023 08:51	M
1,2,4-Trichlorobenzene	0.00079	U mg/Kg	0.0030	0.00079	1	08/06/2023 07:56	08/07/2023 08:51	M
1,2,4-Trimethylbenzene	0.00077	U mg/Kg	0.0030	0.00077	1	08/06/2023 07:56	08/07/2023 08:51	M
1,2-Dibromo-3-Chloropropane	0.00059	U mg/Kg	0.0030	0.00059	1	08/06/2023 07:56	08/07/2023 08:51	M
1,2-Dichlorobenzene	0.0011	U mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 08:51	M
1,2-Dichloroethane	0.00036	U mg/Kg	0.0030	0.00036	1	08/06/2023 07:56	08/07/2023 08:51	M
1,2-Dichloropropane	0.00056	U mg/Kg	0.0030	0.00056	1	08/06/2023 07:56	08/07/2023 08:51	M
1,3,5-Trimethylbenzene	0.00082	U mg/Kg	0.0030	0.00082	1	08/06/2023 07:56	08/07/2023 08:51	M
1,3-Dichlorobenzene	0.0010	U mg/Kg	0.0030	0.0010	1	08/06/2023 07:56	08/07/2023 08:51	M
1,3-Dichloropropane	0.00048	U mg/Kg	0.0030	0.00048	1	08/06/2023 07:56	08/07/2023 08:51	M
1,4-Dichlorobenzene	0.0011	U mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 08:51	M
2,2-Dichloropropane	0.00033	U mg/Kg	0.0030	0.00033	1	08/06/2023 07:56	08/07/2023 08:51	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301041
Sample ID: SB-1.05

Date Collected: 07/31/2023 15:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00073 U	mg/Kg	0.0030	0.00073	1	08/06/2023 07:56	08/07/2023 08:51	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	1	08/06/2023 07:56	08/07/2023 08:51	M
2-Chlorotoluene	0.00074 U	mg/Kg	0.0030	0.00074	1	08/06/2023 07:56	08/07/2023 08:51	M
2-Hexanone	0.00056 U	mg/Kg	0.0030	0.00056	1	08/06/2023 07:56	08/07/2023 08:51	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 08:51	M
4-Methyl-2-pentanone (MIBK)	0.00081 U	mg/Kg	0.0030	0.00081	1	08/06/2023 07:56	08/07/2023 08:51	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	1	08/06/2023 07:56	08/07/2023 08:51	M
Acrolein (Propenal)	0.0077 U	mg/Kg	0.015	0.0077	1	08/06/2023 07:56	08/07/2023 08:51	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	1	08/06/2023 07:56	08/07/2023 08:51	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	1	08/06/2023 07:56	08/07/2023 08:51	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 08:51	M
Bromochloromethane	0.00062 U	mg/Kg	0.0030	0.00062	1	08/06/2023 07:56	08/07/2023 08:51	M
Bromodichloromethane	0.00074 U	mg/Kg	0.0030	0.00074	1	08/06/2023 07:56	08/07/2023 08:51	M
Bromoform	0.00087 U	mg/Kg	0.0030	0.00087	1	08/06/2023 07:56	08/07/2023 08:51	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	1	08/06/2023 07:56	08/07/2023 08:51	M
Carbon Disulfide	0.00053 U	mg/Kg	0.0030	0.00053	1	08/06/2023 07:56	08/07/2023 08:51	M
Carbon Tetrachloride	0.00043 U	mg/Kg	0.0030	0.00043	1	08/06/2023 07:56	08/07/2023 08:51	M
Chlorobenzene	0.00037 U	mg/Kg	0.0030	0.00037	1	08/06/2023 07:56	08/07/2023 08:51	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 08:51	M
Chloroform	0.00047 U	mg/Kg	0.0030	0.00047	1	08/06/2023 07:56	08/07/2023 08:51	M
Chloromethane	0.00073 U	mg/Kg	0.0030	0.00073	1	08/06/2023 07:56	08/07/2023 08:51	M
Dibromochloromethane	0.00041 U	mg/Kg	0.0030	0.00041	1	08/06/2023 07:56	08/07/2023 08:51	M
Dibromomethane	0.00056 U	mg/Kg	0.0030	0.00056	1	08/06/2023 07:56	08/07/2023 08:51	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301041
Sample ID: SB-1.05

Date Collected: 07/31/2023 15:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00097 U	mg/Kg	0.0030	0.00097	1	08/06/2023 07:56	08/07/2023 08:51	M
Ethylbenzene	0.00038 U	mg/Kg	0.0030	0.00038	1	08/06/2023 07:56	08/07/2023 08:51	M
Ethylene Dibromide (EDB)	0.00054 U	mg/Kg	0.0030	0.00054	1	08/06/2023 07:56	08/07/2023 08:51	M
Hexachlorobutadiene	0.00073 U	mg/Kg	0.0030	0.00073	1	08/06/2023 07:56	08/07/2023 08:51	M
Iodomethane (Methyl Iodide)	0.0020 U	mg/Kg	0.0030	0.0020	1	08/06/2023 07:56	08/07/2023 08:51	M
Isopropylbenzene	0.00067 U	mg/Kg	0.0030	0.00067	1	08/06/2023 07:56	08/07/2023 08:51	M
Methyl tert-butyl Ether (MTBE)	0.00042 U	mg/Kg	0.0030	0.00042	1	08/06/2023 07:56	08/07/2023 08:51	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	1	08/06/2023 07:56	08/07/2023 08:51	M
Naphthalene	0.00066 U	mg/Kg	0.0030	0.00066	1	08/06/2023 07:56	08/07/2023 08:51	M
Styrene	0.00032 U	mg/Kg	0.0030	0.00032	1	08/06/2023 07:56	08/07/2023 08:51	M
Tetrachloroethylene (PCE)	0.00060 U	mg/Kg	0.0030	0.00060	1	08/06/2023 07:56	08/07/2023 08:51	M
Toluene	0.00045 U	mg/Kg	0.0030	0.00045	1	08/06/2023 07:56	08/07/2023 08:51	M
Trichloroethene	0.00057 U	mg/Kg	0.0030	0.00057	1	08/06/2023 07:56	08/07/2023 08:51	M
Trichlorofluoromethane	0.00040 U	mg/Kg	0.0030	0.00040	1	08/06/2023 07:56	08/07/2023 08:51	M
Vinyl Acetate	0.00043 U	mg/Kg	0.0030	0.00043	1	08/06/2023 07:56	08/07/2023 08:51	M
Vinyl Chloride	0.00050 U	mg/Kg	0.0030	0.00050	1	08/06/2023 07:56	08/07/2023 08:51	M
Xylene (Total)	0.0011 U	mg/Kg	0.0059	0.0011	1	08/06/2023 07:56	08/07/2023 08:51	M
cis-1,2-Dichloroethylene	0.00044 U	mg/Kg	0.0030	0.00044	1	08/06/2023 07:56	08/07/2023 08:51	M
cis-1,3-Dichloropropene	0.00036 U	mg/Kg	0.0030	0.00036	1	08/06/2023 07:56	08/07/2023 08:51	M
n-Butylbenzene	0.00069 U	mg/Kg	0.0030	0.00069	1	08/06/2023 07:56	08/07/2023 08:51	M
n-propylbenzene	0.00075 U	mg/Kg	0.0030	0.00075	1	08/06/2023 07:56	08/07/2023 08:51	M
sec-butylbenzene	0.00080 U	mg/Kg	0.0030	0.00080	1	08/06/2023 07:56	08/07/2023 08:51	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301041
Sample ID: SB-1.05

Date Collected: 07/31/2023 15:30
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00069 U	mg/Kg	0.0030	0.00069	1	08/06/2023 07:56	08/07/2023 08:51	M
trans-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0030	0.00046	1	08/06/2023 07:56	08/07/2023 08:51	M
trans-1,3-Dichloropropylene	0.00038 U	mg/Kg	0.0030	0.00038	1	08/06/2023 07:56	08/07/2023 08:51	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	48	52	109	69 - 134	M
Toluene-d8 (S)	ug/Kg	48	51	106	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	48	51	107	79 - 126	M

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Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301042
Sample ID: SB-1.2

Date Collected: 07/31/2023 15:35
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	0.17	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00045 U	mg/Kg	0.0034	0.00045	1	08/06/2023 07:56	08/07/2023 09:18	M
1,1,1-Trichloroethane	0.00059 U	mg/Kg	0.0034	0.00059	1	08/06/2023 07:56	08/07/2023 09:18	M
1,1,2,2-Tetrachloroethane	0.00095 U	mg/Kg	0.0034	0.00095	1	08/06/2023 07:56	08/07/2023 09:18	M
1,1,2-Trichloroethane	0.00036 U	mg/Kg	0.0034	0.00036	1	08/06/2023 07:56	08/07/2023 09:18	M
1,1-Dichloroethane	0.00046 U	mg/Kg	0.0034	0.00046	1	08/06/2023 07:56	08/07/2023 09:18	M
1,1-Dichloroethylene	0.00058 U	mg/Kg	0.0034	0.00058	1	08/06/2023 07:56	08/07/2023 09:18	M
1,1-Dichloropropene	0.00048 U	mg/Kg	0.0034	0.00048	1	08/06/2023 07:56	08/07/2023 09:18	M
1,2,3-Trichlorobenzene	0.00089 U	mg/Kg	0.0034	0.00089	1	08/06/2023 07:56	08/07/2023 09:18	M
1,2,3-Trichloropropane	0.00088 U	mg/Kg	0.0034	0.00088	1	08/06/2023 07:56	08/07/2023 09:18	M
1,2,4-Trichlorobenzene	0.00090 U	mg/Kg	0.0034	0.00090	1	08/06/2023 07:56	08/07/2023 09:18	M
1,2,4-Trimethylbenzene	0.00087 U	mg/Kg	0.0034	0.00087	1	08/06/2023 07:56	08/07/2023 09:18	M
1,2-Dibromo-3-Chloropropane	0.00067 U	mg/Kg	0.0034	0.00067	1	08/06/2023 07:56	08/07/2023 09:18	M
1,2-Dichlorobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/06/2023 07:56	08/07/2023 09:18	M
1,2-Dichloroethane	0.00040 U	mg/Kg	0.0034	0.00040	1	08/06/2023 07:56	08/07/2023 09:18	M
1,2-Dichloropropane	0.00064 U	mg/Kg	0.0034	0.00064	1	08/06/2023 07:56	08/07/2023 09:18	M
1,3,5-Trimethylbenzene	0.00093 U	mg/Kg	0.0034	0.00093	1	08/06/2023 07:56	08/07/2023 09:18	M
1,3-Dichlorobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/06/2023 07:56	08/07/2023 09:18	M
1,3-Dichloropropane	0.00055 U	mg/Kg	0.0034	0.00055	1	08/06/2023 07:56	08/07/2023 09:18	M
1,4-Dichlorobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/06/2023 07:56	08/07/2023 09:18	M
2,2-Dichloropropane	0.00037 U	mg/Kg	0.0034	0.00037	1	08/06/2023 07:56	08/07/2023 09:18	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301042
Sample ID: SB-1.2

Date Collected: 07/31/2023 15:35
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00083 U	mg/Kg	0.0034	0.00083	1	08/06/2023 07:56	08/07/2023 09:18	M
2-Chloroethyl Vinyl Ether	0.0017 U	mg/Kg	0.0034	0.0017	1	08/06/2023 07:56	08/07/2023 09:18	M
2-Chlorotoluene	0.00084 U	mg/Kg	0.0034	0.00084	1	08/06/2023 07:56	08/07/2023 09:18	M
2-Hexanone	0.00064 U	mg/Kg	0.0034	0.00064	1	08/06/2023 07:56	08/07/2023 09:18	M
4-Chlorotoluene	0.0013 U	mg/Kg	0.0034	0.0013	1	08/06/2023 07:56	08/07/2023 09:18	M
4-Methyl-2-pentanone (MIBK)	0.00092 U	mg/Kg	0.0034	0.00092	1	08/06/2023 07:56	08/07/2023 09:18	M
Acetone	0.0012 U	mg/Kg	0.0034	0.0012	1	08/06/2023 07:56	08/07/2023 09:18	M
Acrolein (Propenal)	0.0087 U	mg/Kg	0.017	0.0087	1	08/06/2023 07:56	08/07/2023 09:18	M
Acrylonitrile	0.0015 U	mg/Kg	0.0034	0.0015	1	08/06/2023 07:56	08/07/2023 09:18	M
Benzene	0.00034 U	mg/Kg	0.0034	0.00034	1	08/06/2023 07:56	08/07/2023 09:18	M
Bromobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/06/2023 07:56	08/07/2023 09:18	M
Bromochloromethane	0.00071 U	mg/Kg	0.0034	0.00071	1	08/06/2023 07:56	08/07/2023 09:18	M
Bromodichloromethane	0.00084 U	mg/Kg	0.0034	0.00084	1	08/06/2023 07:56	08/07/2023 09:18	M
Bromoform	0.00099 U	mg/Kg	0.0034	0.00099	1	08/06/2023 07:56	08/07/2023 09:18	M
Bromomethane	0.0023 U	mg/Kg	0.0034	0.0023	1	08/06/2023 07:56	08/07/2023 09:18	M
Carbon Disulfide	0.00061 U	mg/Kg	0.0034	0.00061	1	08/06/2023 07:56	08/07/2023 09:18	M
Carbon Tetrachloride	0.00049 U	mg/Kg	0.0034	0.00049	1	08/06/2023 07:56	08/07/2023 09:18	M
Chlorobenzene	0.00041 U	mg/Kg	0.0034	0.00041	1	08/06/2023 07:56	08/07/2023 09:18	M
Chloroethane	0.0013 U	mg/Kg	0.0034	0.0013	1	08/06/2023 07:56	08/07/2023 09:18	M
Chloroform	0.00054 U	mg/Kg	0.0034	0.00054	1	08/06/2023 07:56	08/07/2023 09:18	M
Chloromethane	0.00083 U	mg/Kg	0.0034	0.00083	1	08/06/2023 07:56	08/07/2023 09:18	M
Dibromochloromethane	0.00047 U	mg/Kg	0.0034	0.00047	1	08/06/2023 07:56	08/07/2023 09:18	M
Dibromomethane	0.00064 U	mg/Kg	0.0034	0.00064	1	08/06/2023 07:56	08/07/2023 09:18	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0034	0.0011	1	08/06/2023 07:56	08/07/2023 09:18	M

Wednesday, August 9, 2023 3:28:06 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301042
Sample ID: SB-1.2

Date Collected: 07/31/2023 15:35
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/06/2023 07:56	08/07/2023 09:18	M
Ethylene Dibromide (EDB)	0.00062 U	mg/Kg	0.0034	0.00062	1	08/06/2023 07:56	08/07/2023 09:18	M
Hexachlorobutadiene	0.00083 U	mg/Kg	0.0034	0.00083	1	08/06/2023 07:56	08/07/2023 09:18	M
Iodomethane (Methyl Iodide)	0.0023 U	mg/Kg	0.0034	0.0023	1	08/06/2023 07:56	08/07/2023 09:18	M
Isopropylbenzene	0.00076 U	mg/Kg	0.0034	0.00076	1	08/06/2023 07:56	08/07/2023 09:18	M
Methyl tert-butyl Ether (MTBE)	0.00048 U	mg/Kg	0.0034	0.00048	1	08/06/2023 07:56	08/07/2023 09:18	M
Methylene Chloride	0.0014 U	mg/Kg	0.0034	0.0014	1	08/06/2023 07:56	08/07/2023 09:18	M
Naphthalene	0.00075 U	mg/Kg	0.0034	0.00075	1	08/06/2023 07:56	08/07/2023 09:18	M
Styrene	0.00036 U	mg/Kg	0.0034	0.00036	1	08/06/2023 07:56	08/07/2023 09:18	M
Tetrachloroethylene (PCE)	0.00068 U	mg/Kg	0.0034	0.00068	1	08/06/2023 07:56	08/07/2023 09:18	M
Toluene	0.00052 U	mg/Kg	0.0034	0.00052	1	08/06/2023 07:56	08/07/2023 09:18	M
Trichloroethene	0.00065 U	mg/Kg	0.0034	0.00065	1	08/06/2023 07:56	08/07/2023 09:18	M
Trichlorofluoromethane	0.00046 U	mg/Kg	0.0034	0.00046	1	08/06/2023 07:56	08/07/2023 09:18	M
Vinyl Acetate	0.00049 U	mg/Kg	0.0034	0.00049	1	08/06/2023 07:56	08/07/2023 09:18	M
Vinyl Chloride	0.00057 U	mg/Kg	0.0034	0.00057	1	08/06/2023 07:56	08/07/2023 09:18	M
Xylene (Total)	0.0012 U	mg/Kg	0.0067	0.0012	1	08/06/2023 07:56	08/07/2023 09:18	M
cis-1,2-Dichloroethylene	0.00050 U	mg/Kg	0.0034	0.00050	1	08/06/2023 07:56	08/07/2023 09:18	M
cis-1,3-Dichloropropene	0.00040 U	mg/Kg	0.0034	0.00040	1	08/06/2023 07:56	08/07/2023 09:18	M
n-Butylbenzene	0.00078 U	mg/Kg	0.0034	0.00078	1	08/06/2023 07:56	08/07/2023 09:18	M
n-propylbenzene	0.00085 U	mg/Kg	0.0034	0.00085	1	08/06/2023 07:56	08/07/2023 09:18	M
sec-butylbenzene	0.00091 U	mg/Kg	0.0034	0.00091	1	08/06/2023 07:56	08/07/2023 09:18	M
tert-butylbenzene	0.00078 U	mg/Kg	0.0034	0.00078	1	08/06/2023 07:56	08/07/2023 09:18	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301042
Sample ID: SB-1.2

Date Collected: 07/31/2023 15:35
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00053 U	mg/Kg	0.0034	0.00053	1	08/06/2023 07:56	08/07/2023 09:18	M
trans-1,3-Dichloropropylene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/06/2023 07:56	08/07/2023 09:18	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	56	60	107	69 - 134	M
Toluene-d8 (S)	ug/Kg	56	58	103	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	56	60	108	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301043
Sample ID: SB-1.4

Date Collected: 07/31/2023 15:40
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	1.1	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00040	U mg/Kg	0.0030	0.00040	1	08/06/2023 07:56	08/07/2023 09:45	M
1,1,1-Trichloroethane	0.00053	U mg/Kg	0.0030	0.00053	1	08/06/2023 07:56	08/07/2023 09:45	M
1,1,2,2-Tetrachloroethane	0.00085	U mg/Kg	0.0030	0.00085	1	08/06/2023 07:56	08/07/2023 09:45	M
1,1,2-Trichloroethane	0.00032	U mg/Kg	0.0030	0.00032	1	08/06/2023 07:56	08/07/2023 09:45	M
1,1-Dichloroethane	0.00041	U mg/Kg	0.0030	0.00041	1	08/06/2023 07:56	08/07/2023 09:45	M
1,1-Dichloroethylene	0.00052	U mg/Kg	0.0030	0.00052	1	08/06/2023 07:56	08/07/2023 09:45	M
1,1-Dichloropropene	0.00043	U mg/Kg	0.0030	0.00043	1	08/06/2023 07:56	08/07/2023 09:45	M
1,2,3-Trichlorobenzene	0.00079	U mg/Kg	0.0030	0.00079	1	08/06/2023 07:56	08/07/2023 09:45	M
1,2,3-Trichloropropane	0.00079	U mg/Kg	0.0030	0.00079	1	08/06/2023 07:56	08/07/2023 09:45	M
1,2,4-Trichlorobenzene	0.00080	U mg/Kg	0.0030	0.00080	1	08/06/2023 07:56	08/07/2023 09:45	M
1,2,4-Trimethylbenzene	0.00078	U mg/Kg	0.0030	0.00078	1	08/06/2023 07:56	08/07/2023 09:45	M
1,2-Dibromo-3-Chloropropane	0.00060	U mg/Kg	0.0030	0.00060	1	08/06/2023 07:56	08/07/2023 09:45	M
1,2-Dichlorobenzene	0.0011	U mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 09:45	M
1,2-Dichloroethane	0.00036	U mg/Kg	0.0030	0.00036	1	08/06/2023 07:56	08/07/2023 09:45	M
1,2-Dichloropropane	0.00057	U mg/Kg	0.0030	0.00057	1	08/06/2023 07:56	08/07/2023 09:45	M
1,3,5-Trimethylbenzene	0.00083	U mg/Kg	0.0030	0.00083	1	08/06/2023 07:56	08/07/2023 09:45	M
1,3-Dichlorobenzene	0.0010	U mg/Kg	0.0030	0.0010	1	08/06/2023 07:56	08/07/2023 09:45	M
1,3-Dichloropropane	0.00049	U mg/Kg	0.0030	0.00049	1	08/06/2023 07:56	08/07/2023 09:45	M
1,4-Dichlorobenzene	0.0011	U mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 09:45	M
2,2-Dichloropropane	0.00033	U mg/Kg	0.0030	0.00033	1	08/06/2023 07:56	08/07/2023 09:45	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301043
Sample ID: SB-1.4

Date Collected: 07/31/2023 15:40
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00074 U	mg/Kg	0.0030	0.00074	1	08/06/2023 07:56	08/07/2023 09:45	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	1	08/06/2023 07:56	08/07/2023 09:45	M
2-Chlorotoluene	0.00075 U	mg/Kg	0.0030	0.00075	1	08/06/2023 07:56	08/07/2023 09:45	M
2-Hexanone	0.00057 U	mg/Kg	0.0030	0.00057	1	08/06/2023 07:56	08/07/2023 09:45	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 09:45	M
4-Methyl-2-pentanone (MIBK)	0.00082 U	mg/Kg	0.0030	0.00082	1	08/06/2023 07:56	08/07/2023 09:45	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	1	08/06/2023 07:56	08/07/2023 09:45	M
Acrolein (Propenal)	0.0078 U	mg/Kg	0.015	0.0078	1	08/06/2023 07:56	08/07/2023 09:45	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	1	08/06/2023 07:56	08/07/2023 09:45	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	1	08/06/2023 07:56	08/07/2023 09:45	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 09:45	M
Bromochloromethane	0.00063 U	mg/Kg	0.0030	0.00063	1	08/06/2023 07:56	08/07/2023 09:45	M
Bromodichloromethane	0.00075 U	mg/Kg	0.0030	0.00075	1	08/06/2023 07:56	08/07/2023 09:45	M
Bromoform	0.00088 U	mg/Kg	0.0030	0.00088	1	08/06/2023 07:56	08/07/2023 09:45	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	1	08/06/2023 07:56	08/07/2023 09:45	M
Carbon Disulfide	0.00054 U	mg/Kg	0.0030	0.00054	1	08/06/2023 07:56	08/07/2023 09:45	M
Carbon Tetrachloride	0.00044 U	mg/Kg	0.0030	0.00044	1	08/06/2023 07:56	08/07/2023 09:45	M
Chlorobenzene	0.00037 U	mg/Kg	0.0030	0.00037	1	08/06/2023 07:56	08/07/2023 09:45	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 09:45	M
Chloroform	0.00048 U	mg/Kg	0.0030	0.00048	1	08/06/2023 07:56	08/07/2023 09:45	M
Chloromethane	0.00074 U	mg/Kg	0.0030	0.00074	1	08/06/2023 07:56	08/07/2023 09:45	M
Dibromochloromethane	0.00042 U	mg/Kg	0.0030	0.00042	1	08/06/2023 07:56	08/07/2023 09:45	M
Dibromomethane	0.00057 U	mg/Kg	0.0030	0.00057	1	08/06/2023 07:56	08/07/2023 09:45	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301043
Sample ID: SB-1.4

Date Collected: 07/31/2023 15:40
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00099 U	mg/Kg	0.0030	0.00099	1	08/06/2023 07:56	08/07/2023 09:45	M
Ethylbenzene	0.00038 U	mg/Kg	0.0030	0.00038	1	08/06/2023 07:56	08/07/2023 09:45	M
Ethylene Dibromide (EDB)	0.00055 U	mg/Kg	0.0030	0.00055	1	08/06/2023 07:56	08/07/2023 09:45	M
Hexachlorobutadiene	0.00074 U	mg/Kg	0.0030	0.00074	1	08/06/2023 07:56	08/07/2023 09:45	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	1	08/06/2023 07:56	08/07/2023 09:45	M
Isopropylbenzene	0.00068 U	mg/Kg	0.0030	0.00068	1	08/06/2023 07:56	08/07/2023 09:45	M
Methyl tert-butyl Ether (MTBE)	0.00043 U	mg/Kg	0.0030	0.00043	1	08/06/2023 07:56	08/07/2023 09:45	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	1	08/06/2023 07:56	08/07/2023 09:45	M
Naphthalene	0.00067 U	mg/Kg	0.0030	0.00067	1	08/06/2023 07:56	08/07/2023 09:45	M
Styrene	0.00032 U	mg/Kg	0.0030	0.00032	1	08/06/2023 07:56	08/07/2023 09:45	M
Tetrachloroethylene (PCE)	0.00061 U	mg/Kg	0.0030	0.00061	1	08/06/2023 07:56	08/07/2023 09:45	M
Toluene	0.00046 U	mg/Kg	0.0030	0.00046	1	08/06/2023 07:56	08/07/2023 09:45	M
Trichloroethene	0.00058 U	mg/Kg	0.0030	0.00058	1	08/06/2023 07:56	08/07/2023 09:45	M
Trichlorofluoromethane	0.00041 U	mg/Kg	0.0030	0.00041	1	08/06/2023 07:56	08/07/2023 09:45	M
Vinyl Acetate	0.00044 U	mg/Kg	0.0030	0.00044	1	08/06/2023 07:56	08/07/2023 09:45	M
Vinyl Chloride	0.00051 U	mg/Kg	0.0030	0.00051	1	08/06/2023 07:56	08/07/2023 09:45	M
Xylene (Total)	0.0011 U	mg/Kg	0.0060	0.0011	1	08/06/2023 07:56	08/07/2023 09:45	M
cis-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0030	0.00045	1	08/06/2023 07:56	08/07/2023 09:45	M
cis-1,3-Dichloropropene	0.00036 U	mg/Kg	0.0030	0.00036	1	08/06/2023 07:56	08/07/2023 09:45	M
n-Butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	1	08/06/2023 07:56	08/07/2023 09:45	M
n-propylbenzene	0.0016 U	mg/Kg	0.0030	0.00076	1	08/06/2023 07:56	08/07/2023 09:45	M
sec-butylbenzene	0.00081 U	mg/Kg	0.0030	0.00081	1	08/06/2023 07:56	08/07/2023 09:45	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301043
Sample ID: SB-1.4

Date Collected: 07/31/2023 15:40
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	1	08/06/2023 07:56	08/07/2023 09:45	M
trans-1,2-Dichloroethylene	0.00047 U	mg/Kg	0.0030	0.00047	1	08/06/2023 07:56	08/07/2023 09:45	M
trans-1,3-Dichloropropylene	0.00038 U	mg/Kg	0.0030	0.00038	1	08/06/2023 07:56	08/07/2023 09:45	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	56	113	69 - 134	M
Toluene-d8 (S)	ug/Kg	50	45	91	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	50	47	95	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301044
Sample ID: SB-1.6

Date Collected: 07/31/2023 15:45
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	0.16	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00039 U	mg/Kg	0.0030	0.00039	1	08/06/2023 07:56	08/07/2023 10:12	M
1,1,1-Trichloroethane	0.00052 U	mg/Kg	0.0030	0.00052	1	08/06/2023 07:56	08/07/2023 10:12	M
1,1,2,2-Tetrachloroethane	0.00084 U	mg/Kg	0.0030	0.00084	1	08/06/2023 07:56	08/07/2023 10:12	M
1,1,2-Trichloroethane	0.00031 U	mg/Kg	0.0030	0.00031	1	08/06/2023 07:56	08/07/2023 10:12	M
1,1-Dichloroethane	0.00040 U	mg/Kg	0.0030	0.00040	1	08/06/2023 07:56	08/07/2023 10:12	M
1,1-Dichloroethylene	0.00051 U	mg/Kg	0.0030	0.00051	1	08/06/2023 07:56	08/07/2023 10:12	M
1,1-Dichloropropene	0.00042 U	mg/Kg	0.0030	0.00042	1	08/06/2023 07:56	08/07/2023 10:12	M
1,2,3-Trichlorobenzene	0.00078 U	mg/Kg	0.0030	0.00078	1	08/06/2023 07:56	08/07/2023 10:12	M
1,2,3-Trichloropropane	0.00078 U	mg/Kg	0.0030	0.00078	1	08/06/2023 07:56	08/07/2023 10:12	M
1,2,4-Trichlorobenzene	0.00079 U	mg/Kg	0.0030	0.00079	1	08/06/2023 07:56	08/07/2023 10:12	M
1,2,4-Trimethylbenzene	0.00077 U	mg/Kg	0.0030	0.00077	1	08/06/2023 07:56	08/07/2023 10:12	M
1,2-Dibromo-3-Chloropropane	0.00059 U	mg/Kg	0.0030	0.00059	1	08/06/2023 07:56	08/07/2023 10:12	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 10:12	M
1,2-Dichloroethane	0.00035 U	mg/Kg	0.0030	0.00035	1	08/06/2023 07:56	08/07/2023 10:12	M
1,2-Dichloropropane	0.00056 U	mg/Kg	0.0030	0.00056	1	08/06/2023 07:56	08/07/2023 10:12	M
1,3,5-Trimethylbenzene	0.00082 U	mg/Kg	0.0030	0.00082	1	08/06/2023 07:56	08/07/2023 10:12	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0030	0.0010	1	08/06/2023 07:56	08/07/2023 10:12	M
1,3-Dichloropropane	0.00048 U	mg/Kg	0.0030	0.00048	1	08/06/2023 07:56	08/07/2023 10:12	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 10:12	M
2,2-Dichloropropane	0.00032 U	mg/Kg	0.0030	0.00032	1	08/06/2023 07:56	08/07/2023 10:12	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301044
Sample ID: SB-1.6

Date Collected: 07/31/2023 15:45
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00073 U	mg/Kg	0.0030	0.00073	1	08/06/2023 07:56	08/07/2023 10:12	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	1	08/06/2023 07:56	08/07/2023 10:12	M
2-Chlorotoluene	0.00074 U	mg/Kg	0.0030	0.00074	1	08/06/2023 07:56	08/07/2023 10:12	M
2-Hexanone	0.00056 U	mg/Kg	0.0030	0.00056	1	08/06/2023 07:56	08/07/2023 10:12	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 10:12	M
4-Methyl-2-pentanone (MIBK)	0.00081 U	mg/Kg	0.0030	0.00081	1	08/06/2023 07:56	08/07/2023 10:12	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	1	08/06/2023 07:56	08/07/2023 10:12	M
Acrolein (Propenal)	0.0077 U	mg/Kg	0.015	0.0077	1	08/06/2023 07:56	08/07/2023 10:12	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	1	08/06/2023 07:56	08/07/2023 10:12	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	1	08/06/2023 07:56	08/07/2023 10:12	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 10:12	M
Bromochloromethane	0.00062 U	mg/Kg	0.0030	0.00062	1	08/06/2023 07:56	08/07/2023 10:12	M
Bromodichloromethane	0.00074 U	mg/Kg	0.0030	0.00074	1	08/06/2023 07:56	08/07/2023 10:12	M
Bromoform	0.00087 U	mg/Kg	0.0030	0.00087	1	08/06/2023 07:56	08/07/2023 10:12	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	1	08/06/2023 07:56	08/07/2023 10:12	M
Carbon Disulfide	0.00053 U	mg/Kg	0.0030	0.00053	1	08/06/2023 07:56	08/07/2023 10:12	M
Carbon Tetrachloride	0.00043 U	mg/Kg	0.0030	0.00043	1	08/06/2023 07:56	08/07/2023 10:12	M
Chlorobenzene	0.00036 U	mg/Kg	0.0030	0.00036	1	08/06/2023 07:56	08/07/2023 10:12	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	1	08/06/2023 07:56	08/07/2023 10:12	M
Chloroform	0.00047 U	mg/Kg	0.0030	0.00047	1	08/06/2023 07:56	08/07/2023 10:12	M
Chloromethane	0.00073 U	mg/Kg	0.0030	0.00073	1	08/06/2023 07:56	08/07/2023 10:12	M
Dibromochloromethane	0.00041 U	mg/Kg	0.0030	0.00041	1	08/06/2023 07:56	08/07/2023 10:12	M
Dibromomethane	0.00056 U	mg/Kg	0.0030	0.00056	1	08/06/2023 07:56	08/07/2023 10:12	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301044
Sample ID: SB-1.6

Date Collected: 07/31/2023 15:45
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00097 U	mg/Kg	0.0030	0.00097	1	08/06/2023 07:56	08/07/2023 10:12	M
Ethylbenzene	0.00037 U	mg/Kg	0.0030	0.00037	1	08/06/2023 07:56	08/07/2023 10:12	M
Ethylene Dibromide (EDB)	0.00054 U	mg/Kg	0.0030	0.00054	1	08/06/2023 07:56	08/07/2023 10:12	M
Hexachlorobutadiene	0.00073 U	mg/Kg	0.0030	0.00073	1	08/06/2023 07:56	08/07/2023 10:12	M
Iodomethane (Methyl Iodide)	0.0020 U	mg/Kg	0.0030	0.0020	1	08/06/2023 07:56	08/07/2023 10:12	M
Isopropylbenzene	0.00067 U	mg/Kg	0.0030	0.00067	1	08/06/2023 07:56	08/07/2023 10:12	M
Methyl tert-butyl Ether (MTBE)	0.00042 U	mg/Kg	0.0030	0.00042	1	08/06/2023 07:56	08/07/2023 10:12	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	1	08/06/2023 07:56	08/07/2023 10:12	M
Naphthalene	0.00066 U	mg/Kg	0.0030	0.00066	1	08/06/2023 07:56	08/07/2023 10:12	M
Styrene	0.00031 U	mg/Kg	0.0030	0.00031	1	08/06/2023 07:56	08/07/2023 10:12	M
Tetrachloroethylene (PCE)	0.00060 U	mg/Kg	0.0030	0.00060	1	08/06/2023 07:56	08/07/2023 10:12	M
Toluene	0.00045 U	mg/Kg	0.0030	0.00045	1	08/06/2023 07:56	08/07/2023 10:12	M
Trichloroethene	0.00057 U	mg/Kg	0.0030	0.00057	1	08/06/2023 07:56	08/07/2023 10:12	M
Trichlorofluoromethane	0.00040 U	mg/Kg	0.0030	0.00040	1	08/06/2023 07:56	08/07/2023 10:12	M
Vinyl Acetate	0.00043 U	mg/Kg	0.0030	0.00043	1	08/06/2023 07:56	08/07/2023 10:12	M
Vinyl Chloride	0.00050 U	mg/Kg	0.0030	0.00050	1	08/06/2023 07:56	08/07/2023 10:12	M
Xylene (Total)	0.0011 U	mg/Kg	0.0059	0.0011	1	08/06/2023 07:56	08/07/2023 10:12	M
cis-1,2-Dichloroethylene	0.00044 U	mg/Kg	0.0030	0.00044	1	08/06/2023 07:56	08/07/2023 10:12	M
cis-1,3-Dichloropropene	0.00035 U	mg/Kg	0.0030	0.00035	1	08/06/2023 07:56	08/07/2023 10:12	M
n-Butylbenzene	0.00069 U	mg/Kg	0.0030	0.00069	1	08/06/2023 07:56	08/07/2023 10:12	M
n-propylbenzene	0.00075 U	mg/Kg	0.0030	0.00075	1	08/06/2023 07:56	08/07/2023 10:12	M
sec-butylbenzene	0.00080 U	mg/Kg	0.0030	0.00080	1	08/06/2023 07:56	08/07/2023 10:12	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301044
Sample ID: SB-1.6

Date Collected: 07/31/2023 15:45
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00069 U	mg/Kg	0.0030	0.00069	1	08/06/2023 07:56	08/07/2023 10:12	M
trans-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0030	0.00046	1	08/06/2023 07:56	08/07/2023 10:12	M
trans-1,3-Dichloropropylene	0.00037 U	mg/Kg	0.0030	0.00037	1	08/06/2023 07:56	08/07/2023 10:12	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	49	52	106	69 - 134	M
Toluene-d8 (S)	ug/Kg	49	52	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	49	52	106	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301045
Sample ID: SB-2.05

Date Collected: 07/31/2023 14:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	4.1	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00037	U mg/Kg	0.0028	0.00037	1	08/06/2023 07:56	08/07/2023 10:40	M
1,1,1-Trichloroethane	0.00049	U mg/Kg	0.0028	0.00049	1	08/06/2023 07:56	08/07/2023 10:40	M
1,1,2,2-Tetrachloroethane	0.00079	U mg/Kg	0.0028	0.00079	1	08/06/2023 07:56	08/07/2023 10:40	M
1,1,2-Trichloroethane	0.00030	U mg/Kg	0.0028	0.00030	1	08/06/2023 07:56	08/07/2023 10:40	M
1,1-Dichloroethane	0.00038	U mg/Kg	0.0028	0.00038	1	08/06/2023 07:56	08/07/2023 10:40	M
1,1-Dichloroethylene	0.00048	U mg/Kg	0.0028	0.00048	1	08/06/2023 07:56	08/07/2023 10:40	M
1,1-Dichloropropene	0.00040	U mg/Kg	0.0028	0.00040	1	08/06/2023 07:56	08/07/2023 10:40	M
1,2,3-Trichlorobenzene	0.00073	U mg/Kg	0.0028	0.00073	1	08/06/2023 07:56	08/07/2023 10:40	M
1,2,3-Trichloropropane	0.00073	U mg/Kg	0.0028	0.00073	1	08/06/2023 07:56	08/07/2023 10:40	M
1,2,4-Trichlorobenzene	0.00074	U mg/Kg	0.0028	0.00074	1	08/06/2023 07:56	08/07/2023 10:40	M
1,2,4-Trimethylbenzene	0.00072	U mg/Kg	0.0028	0.00072	1	08/06/2023 07:56	08/07/2023 10:40	M
1,2-Dibromo-3-Chloropropane	0.00055	U mg/Kg	0.0028	0.00055	1	08/06/2023 07:56	08/07/2023 10:40	M
1,2-Dichlorobenzene	0.0010	U mg/Kg	0.0028	0.0010	1	08/06/2023 07:56	08/07/2023 10:40	M
1,2-Dichloroethane	0.00033	U mg/Kg	0.0028	0.00033	1	08/06/2023 07:56	08/07/2023 10:40	M
1,2-Dichloropropane	0.00053	U mg/Kg	0.0028	0.00053	1	08/06/2023 07:56	08/07/2023 10:40	M
1,3,5-Trimethylbenzene	0.00077	U mg/Kg	0.0028	0.00077	1	08/06/2023 07:56	08/07/2023 10:40	M
1,3-Dichlorobenzene	0.00095	U mg/Kg	0.0028	0.00095	1	08/06/2023 07:56	08/07/2023 10:40	M
1,3-Dichloropropane	0.00045	U mg/Kg	0.0028	0.00045	1	08/06/2023 07:56	08/07/2023 10:40	M
1,4-Dichlorobenzene	0.0010	U mg/Kg	0.0028	0.0010	1	08/06/2023 07:56	08/07/2023 10:40	M
2,2-Dichloropropane	0.00031	U mg/Kg	0.0028	0.00031	1	08/06/2023 07:56	08/07/2023 10:40	M

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Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301045
Sample ID: SB-2.05

Date Collected: 07/31/2023 14:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00068 U	mg/Kg	0.0028	0.00068	1	08/06/2023 07:56	08/07/2023 10:40	M
2-Chloroethyl Vinyl Ether	0.0014 U	mg/Kg	0.0028	0.0014	1	08/06/2023 07:56	08/07/2023 10:40	M
2-Chlorotoluene	0.00069 U	mg/Kg	0.0028	0.00069	1	08/06/2023 07:56	08/07/2023 10:40	M
2-Hexanone	0.00053 U	mg/Kg	0.0028	0.00053	1	08/06/2023 07:56	08/07/2023 10:40	M
4-Chlorotoluene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/06/2023 07:56	08/07/2023 10:40	M
4-Methyl-2-pentanone (MIBK)	0.00076 U	mg/Kg	0.0028	0.00076	1	08/06/2023 07:56	08/07/2023 10:40	M
Acetone	0.00095 U	mg/Kg	0.0028	0.00095	1	08/06/2023 07:56	08/07/2023 10:40	M
Acrolein (Propenal)	0.0072 U	mg/Kg	0.014	0.0072	1	08/06/2023 07:56	08/07/2023 10:40	M
Acrylonitrile	0.0012 U	mg/Kg	0.0028	0.0012	1	08/06/2023 07:56	08/07/2023 10:40	M
Benzene	0.00028 U	mg/Kg	0.0028	0.00028	1	08/06/2023 07:56	08/07/2023 10:40	M
Bromobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/06/2023 07:56	08/07/2023 10:40	M
Bromochloromethane	0.00058 U	mg/Kg	0.0028	0.00058	1	08/06/2023 07:56	08/07/2023 10:40	M
Bromodichloromethane	0.00069 U	mg/Kg	0.0028	0.00069	1	08/06/2023 07:56	08/07/2023 10:40	M
Bromoform	0.00081 U	mg/Kg	0.0028	0.00081	1	08/06/2023 07:56	08/07/2023 10:40	M
Bromomethane	0.0019 U	mg/Kg	0.0028	0.0019	1	08/06/2023 07:56	08/07/2023 10:40	M
Carbon Disulfide	0.00050 U	mg/Kg	0.0028	0.00050	1	08/06/2023 07:56	08/07/2023 10:40	M
Carbon Tetrachloride	0.00041 U	mg/Kg	0.0028	0.00041	1	08/06/2023 07:56	08/07/2023 10:40	M
Chlorobenzene	0.00034 U	mg/Kg	0.0028	0.00034	1	08/06/2023 07:56	08/07/2023 10:40	M
Chloroethane	0.0010 U	mg/Kg	0.0028	0.0010	1	08/06/2023 07:56	08/07/2023 10:40	M
Chloroform	0.00044 U	mg/Kg	0.0028	0.00044	1	08/06/2023 07:56	08/07/2023 10:40	M
Chloromethane	0.00068 U	mg/Kg	0.0028	0.00068	1	08/06/2023 07:56	08/07/2023 10:40	M
Dibromochloromethane	0.00039 U	mg/Kg	0.0028	0.00039	1	08/06/2023 07:56	08/07/2023 10:40	M
Dibromomethane	0.00053 U	mg/Kg	0.0028	0.00053	1	08/06/2023 07:56	08/07/2023 10:40	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301045
Sample ID: SB-2.05

Date Collected: 07/31/2023 14:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00091 U	mg/Kg	0.0028	0.00091	1	08/06/2023 07:56	08/07/2023 10:40	M
Ethylbenzene	0.00035 U	mg/Kg	0.0028	0.00035	1	08/06/2023 07:56	08/07/2023 10:40	M
Ethylene Dibromide (EDB)	0.00051 U	mg/Kg	0.0028	0.00051	1	08/06/2023 07:56	08/07/2023 10:40	M
Hexachlorobutadiene	0.00068 U	mg/Kg	0.0028	0.00068	1	08/06/2023 07:56	08/07/2023 10:40	M
Iodomethane (Methyl Iodide)	0.0019 U	mg/Kg	0.0028	0.0019	1	08/06/2023 07:56	08/07/2023 10:40	M
Isopropylbenzene	0.00062 U	mg/Kg	0.0028	0.00062	1	08/06/2023 07:56	08/07/2023 10:40	M
Methyl tert-butyl Ether (MTBE)	0.00040 U	mg/Kg	0.0028	0.00040	1	08/06/2023 07:56	08/07/2023 10:40	M
Methylene Chloride	0.0011 U	mg/Kg	0.0028	0.0011	1	08/06/2023 07:56	08/07/2023 10:40	M
Naphthalene	0.00062 U	mg/Kg	0.0028	0.00062	1	08/06/2023 07:56	08/07/2023 10:40	M
Styrene	0.00030 U	mg/Kg	0.0028	0.00030	1	08/06/2023 07:56	08/07/2023 10:40	M
Tetrachloroethylene (PCE)	0.00056 U	mg/Kg	0.0028	0.00056	1	08/06/2023 07:56	08/07/2023 10:40	M
Toluene	0.00043 U	mg/Kg	0.0028	0.00043	1	08/06/2023 07:56	08/07/2023 10:40	M
Trichloroethene	0.00054 U	mg/Kg	0.0028	0.00054	1	08/06/2023 07:56	08/07/2023 10:40	M
Trichlorofluoromethane	0.00038 U	mg/Kg	0.0028	0.00038	1	08/06/2023 07:56	08/07/2023 10:40	M
Vinyl Acetate	0.00041 U	mg/Kg	0.0028	0.00041	1	08/06/2023 07:56	08/07/2023 10:40	M
Vinyl Chloride	0.00047 U	mg/Kg	0.0028	0.00047	1	08/06/2023 07:56	08/07/2023 10:40	M
Xylene (Total)	0.0010 U	mg/Kg	0.0055	0.0010	1	08/06/2023 07:56	08/07/2023 10:40	M
cis-1,2-Dichloroethylene	0.00042 U	mg/Kg	0.0028	0.00042	1	08/06/2023 07:56	08/07/2023 10:40	M
cis-1,3-Dichloropropene	0.00033 U	mg/Kg	0.0028	0.00033	1	08/06/2023 07:56	08/07/2023 10:40	M
n-Butylbenzene	0.00065 U	mg/Kg	0.0028	0.00065	1	08/06/2023 07:56	08/07/2023 10:40	M
n-propylbenzene	0.00070 U	mg/Kg	0.0028	0.00070	1	08/06/2023 07:56	08/07/2023 10:40	M
sec-butylbenzene	0.00075 U	mg/Kg	0.0028	0.00075	1	08/06/2023 07:56	08/07/2023 10:40	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301045
Sample ID: SB-2.05

Date Collected: 07/31/2023 14:00
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00065 U	mg/Kg	0.0028	0.00065	1	08/06/2023 07:56	08/07/2023 10:40	M
trans-1,2-Dichloroethylene	0.00043 U	mg/Kg	0.0028	0.00043	1	08/06/2023 07:56	08/07/2023 10:40	M
trans-1,3-Dichloropropylene	0.00035 U	mg/Kg	0.0028	0.00035	1	08/06/2023 07:56	08/07/2023 10:40	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	44	46	103	69 - 134	M
Toluene-d8 (S)	ug/Kg	44	46	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	44	47	106	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301046
Sample ID: SB-2.2

Date Collected: 07/31/2023 14:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	1.0	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00039	U mg/Kg	0.0029	0.00039	1	08/06/2023 07:56	08/07/2023 11:07	M
1,1,1-Trichloroethane	0.00051	U mg/Kg	0.0029	0.00051	1	08/06/2023 07:56	08/07/2023 11:07	M
1,1,2,2-Tetrachloroethane	0.00082	U mg/Kg	0.0029	0.00082	1	08/06/2023 07:56	08/07/2023 11:07	M
1,1,2-Trichloroethane	0.00031	U mg/Kg	0.0029	0.00031	1	08/06/2023 07:56	08/07/2023 11:07	M
1,1-Dichloroethane	0.00040	U mg/Kg	0.0029	0.00040	1	08/06/2023 07:56	08/07/2023 11:07	M
1,1-Dichloroethylene	0.00050	U mg/Kg	0.0029	0.00050	1	08/06/2023 07:56	08/07/2023 11:07	M
1,1-Dichloropropene	0.00042	U mg/Kg	0.0029	0.00042	1	08/06/2023 07:56	08/07/2023 11:07	M
1,2,3-Trichlorobenzene	0.00076	U mg/Kg	0.0029	0.00076	1	08/06/2023 07:56	08/07/2023 11:07	M
1,2,3-Trichloropropane	0.00076	U mg/Kg	0.0029	0.00076	1	08/06/2023 07:56	08/07/2023 11:07	M
1,2,4-Trichlorobenzene	0.00077	U mg/Kg	0.0029	0.00077	1	08/06/2023 07:56	08/07/2023 11:07	M
1,2,4-Trimethylbenzene	0.00075	U mg/Kg	0.0029	0.00075	1	08/06/2023 07:56	08/07/2023 11:07	M
1,2-Dibromo-3-Chloropropane	0.00058	U mg/Kg	0.0029	0.00058	1	08/06/2023 07:56	08/07/2023 11:07	M
1,2-Dichlorobenzene	0.0010	U mg/Kg	0.0029	0.0010	1	08/06/2023 07:56	08/07/2023 11:07	M
1,2-Dichloroethane	0.00035	U mg/Kg	0.0029	0.00035	1	08/06/2023 07:56	08/07/2023 11:07	M
1,2-Dichloropropane	0.00055	U mg/Kg	0.0029	0.00055	1	08/06/2023 07:56	08/07/2023 11:07	M
1,3,5-Trimethylbenzene	0.00080	U mg/Kg	0.0029	0.00080	1	08/06/2023 07:56	08/07/2023 11:07	M
1,3-Dichlorobenzene	0.00099	U mg/Kg	0.0029	0.00099	1	08/06/2023 07:56	08/07/2023 11:07	M
1,3-Dichloropropane	0.00047	U mg/Kg	0.0029	0.00047	1	08/06/2023 07:56	08/07/2023 11:07	M
1,4-Dichlorobenzene	0.0011	U mg/Kg	0.0029	0.0011	1	08/06/2023 07:56	08/07/2023 11:07	M
2,2-Dichloropropane	0.00032	U mg/Kg	0.0029	0.00032	1	08/06/2023 07:56	08/07/2023 11:07	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301046
Sample ID: SB-2.2

Date Collected: 07/31/2023 14:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00071 U	mg/Kg	0.0029	0.00071	1	08/06/2023 07:56	08/07/2023 11:07	M
2-Chloroethyl Vinyl Ether	0.0014 U	mg/Kg	0.0029	0.0014	1	08/06/2023 07:56	08/07/2023 11:07	M
2-Chlorotoluene	0.00072 U	mg/Kg	0.0029	0.00072	1	08/06/2023 07:56	08/07/2023 11:07	M
2-Hexanone	0.00055 U	mg/Kg	0.0029	0.00055	1	08/06/2023 07:56	08/07/2023 11:07	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/06/2023 07:56	08/07/2023 11:07	M
4-Methyl-2-pentanone (MIBK)	0.00079 U	mg/Kg	0.0029	0.00079	1	08/06/2023 07:56	08/07/2023 11:07	M
Acetone	0.00099 U	mg/Kg	0.0029	0.00099	1	08/06/2023 07:56	08/07/2023 11:07	M
Acrolein (Propenal)	0.0075 U	mg/Kg	0.014	0.0075	1	08/06/2023 07:56	08/07/2023 11:07	M
Acrylonitrile	0.0013 U	mg/Kg	0.0029	0.0013	1	08/06/2023 07:56	08/07/2023 11:07	M
Benzene	0.00029 U	mg/Kg	0.0029	0.00029	1	08/06/2023 07:56	08/07/2023 11:07	M
Bromobenzene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/06/2023 07:56	08/07/2023 11:07	M
Bromochloromethane	0.00061 U	mg/Kg	0.0029	0.00061	1	08/06/2023 07:56	08/07/2023 11:07	M
Bromodichloromethane	0.00072 U	mg/Kg	0.0029	0.00072	1	08/06/2023 07:56	08/07/2023 11:07	M
Bromoform	0.00085 U	mg/Kg	0.0029	0.00085	1	08/06/2023 07:56	08/07/2023 11:07	M
Bromomethane	0.0020 U	mg/Kg	0.0029	0.0020	1	08/06/2023 07:56	08/07/2023 11:07	M
Carbon Disulfide	0.00052 U	mg/Kg	0.0029	0.00052	1	08/06/2023 07:56	08/07/2023 11:07	M
Carbon Tetrachloride	0.00042 U	mg/Kg	0.0029	0.00042	1	08/06/2023 07:56	08/07/2023 11:07	M
Chlorobenzene	0.00036 U	mg/Kg	0.0029	0.00036	1	08/06/2023 07:56	08/07/2023 11:07	M
Chloroethane	0.0011 U	mg/Kg	0.0029	0.0011	1	08/06/2023 07:56	08/07/2023 11:07	M
Chloroform	0.00046 U	mg/Kg	0.0029	0.00046	1	08/06/2023 07:56	08/07/2023 11:07	M
Chloromethane	0.00071 U	mg/Kg	0.0029	0.00071	1	08/06/2023 07:56	08/07/2023 11:07	M
Dibromochloromethane	0.00041 U	mg/Kg	0.0029	0.00041	1	08/06/2023 07:56	08/07/2023 11:07	M
Dibromomethane	0.00055 U	mg/Kg	0.0029	0.00055	1	08/06/2023 07:56	08/07/2023 11:07	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301046
Sample ID: SB-2.2

Date Collected: 07/31/2023 14:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00095 U	mg/Kg	0.0029	0.00095	1	08/06/2023 07:56	08/07/2023 11:07	M
Ethylbenzene	0.00037 U	mg/Kg	0.0029	0.00037	1	08/06/2023 07:56	08/07/2023 11:07	M
Ethylene Dibromide (EDB)	0.00053 U	mg/Kg	0.0029	0.00053	1	08/06/2023 07:56	08/07/2023 11:07	M
Hexachlorobutadiene	0.00071 U	mg/Kg	0.0029	0.00071	1	08/06/2023 07:56	08/07/2023 11:07	M
Iodomethane (Methyl Iodide)	0.0020 U	mg/Kg	0.0029	0.0020	1	08/06/2023 07:56	08/07/2023 11:07	M
Isopropylbenzene	0.00065 U	mg/Kg	0.0029	0.00065	1	08/06/2023 07:56	08/07/2023 11:07	M
Methyl tert-butyl Ether (MTBE)	0.00042 U	mg/Kg	0.0029	0.00042	1	08/06/2023 07:56	08/07/2023 11:07	M
Methylene Chloride	0.0012 U	mg/Kg	0.0029	0.0012	1	08/06/2023 07:56	08/07/2023 11:07	M
Naphthalene	0.00065 U	mg/Kg	0.0029	0.00065	1	08/06/2023 07:56	08/07/2023 11:07	M
Styrene	0.00031 U	mg/Kg	0.0029	0.00031	1	08/06/2023 07:56	08/07/2023 11:07	M
Tetrachloroethylene (PCE)	0.00059 U	mg/Kg	0.0029	0.00059	1	08/06/2023 07:56	08/07/2023 11:07	M
Toluene	0.00044 U	mg/Kg	0.0029	0.00044	1	08/06/2023 07:56	08/07/2023 11:07	M
Trichloroethene	0.00056 U	mg/Kg	0.0029	0.00056	1	08/06/2023 07:56	08/07/2023 11:07	M
Trichlorofluoromethane	0.00040 U	mg/Kg	0.0029	0.00040	1	08/06/2023 07:56	08/07/2023 11:07	M
Vinyl Acetate	0.00042 U	mg/Kg	0.0029	0.00042	1	08/06/2023 07:56	08/07/2023 11:07	M
Vinyl Chloride	0.00049 U	mg/Kg	0.0029	0.00049	1	08/06/2023 07:56	08/07/2023 11:07	M
Xylene (Total)	0.0011 U	mg/Kg	0.0058	0.0011	1	08/06/2023 07:56	08/07/2023 11:07	M
cis-1,2-Dichloroethylene	0.00043 U	mg/Kg	0.0029	0.00043	1	08/06/2023 07:56	08/07/2023 11:07	M
cis-1,3-Dichloropropene	0.00035 U	mg/Kg	0.0029	0.00035	1	08/06/2023 07:56	08/07/2023 11:07	M
n-Butylbenzene	0.00068 U	mg/Kg	0.0029	0.00068	1	08/06/2023 07:56	08/07/2023 11:07	M
n-propylbenzene	0.00073 U	mg/Kg	0.0029	0.00073	1	08/06/2023 07:56	08/07/2023 11:07	M
sec-butylbenzene	0.00078 U	mg/Kg	0.0029	0.00078	1	08/06/2023 07:56	08/07/2023 11:07	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301046
Sample ID: SB-2.2

Date Collected: 07/31/2023 14:05
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00068 U	mg/Kg	0.0029	0.00068	1	08/06/2023 07:56	08/07/2023 11:07	M
trans-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0029	0.00045	1	08/06/2023 07:56	08/07/2023 11:07	M
trans-1,3-Dichloropropylene	0.00037 U	mg/Kg	0.0029	0.00037	1	08/06/2023 07:56	08/07/2023 11:07	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	48	50	106	69 - 134	M
Toluene-d8 (S)	ug/Kg	48	50	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	48	52	108	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301047
Sample ID: SB-2.4

Date Collected: 07/31/2023 14:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	1.1	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0031	0.00041	1	08/09/2023 06:30	08/09/2023 14:12	M
1,1,1-Trichloroethane	0.00054 U	mg/Kg	0.0031	0.00054	1	08/09/2023 06:30	08/09/2023 14:12	M
1,1,2,2-Tetrachloroethane	0.00086 U	mg/Kg	0.0031	0.00086	1	08/09/2023 06:30	08/09/2023 14:12	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 06:30	08/09/2023 14:12	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/09/2023 06:30	08/09/2023 14:12	M
1,1-Dichloroethylene	0.00053 U	mg/Kg	0.0031	0.00053	1	08/09/2023 06:30	08/09/2023 14:12	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0031	0.00044	1	08/09/2023 06:30	08/09/2023 14:12	M
1,2,3-Trichlorobenzene	0.00080 U	mg/Kg	0.0031	0.00080	1	08/09/2023 06:30	08/09/2023 14:12	M
1,2,3-Trichloropropane	0.00080 U	mg/Kg	0.0031	0.00080	1	08/09/2023 06:30	08/09/2023 14:12	M
1,2,4-Trichlorobenzene	0.00081 U	mg/Kg	0.0031	0.00081	1	08/09/2023 06:30	08/09/2023 14:12	M
1,2,4-Trimethylbenzene	0.00079 U	mg/Kg	0.0031	0.00079	1	08/09/2023 06:30	08/09/2023 14:12	M
1,2-Dibromo-3-Chloropropane	0.00061 U	mg/Kg	0.0031	0.00061	1	08/09/2023 06:30	08/09/2023 14:12	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 14:12	M
1,2-Dichloroethane	0.00037 U	mg/Kg	0.0031	0.00037	1	08/09/2023 06:30	08/09/2023 14:12	M
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/09/2023 06:30	08/09/2023 14:12	M
1,3,5-Trimethylbenzene	0.00084 U	mg/Kg	0.0031	0.00084	1	08/09/2023 06:30	08/09/2023 14:12	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0031	0.0010	1	08/09/2023 06:30	08/09/2023 14:12	M
1,3-Dichloropropane	0.00050 U	mg/Kg	0.0031	0.00050	1	08/09/2023 06:30	08/09/2023 14:12	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 14:12	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/09/2023 06:30	08/09/2023 14:12	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301047
Sample ID: SB-2.4

Date Collected: 07/31/2023 14:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00075 U	mg/Kg	0.0031	0.00075	1	08/09/2023 06:30	08/09/2023 14:12	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0031	0.0015	1	08/09/2023 06:30	08/09/2023 14:12	M
2-Chlorotoluene	0.00076 U	mg/Kg	0.0031	0.00076	1	08/09/2023 06:30	08/09/2023 14:12	M
2-Hexanone	0.00058 U	mg/Kg	0.0031	0.00058	1	08/09/2023 06:30	08/09/2023 14:12	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 14:12	M
4-Methyl-2-pentanone (MIBK)	0.00083 U	mg/Kg	0.0031	0.00083	1	08/09/2023 06:30	08/09/2023 14:12	M
Acetone	0.0010 U	mg/Kg	0.0031	0.0010	1	08/09/2023 06:30	08/09/2023 14:12	M
Acrolein (Propenal)	0.0079 U	mg/Kg	0.015	0.0079	1	08/09/2023 06:30	08/09/2023 14:12	M
Acrylonitrile	0.0013 U	mg/Kg	0.0031	0.0013	1	08/09/2023 06:30	08/09/2023 14:12	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/09/2023 06:30	08/09/2023 14:12	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 14:12	M
Bromochloromethane	0.00064 U	mg/Kg	0.0031	0.00064	1	08/09/2023 06:30	08/09/2023 14:12	M
Bromodichloromethane	0.00076 U	mg/Kg	0.0031	0.00076	1	08/09/2023 06:30	08/09/2023 14:12	M
Bromoform	0.00089 U	mg/Kg	0.0031	0.00089	1	08/09/2023 06:30	08/09/2023 14:12	M
Bromomethane	0.0021 U	mg/Kg	0.0031	0.0021	1	08/09/2023 06:30	08/09/2023 14:12	M
Carbon Disulfide	0.00055 U	mg/Kg	0.0031	0.00055	1	08/09/2023 06:30	08/09/2023 14:12	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 06:30	08/09/2023 14:12	M
Chlorobenzene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/09/2023 06:30	08/09/2023 14:12	M
Chloroethane	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 14:12	M
Chloroform	0.00049 U	mg/Kg	0.0031	0.00049	1	08/09/2023 06:30	08/09/2023 14:12	M
Chloromethane	0.00075 U	mg/Kg	0.0031	0.00075	1	08/09/2023 06:30	08/09/2023 14:12	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/09/2023 06:30	08/09/2023 14:12	M
Dibromomethane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/09/2023 06:30	08/09/2023 14:12	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/09/2023 06:30	08/09/2023 14:12	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301047
Sample ID: SB-2.4

Date Collected: 07/31/2023 14:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/09/2023 06:30	08/09/2023 14:12	M
Ethylene Dibromide (EDB)	0.00056 U	mg/Kg	0.0031	0.00056	1	08/09/2023 06:30	08/09/2023 14:12	M
Hexachlorobutadiene	0.00075 U	mg/Kg	0.0031	0.00075	1	08/09/2023 06:30	08/09/2023 14:12	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0031	0.0021	1	08/09/2023 06:30	08/09/2023 14:12	M
Isopropylbenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/09/2023 06:30	08/09/2023 14:12	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0031	0.00044	1	08/09/2023 06:30	08/09/2023 14:12	M
Methylene Chloride	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 06:30	08/09/2023 14:12	M
Naphthalene	0.00068 U	mg/Kg	0.0031	0.00068	1	08/09/2023 06:30	08/09/2023 14:12	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 06:30	08/09/2023 14:12	M
Tetrachloroethylene (PCE)	0.00062 U	mg/Kg	0.0031	0.00062	1	08/09/2023 06:30	08/09/2023 14:12	M
Toluene	0.00047 U	mg/Kg	0.0031	0.00047	1	08/09/2023 06:30	08/09/2023 14:12	M
Trichloroethene	0.00059 U	mg/Kg	0.0031	0.00059	1	08/09/2023 06:30	08/09/2023 14:12	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/09/2023 06:30	08/09/2023 14:12	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 06:30	08/09/2023 14:12	M
Vinyl Chloride	0.00052 U	mg/Kg	0.0031	0.00052	1	08/09/2023 06:30	08/09/2023 14:12	M
Xylene (Total)	0.0011 U	mg/Kg	0.0061	0.0011	1	08/09/2023 06:30	08/09/2023 14:12	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0031	0.00046	1	08/09/2023 06:30	08/09/2023 14:12	M
cis-1,3-Dichloropropene	0.00037 U	mg/Kg	0.0031	0.00037	1	08/09/2023 06:30	08/09/2023 14:12	M
n-Butylbenzene	0.00071 U	mg/Kg	0.0031	0.00071	1	08/09/2023 06:30	08/09/2023 14:12	M
n-propylbenzene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 06:30	08/09/2023 14:12	M
sec-butylbenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/09/2023 06:30	08/09/2023 14:12	M
tert-butylbenzene	0.00071 U	mg/Kg	0.0031	0.00071	1	08/09/2023 06:30	08/09/2023 14:12	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301047
Sample ID: SB-2.4

Date Collected: 07/31/2023 14:10
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/09/2023 06:30	08/09/2023 14:12	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/09/2023 06:30	08/09/2023 14:12	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	55	110	69 - 134	M
Toluene-d8 (S)	ug/Kg	50	52	103	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	50	57	114	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301048
Sample ID: SB-2.6

Date Collected: 07/31/2023 14:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	1.2	%	0.0010	0.0010	1	08/02/2023 15:30	08/02/2023 15:30	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00039	U mg/Kg	0.0029	0.00039	1	08/09/2023 06:30	08/09/2023 14:39	M
1,1,1-Trichloroethane	0.00052	U mg/Kg	0.0029	0.00052	1	08/09/2023 06:30	08/09/2023 14:39	M
1,1,2,2-Tetrachloroethane	0.00083	U mg/Kg	0.0029	0.00083	1	08/09/2023 06:30	08/09/2023 14:39	M
1,1,2-Trichloroethane	0.00031	U mg/Kg	0.0029	0.00031	1	08/09/2023 06:30	08/09/2023 14:39	M
1,1-Dichloroethane	0.00040	U mg/Kg	0.0029	0.00040	1	08/09/2023 06:30	08/09/2023 14:39	M
1,1-Dichloroethylene	0.00051	U mg/Kg	0.0029	0.00051	1	08/09/2023 06:30	08/09/2023 14:39	M
1,1-Dichloropropene	0.00042	U mg/Kg	0.0029	0.00042	1	08/09/2023 06:30	08/09/2023 14:39	M
1,2,3-Trichlorobenzene	0.00077	U mg/Kg	0.0029	0.00077	1	08/09/2023 06:30	08/09/2023 14:39	M
1,2,3-Trichloropropane	0.00077	U mg/Kg	0.0029	0.00077	1	08/09/2023 06:30	08/09/2023 14:39	M
1,2,4-Trichlorobenzene	0.00078	U mg/Kg	0.0029	0.00078	1	08/09/2023 06:30	08/09/2023 14:39	M
1,2,4-Trimethylbenzene	0.00076	U mg/Kg	0.0029	0.00076	1	08/09/2023 06:30	08/09/2023 14:39	M
1,2-Dibromo-3-Chloropropane	0.00059	U mg/Kg	0.0029	0.00059	1	08/09/2023 06:30	08/09/2023 14:39	M
1,2-Dichlorobenzene	0.0011	U mg/Kg	0.0029	0.0011	1	08/09/2023 06:30	08/09/2023 14:39	M
1,2-Dichloroethane	0.00035	U mg/Kg	0.0029	0.00035	1	08/09/2023 06:30	08/09/2023 14:39	M
1,2-Dichloropropane	0.00056	U mg/Kg	0.0029	0.00056	1	08/09/2023 06:30	08/09/2023 14:39	M
1,3,5-Trimethylbenzene	0.00081	U mg/Kg	0.0029	0.00081	1	08/09/2023 06:30	08/09/2023 14:39	M
1,3-Dichlorobenzene	0.0010	U mg/Kg	0.0029	0.0010	1	08/09/2023 06:30	08/09/2023 14:39	M
1,3-Dichloropropane	0.00048	U mg/Kg	0.0029	0.00048	1	08/09/2023 06:30	08/09/2023 14:39	M
1,4-Dichlorobenzene	0.0011	U mg/Kg	0.0029	0.0011	1	08/09/2023 06:30	08/09/2023 14:39	M
2,2-Dichloropropane	0.00032	U mg/Kg	0.0029	0.00032	1	08/09/2023 06:30	08/09/2023 14:39	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301048
Sample ID: SB-2.6

Date Collected: 07/31/2023 14:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00072 U	mg/Kg	0.0029	0.00072	1	08/09/2023 06:30	08/09/2023 14:39	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0029	0.0015	1	08/09/2023 06:30	08/09/2023 14:39	M
2-Chlorotoluene	0.00073 U	mg/Kg	0.0029	0.00073	1	08/09/2023 06:30	08/09/2023 14:39	M
2-Hexanone	0.00056 U	mg/Kg	0.0029	0.00056	1	08/09/2023 06:30	08/09/2023 14:39	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/09/2023 06:30	08/09/2023 14:39	M
4-Methyl-2-pentanone (MIBK)	0.00080 U	mg/Kg	0.0029	0.00080	1	08/09/2023 06:30	08/09/2023 14:39	M
Acetone	0.0010 U	mg/Kg	0.0029	0.0010	1	08/09/2023 06:30	08/09/2023 14:39	M
Acrolein (Propenal)	0.0076 U	mg/Kg	0.015	0.0076	1	08/09/2023 06:30	08/09/2023 14:39	M
Acrylonitrile	0.0013 U	mg/Kg	0.0029	0.0013	1	08/09/2023 06:30	08/09/2023 14:39	M
Benzene	0.00029 U	mg/Kg	0.0029	0.00029	1	08/09/2023 06:30	08/09/2023 14:39	M
Bromobenzene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/09/2023 06:30	08/09/2023 14:39	M
Bromochloromethane	0.00062 U	mg/Kg	0.0029	0.00062	1	08/09/2023 06:30	08/09/2023 14:39	M
Bromodichloromethane	0.00073 U	mg/Kg	0.0029	0.00073	1	08/09/2023 06:30	08/09/2023 14:39	M
Bromoform	0.00086 U	mg/Kg	0.0029	0.00086	1	08/09/2023 06:30	08/09/2023 14:39	M
Bromomethane	0.0020 U	mg/Kg	0.0029	0.0020	1	08/09/2023 06:30	08/09/2023 14:39	M
Carbon Disulfide	0.00053 U	mg/Kg	0.0029	0.00053	1	08/09/2023 06:30	08/09/2023 14:39	M
Carbon Tetrachloride	0.00043 U	mg/Kg	0.0029	0.00043	1	08/09/2023 06:30	08/09/2023 14:39	M
Chlorobenzene	0.00036 U	mg/Kg	0.0029	0.00036	1	08/09/2023 06:30	08/09/2023 14:39	M
Chloroethane	0.0011 U	mg/Kg	0.0029	0.0011	1	08/09/2023 06:30	08/09/2023 14:39	M
Chloroform	0.00047 U	mg/Kg	0.0029	0.00047	1	08/09/2023 06:30	08/09/2023 14:39	M
Chloromethane	0.00072 U	mg/Kg	0.0029	0.00072	1	08/09/2023 06:30	08/09/2023 14:39	M
Dibromochloromethane	0.00041 U	mg/Kg	0.0029	0.00041	1	08/09/2023 06:30	08/09/2023 14:39	M
Dibromomethane	0.00056 U	mg/Kg	0.0029	0.00056	1	08/09/2023 06:30	08/09/2023 14:39	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301048
Sample ID: SB-2.6

Date Collected: 07/31/2023 14:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00096 U	mg/Kg	0.0029	0.00096	1	08/09/2023 06:30	08/09/2023 14:39	M
Ethylbenzene	0.00037 U	mg/Kg	0.0029	0.00037	1	08/09/2023 06:30	08/09/2023 14:39	M
Ethylene Dibromide (EDB)	0.00054 U	mg/Kg	0.0029	0.00054	1	08/09/2023 06:30	08/09/2023 14:39	M
Hexachlorobutadiene	0.00072 U	mg/Kg	0.0029	0.00072	1	08/09/2023 06:30	08/09/2023 14:39	M
Iodomethane (Methyl Iodide)	0.0020 U	mg/Kg	0.0029	0.0020	1	08/09/2023 06:30	08/09/2023 14:39	M
Isopropylbenzene	0.00066 U	mg/Kg	0.0029	0.00066	1	08/09/2023 06:30	08/09/2023 14:39	M
Methyl tert-butyl Ether (MTBE)	0.00042 U	mg/Kg	0.0029	0.00042	1	08/09/2023 06:30	08/09/2023 14:39	M
Methylene Chloride	0.0012 U	mg/Kg	0.0029	0.0012	1	08/09/2023 06:30	08/09/2023 14:39	M
Naphthalene	0.00065 U	mg/Kg	0.0029	0.00065	1	08/09/2023 06:30	08/09/2023 14:39	M
Styrene	0.00031 U	mg/Kg	0.0029	0.00031	1	08/09/2023 06:30	08/09/2023 14:39	M
Tetrachloroethylene (PCE)	0.00060 U	mg/Kg	0.0029	0.00060	1	08/09/2023 06:30	08/09/2023 14:39	M
Toluene	0.00045 U	mg/Kg	0.0029	0.00045	1	08/09/2023 06:30	08/09/2023 14:39	M
Trichloroethene	0.00057 U	mg/Kg	0.0029	0.00057	1	08/09/2023 06:30	08/09/2023 14:39	M
Trichlorofluoromethane	0.00040 U	mg/Kg	0.0029	0.00040	1	08/09/2023 06:30	08/09/2023 14:39	M
Vinyl Acetate	0.00043 U	mg/Kg	0.0029	0.00043	1	08/09/2023 06:30	08/09/2023 14:39	M
Vinyl Chloride	0.00050 U	mg/Kg	0.0029	0.00050	1	08/09/2023 06:30	08/09/2023 14:39	M
Xylene (Total)	0.0011 U	mg/Kg	0.0059	0.0011	1	08/09/2023 06:30	08/09/2023 14:39	M
cis-1,2-Dichloroethylene	0.00044 U	mg/Kg	0.0029	0.00044	1	08/09/2023 06:30	08/09/2023 14:39	M
cis-1,3-Dichloropropene	0.00035 U	mg/Kg	0.0029	0.00035	1	08/09/2023 06:30	08/09/2023 14:39	M
n-Butylbenzene	0.00068 U	mg/Kg	0.0029	0.00068	1	08/09/2023 06:30	08/09/2023 14:39	M
n-propylbenzene	0.00074 U	mg/Kg	0.0029	0.00074	1	08/09/2023 06:30	08/09/2023 14:39	M
sec-butylbenzene	0.00079 U	mg/Kg	0.0029	0.00079	1	08/09/2023 06:30	08/09/2023 14:39	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

Analytical Results

Lab ID: M2304301048
Sample ID: SB-2.6

Date Collected: 07/31/2023 14:15
Date Received: 08/01/2023 15:30

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00068 U	mg/Kg	0.0029	0.00068	1	08/09/2023 06:30	08/09/2023 14:39	M
trans-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0029	0.00046	1	08/09/2023 06:30	08/09/2023 14:39	M
trans-1,3-Dichloropropylene	0.00037 U	mg/Kg	0.0029	0.00037	1	08/09/2023 06:30	08/09/2023 14:39	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	48	54	113	69 - 134	M
Toluene-d8 (S)	ug/Kg	48	50	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	48	55	114	79 - 126	M

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Workorder: Crystal Cleaners (M2304301)

QC Results

QC Batch: MSVm/4612 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301041, M2304301042, M2304301043, M2304301044, M2304301045, M2304301046

Method Blank(4901745)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.00098 U	mg/Kg	0.0030	0.00098	M
Chloromethane	0.00074 U	mg/Kg	0.0030	0.00074	M
Vinyl Chloride	0.00051 U	mg/Kg	0.0030	0.00051	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	M
Trichlorofluoromethane	0.00041 U	mg/Kg	0.0030	0.00041	M
Acrolein (Propenal)	0.0078 U	mg/Kg	0.015	0.0078	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	M
1,1-Dichloroethylene	0.00052 U	mg/Kg	0.0030	0.00052	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	M
Carbon Disulfide	0.00054 U	mg/Kg	0.0030	0.00054	M
trans-1,2-Dichloroethylene	0.00047 U	mg/Kg	0.0030	0.00047	M
Methyl tert-butyl Ether (MTBE)	0.00043 U	mg/Kg	0.0030	0.00043	M
1,1-Dichloroethane	0.00041 U	mg/Kg	0.0030	0.00041	M
Vinyl Acetate	0.00044 U	mg/Kg	0.0030	0.00044	M
2-Butanone (MEK)	0.00074 U	mg/Kg	0.0030	0.00074	M
cis-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0030	0.00045	M
Bromochloromethane	0.00063 U	mg/Kg	0.0030	0.00063	M
Chloroform	0.00048 U	mg/Kg	0.0030	0.00048	M
2,2-Dichloropropane	0.00033 U	mg/Kg	0.0030	0.00033	M
1,2-Dichloroethane	0.00036 U	mg/Kg	0.0030	0.00036	M
1,1,1-Trichloroethane	0.00053 U	mg/Kg	0.0030	0.00053	M
1,1-Dichloropropene	0.00043 U	mg/Kg	0.0030	0.00043	M
Carbon Tetrachloride	0.00044 U	mg/Kg	0.0030	0.00044	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	M
Dibromomethane	0.00057 U	mg/Kg	0.0030	0.00057	M
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0030	0.00057	M
Trichloroethene	0.00058 U	mg/Kg	0.0030	0.00058	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4612 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301041, M2304301042, M2304301043, M2304301044, M2304301045, M2304301046

Parameter	Results	Units	PQL	MDL	Lab
Bromodichloromethane	0.00075 U	mg/Kg	0.0030	0.00075	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	M
cis-1,3-Dichloropropene	0.00036 U	mg/Kg	0.0030	0.00036	M
4-Methyl-2-pentanone (MIBK)	0.00082 U	mg/Kg	0.0030	0.00082	M
trans-1,3-Dichloropropylene	0.00038 U	mg/Kg	0.0030	0.00038	M
1,1,2-Trichloroethane	0.00032 U	mg/Kg	0.0030	0.00032	M
Toluene	0.00046 U	mg/Kg	0.0030	0.00046	M
1,3-Dichloropropane	0.00049 U	mg/Kg	0.0030	0.00049	M
2-Hexanone	0.00057 U	mg/Kg	0.0030	0.00057	M
Dibromochloromethane	0.00042 U	mg/Kg	0.0030	0.00042	M
Ethylene Dibromide (EDB)	0.00055 U	mg/Kg	0.0030	0.00055	M
Tetrachloroethylene (PCE)	0.00061 U	mg/Kg	0.0030	0.00061	M
1,1,1,2-Tetrachloroethane	0.00040 U	mg/Kg	0.0030	0.00040	M
Chlorobenzene	0.00037 U	mg/Kg	0.0030	0.00037	M
Ethylbenzene	0.00038 U	mg/Kg	0.0030	0.00038	M
Bromoform	0.00088 U	mg/Kg	0.0030	0.00088	M
Styrene	0.00032 U	mg/Kg	0.0030	0.00032	M
1,1,2,2-Tetrachloroethane	0.00085 U	mg/Kg	0.0030	0.00085	M
1,2,3-Trichloropropane	0.00079 U	mg/Kg	0.0030	0.00079	M
Isopropylbenzene	0.00068 U	mg/Kg	0.0030	0.00068	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
n-propylbenzene	0.00076 U	mg/Kg	0.0030	0.00076	M
2-Chlorotoluene	0.00075 U	mg/Kg	0.0030	0.00075	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	M
1,3,5-Trimethylbenzene	0.00083 U	mg/Kg	0.0030	0.00083	M
tert-butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	M
1,2,4-Trimethylbenzene	0.00078 U	mg/Kg	0.0030	0.00078	M
sec-butylbenzene	0.00081 U	mg/Kg	0.0030	0.00081	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0030	0.0010	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
n-Butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	M
1,2-Dibromo-3-Chloropropane	0.00060 U	mg/Kg	0.0030	0.00060	M
1,2,4-Trichlorobenzene	0.00080 U	mg/Kg	0.0030	0.00080	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4612 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301041, M2304301042, M2304301043, M2304301044, M2304301045, M2304301046

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.00067 U	mg/Kg	0.0030	0.00067	M
Hexachlorobutadiene	0.00074 U	mg/Kg	0.0030	0.00074	M
1,2,3-Trichlorobenzene	0.00079 U	mg/Kg	0.0030	0.00079	M
Xylene (Total)	0.0011 U	mg/Kg	0.0060	0.0011	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	57	114	69 - 134	M
Bromofluorobenzene (S)	ug/L	50	56	112	79 - 126	M
Toluene-d8 (S)	ug/L	50	53	107	72 - 122	M

Lab Control Sample (4901747); Lab Control Sample Duplicate (4901748); Parent Lab Sample (M2304301041, M2304301042, M2304301043, M2304301044, M2304301045, M2304301046)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.019	94	10 - 150	.019	94	0	20	M
Chloromethane	mg/Kg	0.02	.021	104	50 - 136	.02	99	5	20	M
Vinyl Chloride	mg/Kg	0.02	.021	107	56 - 135	.023	117	9	20	M
Bromomethane	mg/Kg	0.02	.024	119	53 - 143	.024	118	1	20	M
Chloroethane	mg/Kg	0.02	.024	120	59 - 139	.024	119	1	20	M
Trichlorofluoromethane	mg/Kg	0.02	.021	106	62 - 140	.022	112	6	20	M
Acetone	mg/Kg	0.02	.024	118	36 - 164	.022	111	6	20	M
1,1-Dichloroethylene	mg/Kg	0.02	.023	113	70 - 131	.023	116	3	20	M
Methylene Chloride	mg/Kg	0.02	.017	86	70 - 128	.016	80	6	20	M
Carbon Disulfide	mg/Kg	0.02	.021	107	63 - 132	.02	98	9	20	M
trans-1,2-Dichloroethylene	mg/Kg	0.02	.024	119	74 - 125	.023	115	4	20	M
Methyl tert-butyl Ether (MT)	mg/Kg	0.02	.021	107	73 - 125	.02	102	4	20	M
1,1-Dichloroethane	mg/Kg	0.02	.022	111	76 - 125	.022	109	2	20	M
2-Butanone (MEK)	mg/Kg	0.02	.021	107	51 - 148	.022	112	5	20	M
cis-1,2-Dichloroethylene	mg/Kg	0.02	.023	113	77 - 123	.022	110	3	20	M
Chloroform	mg/Kg	0.02	.023	117	78 - 123	.022	111	6	20	M
1,2-Dichloroethane	mg/Kg	0.02	.023	117	73 - 128	.022	112	5	20	M
1,1,1-Trichloroethane	mg/Kg	0.02	.023	115	73 - 130	.021	103	11	20	M
Carbon Tetrachloride	mg/Kg	0.02	.022	109	70 - 135	.02	99	9	20	M
Benzene	mg/Kg	0.02	.022	111	77 - 121	.02	101	9	20	M
1,2-Dichloropropane	mg/Kg	0.02	.023	117	76 - 123	.021	107	8	20	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4612 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301041, M2304301042, M2304301043, M2304301044, M2304301045, M2304301046

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Trichloroethene	mg/Kg	0.02	.023	115	77 - 123	.021	105	8	20	M
Bromodichloromethane	mg/Kg	0.02	.021	103	75 - 127	.019	97	6	20	M
cis-1,3-Dichloropropene	mg/Kg	0.02	.021	103	74 - 126	.019	96	7	20	M
4-Methyl-2-pentanone (MIB	mg/Kg	0.02	.023	116	65 - 135	.022	111	4	20	M
trans-1,3-Dichloropropylene	mg/Kg	0.02	.021	106	71 - 130	.02	100	6	20	M
1,1,2-Trichloroethane	mg/Kg	0.02	.021	107	78 - 121	.02	100	7	20	M
Toluene	mg/Kg	0.02	.024	120	77 - 121	.022	110	8	20	M
2-Hexanone	mg/Kg	0.02	.023	114	53 - 145	.022	111	3	20	M
Dibromochloromethane	mg/Kg	0.02	.021	107	74 - 126	.021	104	3	20	M
Ethylene Dibromide (EDB)	mg/Kg	0.02	.022	108	78 - 122	.022	108	1	20	M
Tetrachloroethylene (PCE)	mg/Kg	0.02	.022	111	73 - 128	.021	103	8	20	M
Chlorobenzene	mg/Kg	0.02	.023	117	79 - 120	.022	108	8	20	M
Ethylbenzene	mg/Kg	0.02	.024	118	76 - 122	.023	113	4	20	M
Bromoform	mg/Kg	0.02	.019	96	67 - 132	.019	95	2	20	M
Styrene	mg/Kg	0.02	.021	107	76 - 124	.021	103	3	20	M
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.024	119	70 - 124	.023	113	5	20	M
Isopropylbenzene	mg/Kg	0.02	.024	118	68 - 134	.023	115	3	20	M
1,3-Dichlorobenzene	mg/Kg	0.02	.023	117	77 - 121	.024	119	2	20	M
1,4-Dichlorobenzene	mg/Kg	0.02	.022	110	75 - 120	.022	110	1	20	M
1,2-Dichlorobenzene	mg/Kg	0.02	.023	113	78 - 121	.022	111	2	20	M
1,2-Dibromo-3-Chloropropa	mg/Kg	0.02	.023	114	61 - 132	.02	98	15	20	M
1,2,4-Trichlorobenzene	mg/Kg	0.02	.024	119	67 - 129	.024	120	0	20	M
Xylene (Total)	mg/Kg	0.06	.07	116	78 - 124	.066	109	6	20	M
1,1-Dichloropropene	mg/Kg	0.02	.023	115	76 - 125	.021	105	9	20	M
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.022	109	78 - 125	.021	104	5	20	M
1,2,3-Trichlorobenzene	mg/Kg	0.02	.022	108	66 - 130	.024	118	9	20	M
1,2,3-Trichloropropane	mg/Kg	0.02	.022	111	73 - 125	.02	98	12	20	M
1,2,4-Trimethylbenzene	mg/Kg	0.02	.022	110	75 - 123	.024	119	9	20	M
1,3,5-Trimethylbenzene	mg/Kg	0.02	.023	117	73 - 124	.023	116	1	20	M
1,3-Dichloropropane	mg/Kg	0.02	.023	114	77 - 121	.022	110	3	20	M
2,2-Dichloropropane	mg/Kg	0.02	.022	112	67 - 133	.02	99	12	20	M
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.023	117	43 - 149	.021	107	8	20	M
2-Chlorotoluene	mg/Kg	0.02	.023	117	75 - 122	.024	119	1	20	M





FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4612 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301041, M2304301042, M2304301043, M2304301044, M2304301045, M2304301046

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
4-Chlorotoluene	mg/Kg	0.02	.024	120	72 - 124	.023	115	4	20	M
Acrolein (Propenal)	mg/Kg	0.10	.11	109	10 - 150	.098	98	10	20	M
Bromobenzene	mg/Kg	0.02	.024	120	78 - 121	.024	119	1	20	M
Dibromomethane	mg/Kg	0.02	.022	109	78 - 125	.021	103	6	20	M
Hexachlorobutadiene	mg/Kg	0.02	.024	118	61 - 135	.022	111	6	20	M
Naphthalene	mg/Kg	0.02	.023	117	62 - 129	.023	115	2	20	M
n-Butylbenzene	mg/Kg	0.02	.024	119	70 - 128	.023	114	4	20	M
n-propylbenzene	mg/Kg	0.02	.023	115	73 - 125	.02	99	15	20	M
sec-butylbenzene	mg/Kg	0.02	.023	117	73 - 126	.023	116	1	20	M
Vinyl Acetate	mg/Kg	0.02	.022	108	10 - 150	.022	110	2	20	M
Acrylonitrile	mg/Kg	0.02	.023	114	65 - 134	.022	112	1	20	M
Iodomethane (Methyl Iodid	mg/Kg	0.02	.016	81	10 - 150	.016	81	0	20	M
tert-butylbenzene	mg/Kg	0.02	.024	118	73 - 125	.023	116	2	20	M
Bromochloromethane	mg/Kg	0.02	.023	113	78 - 125	.021	105	7	20	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	45	89	69 - 134	46	93	4		M
Bromofluorobenzene (S)	ug/L	50	47	93	79 - 126	45	91	3		M
Toluene-d8 (S)	ug/L	50	46	92	72 - 122	44	88	4		M

Matrix Spike (4901749); Original (A2308532001); Parent Lab Sample (A2308532001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.018	89	10 - 150	M
Chloromethane	mg/Kg	0.02	.019	97	50 - 136	M
Vinyl Chloride	mg/Kg	0.02	.023	113	56 - 135	M
Bromomethane	mg/Kg	0.02	.024	118	53 - 143	M
Chloroethane	mg/Kg	0.02	.022	112	59 - 139	M
Trichlorofluoromethane	mg/Kg	0.02	.023	114	62 - 140	M
1,1-Dichloroethylene	mg/Kg	0.02	.025	124	70 - 131	M
Methylene Chloride	mg/Kg	0.02	.018	89	70 - 128	M
trans-1,2-Dichloroethylene	mg/Kg	0.02	.023	115	74 - 125	M
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	.023	113	73 - 125	M
1,1-Dichloroethane	mg/Kg	0.02	.024	119	76 - 125	M

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Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4612 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301041, M2304301042, M2304301043, M2304301044, M2304301045, M2304301046

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
cis-1,2-Dichloroethylene	mg/Kg	0.02	.024	119	77 - 123	M
Chloroform	mg/Kg	0.02	.024	119	78 - 123	M
1,2-Dichloroethane	mg/Kg	0.02	.024	118	73 - 128	M
1,1,1-Trichloroethane	mg/Kg	0.02	.023	115	73 - 130	M
Carbon Tetrachloride	mg/Kg	0.02	.021	107	70 - 135	M
Benzene	mg/Kg	0.02	.022	108	77 - 121	M
1,2-Dichloropropane	mg/Kg	0.02	.023	114	76 - 123	M
Trichloroethene	mg/Kg	0.02	.022	108	77 - 123	M
Bromodichloromethane	mg/Kg	0.02	.021	104	75 - 127	M
cis-1,3-Dichloropropene	mg/Kg	0.02	.021	105	74 - 126	M
trans-1,3-Dichloropropylene	mg/Kg	0.02	.021	107	71 - 130	M
1,1,2-Trichloroethane	mg/Kg	0.02	.022	111	78 - 121	M
Toluene	mg/Kg	0.02	.023	117	77 - 121	M
Dibromochloromethane	mg/Kg	0.02	.022	111	74 - 126	M
Tetrachloroethylene (PCE)	mg/Kg	0.02	.024	118	73 - 128	M
Chlorobenzene	mg/Kg	0.02	.024	118	79 - 120	M
Ethylbenzene	mg/Kg	0.02	.022	112	76 - 122	M
Bromoform	mg/Kg	0.02	.021	105	67 - 132	M
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.021	106	70 - 124	M
Isopropylbenzene	mg/Kg	0.02	.023	114	68 - 134	M
1,3-Dichlorobenzene	mg/Kg	0.02	.024	119	77 - 121	M
1,4-Dichlorobenzene	mg/Kg	0.02	.023	115	75 - 120	M
1,2-Dichlorobenzene	mg/Kg	0.02	.023	113	78 - 121	M
Xylene (Total)	mg/Kg	0.06	.07	116	78 - 124	M
1,2,4-Trimethylbenzene	mg/Kg	0.02	.023	116	75 - 123	M
1,3,5-Trimethylbenzene	mg/Kg	0.02	.022	111	73 - 124	M
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.023	114	43 - 149	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	46	93	69 - 134	M
Bromofluorobenzene (S)	ug/L	50	46	93	79 - 126	M
Toluene-d8 (S)	ug/L	50	46	92	72 - 122	M





FINAL

Workorder: Crystal Cleaners (M2304301)

QC Results

QC Batch: MSVm/4621 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301005, M2304301006, M2304301007, M2304301008, M2304301009, M2304301010, M2304301011, M2304301012, M2304301013, M2304301014, M2304301015, M2304301016, M2304301017, M2304301018, M2304301019, M2304301020

Method Blank(4902916)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.00098 U	mg/Kg	0.0030	0.00098	M
Chloromethane	0.00074 U	mg/Kg	0.0030	0.00074	M
Vinyl Chloride	0.00051 U	mg/Kg	0.0030	0.00051	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	M
Trichlorofluoromethane	0.00041 U	mg/Kg	0.0030	0.00041	M
Acrolein (Propenal)	0.0078 U	mg/Kg	0.015	0.0078	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	M
1,1-Dichloroethylene	0.00052 U	mg/Kg	0.0030	0.00052	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	M
Carbon Disulfide	0.00054 U	mg/Kg	0.0030	0.00054	M
trans-1,2-Dichloroethylene	0.00047 U	mg/Kg	0.0030	0.00047	M
Methyl tert-butyl Ether (MTBE)	0.00043 U	mg/Kg	0.0030	0.00043	M
1,1-Dichloroethane	0.00041 U	mg/Kg	0.0030	0.00041	M
Vinyl Acetate	0.00044 U	mg/Kg	0.0030	0.00044	M
2-Butanone (MEK)	0.00074 U	mg/Kg	0.0030	0.00074	M
cis-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0030	0.00045	M
Bromochloromethane	0.00063 U	mg/Kg	0.0030	0.00063	M
Chloroform	0.00048 U	mg/Kg	0.0030	0.00048	M
2,2-Dichloropropane	0.00033 U	mg/Kg	0.0030	0.00033	M
1,2-Dichloroethane	0.00036 U	mg/Kg	0.0030	0.00036	M
1,1,1-Trichloroethane	0.00053 U	mg/Kg	0.0030	0.00053	M
1,1-Dichloropropene	0.00043 U	mg/Kg	0.0030	0.00043	M
Carbon Tetrachloride	0.00044 U	mg/Kg	0.0030	0.00044	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	M
Dibromomethane	0.00057 U	mg/Kg	0.0030	0.00057	M
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0030	0.00057	M
Trichloroethene	0.00058 U	mg/Kg	0.0030	0.00058	M

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Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4621 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301005, M2304301006, M2304301007, M2304301008, M2304301009, M2304301010, M2304301011, M2304301012, M2304301013, M2304301014, M2304301015, M2304301016, M2304301017, M2304301018, M2304301019, M2304301020

Parameter	Results	Units	PQL	MDL	Lab
Bromodichloromethane	0.00075 U	mg/Kg	0.0030	0.00075	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	M
cis-1,3-Dichloropropene	0.00036 U	mg/Kg	0.0030	0.00036	M
4-Methyl-2-pentanone (MIBK)	0.00082 U	mg/Kg	0.0030	0.00082	M
trans-1,3-Dichloropropylene	0.00038 U	mg/Kg	0.0030	0.00038	M
1,1,2-Trichloroethane	0.00032 U	mg/Kg	0.0030	0.00032	M
Toluene	0.00046 U	mg/Kg	0.0030	0.00046	M
1,3-Dichloropropane	0.00049 U	mg/Kg	0.0030	0.00049	M
2-Hexanone	0.00057 U	mg/Kg	0.0030	0.00057	M
Dibromochloromethane	0.00042 U	mg/Kg	0.0030	0.00042	M
Ethylene Dibromide (EDB)	0.00055 U	mg/Kg	0.0030	0.00055	M
Tetrachloroethylene (PCE)	0.00061 U	mg/Kg	0.0030	0.00061	M
1,1,1,2-Tetrachloroethane	0.00040 U	mg/Kg	0.0030	0.00040	M
Chlorobenzene	0.00037 U	mg/Kg	0.0030	0.00037	M
Ethylbenzene	0.00038 U	mg/Kg	0.0030	0.00038	M
Bromoform	0.00088 U	mg/Kg	0.0030	0.00088	M
Styrene	0.00032 U	mg/Kg	0.0030	0.00032	M
1,1,1,2-Tetrachloroethane	0.00085 U	mg/Kg	0.0030	0.00085	M
1,2,3-Trichloropropane	0.00079 U	mg/Kg	0.0030	0.00079	M
Isopropylbenzene	0.00068 U	mg/Kg	0.0030	0.00068	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
n-propylbenzene	0.00076 U	mg/Kg	0.0030	0.00076	M
2-Chlorotoluene	0.00075 U	mg/Kg	0.0030	0.00075	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	M
1,3,5-Trimethylbenzene	0.00083 U	mg/Kg	0.0030	0.00083	M
tert-butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	M
1,2,4-Trimethylbenzene	0.00078 U	mg/Kg	0.0030	0.00078	M
sec-butylbenzene	0.00081 U	mg/Kg	0.0030	0.00081	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0030	0.0010	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
n-Butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	M
1,2-Dibromo-3-Chloropropane	0.00060 U	mg/Kg	0.0030	0.00060	M





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Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4621 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301005, M2304301006, M2304301007, M2304301008, M2304301009, M2304301010, M2304301011, M2304301012, M2304301013, M2304301014, M2304301015, M2304301016, M2304301017, M2304301018, M2304301019, M2304301020

Parameter	Results	Units	PQL	MDL	Lab
1,2,4-Trichlorobenzene	0.00080 U	mg/Kg	0.0030	0.00080	M
Naphthalene	0.00067 U	mg/Kg	0.0030	0.00067	M
Hexachlorobutadiene	0.00074 U	mg/Kg	0.0030	0.00074	M
1,2,3-Trichlorobenzene	0.00079 U	mg/Kg	0.0030	0.00079	M
Xylene (Total)	0.0011 U	mg/Kg	0.0060	0.0011	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	101	69 - 134	M
Bromofluorobenzene (S)	ug/L	50	55	110	79 - 126	M
Toluene-d8 (S)	ug/L	50	53	106	72 - 122	M

Lab Control Sample (4902918); Lab Control Sample Duplicate (4902919); Parent Lab Sample (M2304301005, M2304301006, M2304301007, M2304301008, M2304301009, M2304301010, M2304301011, M2304301012, M2304301013, M2304301014, M2304301015, M2304301016, M2304301017, M2304301018, M2304301019, M2304301020)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.02	99	10 - 150	.019	97	2	20	M
Chloromethane	mg/Kg	0.02	.023	114	50 - 136	.023	114	0	20	M
Vinyl Chloride	mg/Kg	0.02	.023	117	56 - 135	.023	117	0	20	M
Bromomethane	mg/Kg	0.02	.021	107	53 - 143	.023	113	6	20	M
Chloroethane	mg/Kg	0.02	.023	117	59 - 139	.024	120	2	20	M
Trichlorofluoromethane	mg/Kg	0.02	.023	114	62 - 140	.023	115	1	20	M
Acetone	mg/Kg	0.02	.018	92	36 - 164	.019	95	4	20	M
1,1-Dichloroethylene	mg/Kg	0.02	.021	106	70 - 131	.021	103	2	20	M
Methylene Chloride	mg/Kg	0.02	.019	95	70 - 128	.021	106	11	20	M
Carbon Disulfide	mg/Kg	0.02	.019	94	63 - 132	.019	93	1	20	M
trans-1,2-Dichloroethylene	mg/Kg	0.02	.021	103	74 - 125	.02	102	0	20	M
Methyl tert-butyl Ether (MT)	mg/Kg	0.02	.02	101	73 - 125	.021	103	2	20	M
1,1-Dichloroethane	mg/Kg	0.02	.02	102	76 - 125	.02	102	0	20	M
2-Butanone (MEK)	mg/Kg	0.02	.02	100	51 - 148	.022	111	10	20	M
cis-1,2-Dichloroethylene	mg/Kg	0.02	.02	101	77 - 123	.02	101	0	20	M
Chloroform	mg/Kg	0.02	.021	106	78 - 123	.021	103	3	20	M
1,2-Dichloroethane	mg/Kg	0.02	.019	95	73 - 128	.02	98	3	20	M
1,1,1-Trichloroethane	mg/Kg	0.02	.02	101	73 - 130	.02	99	2	20	M
Carbon Tetrachloride	mg/Kg	0.02	.019	96	70 - 135	.019	94	1	20	M

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Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4621 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301005, M2304301006, M2304301007, M2304301008, M2304301009, M2304301010, M2304301011, M2304301012, M2304301013, M2304301014, M2304301015, M2304301016, M2304301017, M2304301018, M2304301019, M2304301020

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzene	mg/Kg	0.02	.019	97	77 - 121	.019	97	0	20	M
1,2-Dichloropropane	mg/Kg	0.02	.019	97	76 - 123	.02	99	2	20	M
Trichloroethene	mg/Kg	0.02	.019	95	77 - 123	.019	96	0	20	M
Bromodichloromethane	mg/Kg	0.02	.019	93	75 - 127	.019	93	0	20	M
cis-1,3-Dichloropropene	mg/Kg	0.02	.019	95	74 - 126	.018	91	5	20	M
4-Methyl-2-pentanone (MIB)	mg/Kg	0.02	.02	99	65 - 135	.02	102	3	20	M
trans-1,3-Dichloropropylene	mg/Kg	0.02	.019	95	71 - 130	.019	94	1	20	M
1,1,2-Trichloroethane	mg/Kg	0.02	.018	90	78 - 121	.019	95	5	20	M
Toluene	mg/Kg	0.02	.021	107	77 - 121	.021	106	1	20	M
2-Hexanone	mg/Kg	0.02	.022	112	53 - 145	.023	117	5	20	M
Dibromochloromethane	mg/Kg	0.02	.019	94	74 - 126	.019	94	0	20	M
Ethylene Dibromide (EDB)	mg/Kg	0.02	.021	104	78 - 122	.021	105	2	20	M
Tetrachloroethylene (PCE)	mg/Kg	0.02	.02	102	73 - 128	.021	107	4	20	M
Chlorobenzene	mg/Kg	0.02	.021	106	79 - 120	.022	108	2	20	M
Ethylbenzene	mg/Kg	0.02	.021	107	76 - 122	.022	109	3	20	M
Bromoform	mg/Kg	0.02	.018	90	67 - 132	.018	90	0	20	M
Styrene	mg/Kg	0.02	.02	100	76 - 124	.02	101	1	20	M
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.021	103	70 - 124	.022	109	6	20	M
Isopropylbenzene	mg/Kg	0.02	.021	105	68 - 134	.023	115	10	20	M
1,3-Dichlorobenzene	mg/Kg	0.02	.022	112	77 - 121	.023	113	1	20	M
1,4-Dichlorobenzene	mg/Kg	0.02	.021	104	75 - 120	.02	102	2	20	M
1,2-Dichlorobenzene	mg/Kg	0.02	.02	102	78 - 121	.02	101	1	20	M
1,2-Dibromo-3-Chloropropa	mg/Kg	0.02	.021	107	61 - 132	.022	109	2	20	M
1,2,4-Trichlorobenzene	mg/Kg	0.02	.021	105	67 - 129	.022	110	5	20	M
Xylene (Total)	mg/Kg	0.06	.063	105	78 - 124	.064	107	2	20	M
1,1-Dichloropropene	mg/Kg	0.02	.021	103	76 - 125	.021	103	0	20	M
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.02	101	78 - 125	.021	103	3	20	M
1,2,3-Trichlorobenzene	mg/Kg	0.02	.023	113	66 - 130	.024	118	4	20	M
1,2,3-Trichloropropane	mg/Kg	0.02	.018	92	73 - 125	.019	97	6	20	M
1,2,4-Trimethylbenzene	mg/Kg	0.02	.023	116	75 - 123	.022	111	4	20	M
1,3,5-Trimethylbenzene	mg/Kg	0.02	.024	119	73 - 124	.023	114	4	20	M
1,3-Dichloropropane	mg/Kg	0.02	.021	104	77 - 121	.021	107	3	20	M





FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4621 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301005, M2304301006, M2304301007, M2304301008, M2304301009, M2304301010, M2304301011, M2304301012, M2304301013, M2304301014, M2304301015, M2304301016, M2304301017, M2304301018, M2304301019, M2304301020

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,2-Dichloropropane	mg/Kg	0.02	.019	97	67 - 133	.02	99	1	20	M
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.019	97	43 - 149	.02	99	2	20	M
2-Chlorotoluene	mg/Kg	0.02	.022	108	75 - 122	.021	105	3	20	M
4-Chlorotoluene	mg/Kg	0.02	.021	107	72 - 124	.021	106	1	20	M
Acrolein (Propenal)	mg/Kg	0.10	.085	85	10 - 150	.087	87	2	20	M
Bromobenzene	mg/Kg	0.02	.022	109	78 - 121	.021	105	4	20	M
Dibromomethane	mg/Kg	0.02	.018	92	78 - 125	.019	93	1	20	M
Hexachlorobutadiene	mg/Kg	0.02	.023	113	61 - 135	.022	109	4	20	M
Naphthalene	mg/Kg	0.02	.023	114	62 - 129	.023	115	1	20	M
n-Butylbenzene	mg/Kg	0.02	.022	110	70 - 128	.021	106	4	20	M
n-propylbenzene	mg/Kg	0.02	.022	109	73 - 125	.024	119	9	20	M
sec-butylbenzene	mg/Kg	0.02	.022	110	73 - 126	.021	107	3	20	M
Vinyl Acetate	mg/Kg	0.02	.021	104	10 - 150	.022	109	5	20	M
Acrylonitrile	mg/Kg	0.02	.02	101	65 - 134	.019	93	8	20	M
Iodomethane (Methyl Iodide)	mg/Kg	0.02	.017	86	10 - 150	.017	83	4	20	M
tert-butylbenzene	mg/Kg	0.02	.023	117	73 - 125	.023	115	1	20	M
Bromochloromethane	mg/Kg	0.02	.019	97	78 - 125	.02	99	2	20	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	45	90	69 - 134	44	87	3		M
Bromofluorobenzene (S)	ug/L	50	46	92	79 - 126	46	93	1		M
Toluene-d8 (S)	ug/L	50	44	89	72 - 122	46	92	4		M

Matrix Spike (4902920); Original (M2304343001); Parent Lab Sample (M2304343001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.017	84	10 - 150	M
Chloromethane	mg/Kg	0.02	.02	98	50 - 136	M
Vinyl Chloride	mg/Kg	0.02	.022	110	56 - 135	M
Bromomethane	mg/Kg	0.02	.021	105	53 - 143	M
Chloroethane	mg/Kg	0.02	.02	101	59 - 139	M
Trichlorofluoromethane	mg/Kg	0.02	.028	140	62 - 140	M
Acetone	mg/Kg	0.02	.02	99	36 - 164	M





FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4621 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301005, M2304301006, M2304301007, M2304301008, M2304301009, M2304301010, M2304301011, M2304301012, M2304301013, M2304301014, M2304301015, M2304301016, M2304301017, M2304301018, M2304301019, M2304301020

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,1-Dichloroethylene	mg/Kg	0.02	.023	115	70 - 131	M
Methylene Chloride	mg/Kg	0.02	.016	81	70 - 128	M
Carbon Disulfide	mg/Kg	0.02	.021	105	63 - 132	M
trans-1,2-Dichloroethylene	mg/Kg	0.02	.022	111	74 - 125	M
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	.022	109	73 - 125	M
1,1-Dichloroethane	mg/Kg	0.02	.022	112	76 - 125	M
2-Butanone (MEK)	mg/Kg	0.02	.021	104	51 - 148	M
cis-1,2-Dichloroethylene	mg/Kg	0.02	.022	109	77 - 123	M
Chloroform	mg/Kg	0.02	.023	117	78 - 123	M
1,2-Dichloroethane	mg/Kg	0.02	.021	103	73 - 128	M
1,1,1-Trichloroethane	mg/Kg	0.02	.022	110	73 - 130	M
Carbon Tetrachloride	mg/Kg	0.02	.024	122	70 - 135	M
Benzene	mg/Kg	0.02	.021	107	77 - 121	M
1,2-Dichloropropane	mg/Kg	0.02	.022	108	76 - 123	M
Trichloroethene	mg/Kg	0.02	.021	105	77 - 123	M
Bromodichloromethane	mg/Kg	0.02	.02	101	75 - 127	M
cis-1,3-Dichloropropene	mg/Kg	0.02	.02	101	74 - 126	M
4-Methyl-2-pentanone (MIBK)	mg/Kg	0.02	.022	108	65 - 135	M
trans-1,3-Dichloropropylene	mg/Kg	0.02	.021	103	71 - 130	M
1,1,2-Trichloroethane	mg/Kg	0.02	.02	100	78 - 121	M
Toluene	mg/Kg	0.02	.024	120	77 - 121	M
2-Hexanone	mg/Kg	0.02	.025	124	53 - 145	M
Dibromochloromethane	mg/Kg	0.02	.021	107	74 - 126	M
Ethylene Dibromide (EDB)	mg/Kg	0.02	.023	114	78 - 122	M
Tetrachloroethylene (PCE)	mg/Kg	0.02	.024	119	73 - 128	M
Chlorobenzene	mg/Kg	0.02	.024	119	79 - 120	M
Ethylbenzene	mg/Kg	0.02	.024	121	76 - 122	M
Bromoform	mg/Kg	0.02	.021	103	67 - 132	M
Styrene	mg/Kg	0.02	.022	112	76 - 124	M
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.023	117	70 - 124	M
Isopropylbenzene	mg/Kg	0.02	.023	115	68 - 134	M
1,3-Dichlorobenzene	mg/Kg	0.02	.022	110	77 - 121	M
1,4-Dichlorobenzene	mg/Kg	0.02	.023	117	75 - 120	M





FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4621 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301005, M2304301006, M2304301007, M2304301008, M2304301009, M2304301010, M2304301011, M2304301012, M2304301013, M2304301014, M2304301015, M2304301016, M2304301017, M2304301018, M2304301019, M2304301020

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichlorobenzene	mg/Kg	0.02	.023	117	78 - 121	M
1,2-Dibromo-3-Chloropropane	mg/Kg	0.02	.024	118	61 - 132	M
1,2,4-Trichlorobenzene	mg/Kg	0.02	.022	109	67 - 129	M
Xylene (Total)	mg/Kg	0.06	.07	116	78 - 124	M
1,1-Dichloropropene	mg/Kg	0.02	.023	113	76 - 125	M
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.023	114	78 - 125	M
1,2,3-Trichlorobenzene	mg/Kg	0.02	.026	130	66 - 130	M
1,2,3-Trichloropropane	mg/Kg	0.02	.022	111	73 - 125	M
1,2,4-Trimethylbenzene	mg/Kg	0.02	.023	116	75 - 123	M
1,3,5-Trimethylbenzene	mg/Kg	0.02	.02	101	73 - 124	M
1,3-Dichloropropane	mg/Kg	0.02	.023	115	77 - 121	M
2,2-Dichloropropane	mg/Kg	0.02	.022	110	67 - 133	M
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.022	108	43 - 149	M
2-Chlorotoluene	mg/Kg	0.02	.023	116	75 - 122	M
4-Chlorotoluene	mg/Kg	0.02	.022	109	72 - 124	M
Acrolein (Propenal)	mg/Kg	0.10	.092	92	10 - 150	M
Bromobenzene	mg/Kg	0.02	.024	119	78 - 121	M
Dibromomethane	mg/Kg	0.02	.02	101	78 - 125	M
Hexachlorobutadiene	mg/Kg	0.02	.025	126	61 - 135	M
Naphthalene	mg/Kg	0.02	.023	113	62 - 129	M
n-Butylbenzene	mg/Kg	0.02	.023	117	70 - 128	M
n-propylbenzene	mg/Kg	0.02	.023	117	73 - 125	M
sec-butylbenzene	mg/Kg	0.02	.022	112	73 - 126	M
Vinyl Acetate	mg/Kg	0.02	.023	115	10 - 150	M
Acrylonitrile	mg/Kg	0.02	.023	117	65 - 134	M
Iodomethane (Methyl Iodide)	mg/Kg	0.02	.018	92	10 - 150	M
tert-butylbenzene	mg/Kg	0.02	.022	108	73 - 125	M
Bromochloromethane	mg/Kg	0.02	.021	106	78 - 125	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	43	86	69 - 134	M
Bromofluorobenzene (S)	ug/L	50	45	90	79 - 126	M
Toluene-d8 (S)	ug/L	50	45	90	72 - 122	M

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Workorder: Crystal Cleaners (M2304301)

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Workorder: Crystal Cleaners (M2304301)

QC Results

QC Batch: MSVm/4623 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301021, M2304301022, M2304301023, M2304301024, M2304301025, M2304301026, M2304301027, M2304301028, M2304301029, M2304301030, M2304301031, M2304301032, M2304301033, M2304301034, M2304301035

Method Blank(4903194)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.00098 U	mg/Kg	0.0030	0.00098	M
Chloromethane	0.00074 U	mg/Kg	0.0030	0.00074	M
Vinyl Chloride	0.00051 U	mg/Kg	0.0030	0.00051	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	M
Trichlorofluoromethane	0.00041 U	mg/Kg	0.0030	0.00041	M
Acrolein (Propenal)	0.0078 U	mg/Kg	0.015	0.0078	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	M
1,1-Dichloroethylene	0.00052 U	mg/Kg	0.0030	0.00052	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	M
Carbon Disulfide	0.00054 U	mg/Kg	0.0030	0.00054	M
trans-1,2-Dichloroethylene	0.00047 U	mg/Kg	0.0030	0.00047	M
Methyl tert-butyl Ether (MTBE)	0.00043 U	mg/Kg	0.0030	0.00043	M
1,1-Dichloroethane	0.00041 U	mg/Kg	0.0030	0.00041	M
Vinyl Acetate	0.00044 U	mg/Kg	0.0030	0.00044	M
2-Butanone (MEK)	0.00074 U	mg/Kg	0.0030	0.00074	M
cis-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0030	0.00045	M
Bromochloromethane	0.00063 U	mg/Kg	0.0030	0.00063	M
Chloroform	0.00048 U	mg/Kg	0.0030	0.00048	M
2,2-Dichloropropane	0.00033 U	mg/Kg	0.0030	0.00033	M
1,2-Dichloroethane	0.00036 U	mg/Kg	0.0030	0.00036	M
1,1,1-Trichloroethane	0.00053 U	mg/Kg	0.0030	0.00053	M
1,1-Dichloropropene	0.00043 U	mg/Kg	0.0030	0.00043	M
Carbon Tetrachloride	0.00044 U	mg/Kg	0.0030	0.00044	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	M
Dibromomethane	0.00057 U	mg/Kg	0.0030	0.00057	M
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0030	0.00057	M
Trichloroethene	0.00058 U	mg/Kg	0.0030	0.00058	M

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Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4623 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301021, M2304301022, M2304301023, M2304301024, M2304301025, M2304301026, M2304301027, M2304301028, M2304301029, M2304301030, M2304301031, M2304301032, M2304301033, M2304301034, M2304301035

Parameter	Results	Units	PQL	MDL	Lab
Bromodichloromethane	0.00075 U	mg/Kg	0.0030	0.00075	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	M
cis-1,3-Dichloropropene	0.00036 U	mg/Kg	0.0030	0.00036	M
4-Methyl-2-pentanone (MIBK)	0.00082 U	mg/Kg	0.0030	0.00082	M
trans-1,3-Dichloropropylene	0.00038 U	mg/Kg	0.0030	0.00038	M
1,1,2-Trichloroethane	0.00032 U	mg/Kg	0.0030	0.00032	M
Toluene	0.00046 U	mg/Kg	0.0030	0.00046	M
1,3-Dichloropropane	0.00049 U	mg/Kg	0.0030	0.00049	M
2-Hexanone	0.00057 U	mg/Kg	0.0030	0.00057	M
Dibromochloromethane	0.00042 U	mg/Kg	0.0030	0.00042	M
Ethylene Dibromide (EDB)	0.00055 U	mg/Kg	0.0030	0.00055	M
Tetrachloroethylene (PCE)	0.00061 U	mg/Kg	0.0030	0.00061	M
1,1,1,2-Tetrachloroethane	0.00040 U	mg/Kg	0.0030	0.00040	M
Chlorobenzene	0.00037 U	mg/Kg	0.0030	0.00037	M
Ethylbenzene	0.00038 U	mg/Kg	0.0030	0.00038	M
Bromoform	0.00088 U	mg/Kg	0.0030	0.00088	M
Styrene	0.00032 U	mg/Kg	0.0030	0.00032	M
1,1,1,2-Tetrachloroethane	0.00085 U	mg/Kg	0.0030	0.00085	M
1,2,3-Trichloropropane	0.00079 U	mg/Kg	0.0030	0.00079	M
Isopropylbenzene	0.00068 U	mg/Kg	0.0030	0.00068	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
n-propylbenzene	0.00076 U	mg/Kg	0.0030	0.00076	M
2-Chlorotoluene	0.00075 U	mg/Kg	0.0030	0.00075	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	M
1,3,5-Trimethylbenzene	0.00083 U	mg/Kg	0.0030	0.00083	M
tert-butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	M
1,2,4-Trimethylbenzene	0.00078 U	mg/Kg	0.0030	0.00078	M
sec-butylbenzene	0.00081 U	mg/Kg	0.0030	0.00081	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0030	0.0010	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
n-Butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	M
1,2-Dibromo-3-Chloropropane	0.00060 U	mg/Kg	0.0030	0.00060	M





FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4623 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301021, M2304301022, M2304301023, M2304301024, M2304301025, M2304301026, M2304301027, M2304301028, M2304301029, M2304301030, M2304301031, M2304301032, M2304301033, M2304301034, M2304301035

Parameter	Results	Units	PQL	MDL	Lab
1,2,4-Trichlorobenzene	0.00080 U	mg/Kg	0.0030	0.00080	M
Naphthalene	0.00067 U	mg/Kg	0.0030	0.00067	M
Hexachlorobutadiene	0.00074 U	mg/Kg	0.0030	0.00074	M
1,2,3-Trichlorobenzene	0.00079 U	mg/Kg	0.0030	0.00079	M
Xylene (Total)	0.0011 U	mg/Kg	0.0060	0.0011	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53	106	69 - 134	M
Bromofluorobenzene (S)	ug/L	50	57	113	79 - 126	M
Toluene-d8 (S)	ug/L	50	52	103	72 - 122	M

Lab Control Sample (4903196); Lab Control Sample Duplicate (4903197); Parent Lab Sample (M2304301021, M2304301022, M2304301023, M2304301024, M2304301025, M2304301026, M2304301027, M2304301028, M2304301029, M2304301030, M2304301031, M2304301032, M2304301033, M2304301034, M2304301035)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.024	119	10 - 150	.021	107	10	20	M
Chloromethane	mg/Kg	0.02	.023	117	50 - 136	.021	105	11	20	M
Vinyl Chloride	mg/Kg	0.02	.023	114	56 - 135	.024	119	4	20	M
Bromomethane	mg/Kg	0.02	.023	115	53 - 143	.02	102	12	20	M
Chloroethane	mg/Kg	0.02	.022	112	59 - 139	.023	114	2	20	M
Trichlorofluoromethane	mg/Kg	0.02	.023	117	62 - 140	.024	118	0	20	M
Acetone	mg/Kg	0.02	.022	109	36 - 164	.02	101	8	20	M
1,1-Dichloroethylene	mg/Kg	0.02	.024	120	70 - 131	.022	111	7	20	M
Methylene Chloride	mg/Kg	0.02	.016	82	70 - 128	.015	76	7	20	M
Carbon Disulfide	mg/Kg	0.02	.021	107	63 - 132	.02	98	8	20	M
trans-1,2-Dichloroethylene	mg/Kg	0.02	.024	120	74 - 125	.023	113	6	20	M
Methyl tert-butyl Ether (MT)	mg/Kg	0.02	.022	110	73 - 125	.021	104	6	20	M
1,1-Dichloroethane	mg/Kg	0.02	.023	115	76 - 125	.022	108	6	20	M
2-Butanone (MEK)	mg/Kg	0.02	.022	111	51 - 148	.023	115	4	20	M
cis-1,2-Dichloroethylene	mg/Kg	0.02	.023	113	77 - 123	.021	105	8	20	M
Chloroform	mg/Kg	0.02	.024	118	78 - 123	.021	106	10	20	M
1,2-Dichloroethane	mg/Kg	0.02	.022	111	73 - 128	.02	102	9	20	M
1,1,1-Trichloroethane	mg/Kg	0.02	.023	113	73 - 130	.021	105	8	20	M
Carbon Tetrachloride	mg/Kg	0.02	.022	108	70 - 135	.022	111	3	20	M

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Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4623 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301021, M2304301022, M2304301023, M2304301024, M2304301025, M2304301026, M2304301027, M2304301028, M2304301029, M2304301030, M2304301031, M2304301032, M2304301033, M2304301034, M2304301035

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzene	mg/Kg	0.02	.022	108	77 - 121	.02	99	9	20	M
1,2-Dichloropropane	mg/Kg	0.02	.022	111	76 - 123	.021	104	7	20	M
Trichloroethene	mg/Kg	0.02	.023	113	77 - 123	.021	106	7	20	M
Bromodichloromethane	mg/Kg	0.02	.02	102	75 - 127	.019	93	9	20	M
cis-1,3-Dichloropropene	mg/Kg	0.02	.021	104	74 - 126	.019	95	8	20	M
4-Methyl-2-pentanone (MIB)	mg/Kg	0.02	.022	111	65 - 135	.022	110	0	20	M
trans-1,3-Dichloropropylene	mg/Kg	0.02	.021	104	71 - 130	.019	97	7	20	M
1,1,2-Trichloroethane	mg/Kg	0.02	.021	105	78 - 121	.02	98	7	20	M
Toluene	mg/Kg	0.02	.021	107	77 - 121	.019	96	11	20	M
2-Hexanone	mg/Kg	0.02	.022	110	53 - 145	.023	113	3	20	M
Dibromochloromethane	mg/Kg	0.02	.019	97	74 - 126	.018	90	7	20	M
Ethylene Dibromide (EDB)	mg/Kg	0.02	.021	104	78 - 122	.019	94	10	20	M
Tetrachloroethylene (PCE)	mg/Kg	0.02	.021	107	73 - 128	.019	94	13	20	M
Chlorobenzene	mg/Kg	0.02	.02	102	79 - 120	.019	95	7	20	M
Ethylbenzene	mg/Kg	0.02	.021	106	76 - 122	.019	96	9	20	M
Bromoform	mg/Kg	0.02	.018	92	67 - 132	.017	85	8	20	M
Styrene	mg/Kg	0.02	.02	99	76 - 124	.018	90	10	20	M
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.021	104	70 - 124	.019	93	11	20	M
Isopropylbenzene	mg/Kg	0.02	.023	116	68 - 134	.023	114	2	20	M
1,3-Dichlorobenzene	mg/Kg	0.02	.021	107	77 - 121	.021	107	0	20	M
1,4-Dichlorobenzene	mg/Kg	0.02	.02	100	75 - 120	.02	98	2	20	M
1,2-Dichlorobenzene	mg/Kg	0.02	.02	101	78 - 121	.019	96	6	20	M
1,2-Dibromo-3-Chloropropa	mg/Kg	0.02	.022	111	61 - 132	.023	116	5	20	M
1,2,4-Trichlorobenzene	mg/Kg	0.02	.02	99	67 - 129	.022	108	9	20	M
Xylene (Total)	mg/Kg	0.06	.062	103	78 - 124	.057	94	9	20	M
1,1-Dichloropropene	mg/Kg	0.02	.023	114	76 - 125	.021	107	6	20	M
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.02	100	78 - 125	.018	91	9	20	M
1,2,3-Trichlorobenzene	mg/Kg	0.02	.021	103	66 - 130	.022	111	8	20	M
1,2,3-Trichloropropane	mg/Kg	0.02	.021	106	73 - 125	.024	119	12	20	M
1,2,4-Trimethylbenzene	mg/Kg	0.02	.022	111	75 - 123	.021	106	4	20	M
1,3,5-Trimethylbenzene	mg/Kg	0.02	.024	118	73 - 124	.022	111	6	20	M
1,3-Dichloropropane	mg/Kg	0.02	.021	105	77 - 121	.019	94	11	20	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4623 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301021, M2304301022, M2304301023, M2304301024, M2304301025, M2304301026, M2304301027, M2304301028, M2304301029, M2304301030, M2304301031, M2304301032, M2304301033, M2304301034, M2304301035

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,2-Dichloropropane	mg/Kg	0.02	.022	111	67 - 133	.02	100	10	20	M
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.022	111	43 - 149	.021	104	7	20	M
2-Chlorotoluene	mg/Kg	0.02	.021	107	75 - 122	.02	102	6	20	M
4-Chlorotoluene	mg/Kg	0.02	.021	107	72 - 124	.021	104	3	20	M
Acrolein (Propenal)	mg/Kg	0.10	.095	95	10 - 150	.089	89	6	20	M
Bromobenzene	mg/Kg	0.02	.021	107	78 - 121	.021	103	4	20	M
Dibromomethane	mg/Kg	0.02	.021	103	78 - 125	.019	96	7	20	M
Hexachlorobutadiene	mg/Kg	0.02	.021	103	61 - 135	.021	103	0	20	M
Naphthalene	mg/Kg	0.02	.02	101	62 - 129	.023	117	15	20	M
n-Butylbenzene	mg/Kg	0.02	.021	106	70 - 128	.021	103	3	20	M
n-propylbenzene	mg/Kg	0.02	.022	111	73 - 125	.024	119	7	20	M
sec-butylbenzene	mg/Kg	0.02	.021	105	73 - 126	.021	105	0	20	M
Vinyl Acetate	mg/Kg	0.02	.023	115	10 - 150	.024	119	3	20	M
Acrylonitrile	mg/Kg	0.02	.023	116	65 - 134	.022	110	5	20	M
Iodomethane (Methyl Iodide)	mg/Kg	0.02	.02	98	10 - 150	.019	96	2	20	M
tert-butylbenzene	mg/Kg	0.02	.023	115	73 - 125	.021	105	9	20	M
Bromochloromethane	mg/Kg	0.02	.022	108	78 - 125	.02	100	8	20	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	110	69 - 134	54	109	1		M
Bromofluorobenzene (S)	ug/L	50	51	101	79 - 126	52	105	3		M
Toluene-d8 (S)	ug/L	50	51	103	72 - 122	51	101	1		M

Matrix Spike (4903198); Original (M2304381001); Parent Lab Sample (M2304381001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.023	114	10 - 150	M
Chloromethane	mg/Kg	0.02	.023	114	50 - 136	M
Vinyl Chloride	mg/Kg	0.02	.021	105	56 - 135	M
Bromomethane	mg/Kg	0.02	.022	108	53 - 143	M
Chloroethane	mg/Kg	0.02	.023	113	59 - 139	M
Trichlorofluoromethane	mg/Kg	0.02	.02	102	62 - 140	M
Acetone	mg/Kg	0.02	.022	110	36 - 164	M





FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4623 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301021, M2304301022, M2304301023, M2304301024, M2304301025, M2304301026, M2304301027, M2304301028, M2304301029, M2304301030, M2304301031, M2304301032, M2304301033, M2304301034, M2304301035

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,1-Dichloroethylene	mg/Kg	0.02	.022	111	70 - 131	M
Methylene Chloride	mg/Kg	0.02	.016	78	70 - 128	M
Carbon Disulfide	mg/Kg	0.02	.02	100	63 - 132	M
trans-1,2-Dichloroethylene	mg/Kg	0.02	.022	111	74 - 125	M
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	.022	108	73 - 125	M
1,1-Dichloroethane	mg/Kg	0.02	.022	109	76 - 125	M
2-Butanone (MEK)	mg/Kg	0.02	.024	118	51 - 148	M
cis-1,2-Dichloroethylene	mg/Kg	0.02	.022	108	77 - 123	M
Chloroform	mg/Kg	0.02	.022	110	78 - 123	M
1,2-Dichloroethane	mg/Kg	0.02	.021	103	73 - 128	M
1,1,1-Trichloroethane	mg/Kg	0.02	.021	106	73 - 130	M
Carbon Tetrachloride	mg/Kg	0.02	.02	101	70 - 135	M
Benzene	mg/Kg	0.02	.02	100	77 - 121	M
1,2-Dichloropropane	mg/Kg	0.02	.021	105	76 - 123	M
Trichloroethene	mg/Kg	0.02	.021	106	77 - 123	M
Bromodichloromethane	mg/Kg	0.02	.019	96	75 - 127	M
cis-1,3-Dichloropropene	mg/Kg	0.02	.02	98	74 - 126	M
4-Methyl-2-pentanone (MIBK)	mg/Kg	0.02	.024	119	65 - 135	M
trans-1,3-Dichloropropylene	mg/Kg	0.02	.02	99	71 - 130	M
1,1,2-Trichloroethane	mg/Kg	0.02	.021	103	78 - 121	M
Toluene	mg/Kg	0.02	.02	98	77 - 121	M
2-Hexanone	mg/Kg	0.02	.023	113	53 - 145	M
Dibromochloromethane	mg/Kg	0.02	.018	91	74 - 126	M
Ethylene Dibromide (EDB)	mg/Kg	0.02	.019	97	78 - 122	M
Tetrachloroethylene (PCE)	mg/Kg	0.02	.019	97	73 - 128	M
Chlorobenzene	mg/Kg	0.02	.02	98	79 - 120	M
Ethylbenzene	mg/Kg	0.02	.02	100	76 - 122	M
Bromoform	mg/Kg	0.02	.018	89	67 - 132	M
Styrene	mg/Kg	0.02	.019	93	76 - 124	M
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.021	104	70 - 124	M
Isopropylbenzene	mg/Kg	0.02	.022	112	68 - 134	M
1,3-Dichlorobenzene	mg/Kg	0.02	.021	103	77 - 121	M
1,4-Dichlorobenzene	mg/Kg	0.02	.019	96	75 - 120	M





FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4623 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301021, M2304301022, M2304301023, M2304301024, M2304301025, M2304301026, M2304301027, M2304301028, M2304301029, M2304301030, M2304301031, M2304301032, M2304301033, M2304301034, M2304301035

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichlorobenzene	mg/Kg	0.02	.019	95	78 - 121	M
1,2-Dibromo-3-Chloropropane	mg/Kg	0.02	.024	120	61 - 132	M
1,2,4-Trichlorobenzene	mg/Kg	0.02	.02	100	67 - 129	M
Xylene (Total)	mg/Kg	0.06	.057	96	78 - 124	M
1,1-Dichloropropene	mg/Kg	0.02	.021	106	76 - 125	M
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.018	92	78 - 125	M
1,2,3-Trichlorobenzene	mg/Kg	0.02	.022	109	66 - 130	M
1,2,3-Trichloropropane	mg/Kg	0.02	.018	92	73 - 125	M
1,2,4-Trimethylbenzene	mg/Kg	0.02	.021	104	75 - 123	M
1,3,5-Trimethylbenzene	mg/Kg	0.02	.021	107	73 - 124	M
1,3-Dichloropropane	mg/Kg	0.02	.019	97	77 - 121	M
2,2-Dichloropropane	mg/Kg	0.02	.021	106	67 - 133	M
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.021	105	43 - 149	M
2-Chlorotoluene	mg/Kg	0.02	.02	99	75 - 122	M
4-Chlorotoluene	mg/Kg	0.02	.02	99	72 - 124	M
Acrolein (Propenal)	mg/Kg	0.10	.097	97	10 - 150	M
Bromobenzene	mg/Kg	0.02	.02	101	78 - 121	M
Dibromomethane	mg/Kg	0.02	.019	97	78 - 125	M
Hexachlorobutadiene	mg/Kg	0.02	.02	99	61 - 135	M
Naphthalene	mg/Kg	0.02	.022	112	62 - 129	M
n-Butylbenzene	mg/Kg	0.02	.02	100	70 - 128	M
n-propylbenzene	mg/Kg	0.02	.023	115	73 - 125	M
sec-butylbenzene	mg/Kg	0.02	.02	101	73 - 126	M
Vinyl Acetate	mg/Kg	0.02	.023	115	10 - 150	M
Acrylonitrile	mg/Kg	0.02	.023	114	65 - 134	M
Iodomethane (Methyl Iodide)	mg/Kg	0.02	.02	98	10 - 150	M
tert-butylbenzene	mg/Kg	0.02	.021	105	73 - 125	M
Bromochloromethane	mg/Kg	0.02	.021	104	78 - 125	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	56	112	69 - 134	M
Bromofluorobenzene (S)	ug/L	50	51	101	79 - 126	M
Toluene-d8 (S)	ug/L	50	51	103	72 - 122	M





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Workorder: Crystal Cleaners (M2304301)

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Workorder: Crystal Cleaners (M2304301)

QC Results

QC Batch: MSVm/4629 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301001, M2304301002, M2304301003, M2304301004, M2304301036, M2304301037, M2304301038, M2304301039, M2304301040, M2304301047, M2304301048

Method Blank(4905455)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.00098 U	mg/Kg	0.0030	0.00098	M
Chloromethane	0.00074 U	mg/Kg	0.0030	0.00074	M
Vinyl Chloride	0.00051 U	mg/Kg	0.0030	0.00051	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	M
Trichlorofluoromethane	0.00041 U	mg/Kg	0.0030	0.00041	M
Acrolein (Propenal)	0.0078 U	mg/Kg	0.015	0.0078	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	M
1,1-Dichloroethylene	0.00052 U	mg/Kg	0.0030	0.00052	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	M
Carbon Disulfide	0.00054 U	mg/Kg	0.0030	0.00054	M
trans-1,2-Dichloroethylene	0.00047 U	mg/Kg	0.0030	0.00047	M
Methyl tert-butyl Ether (MTBE)	0.00043 U	mg/Kg	0.0030	0.00043	M
1,1-Dichloroethane	0.00041 U	mg/Kg	0.0030	0.00041	M
Vinyl Acetate	0.00044 U	mg/Kg	0.0030	0.00044	M
2-Butanone (MEK)	0.00074 U	mg/Kg	0.0030	0.00074	M
cis-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0030	0.00045	M
Bromochloromethane	0.00063 U	mg/Kg	0.0030	0.00063	M
Chloroform	0.00048 U	mg/Kg	0.0030	0.00048	M
2,2-Dichloropropane	0.00033 U	mg/Kg	0.0030	0.00033	M
1,2-Dichloroethane	0.00036 U	mg/Kg	0.0030	0.00036	M
1,1,1-Trichloroethane	0.00053 U	mg/Kg	0.0030	0.00053	M
1,1-Dichloropropene	0.00043 U	mg/Kg	0.0030	0.00043	M
Carbon Tetrachloride	0.00044 U	mg/Kg	0.0030	0.00044	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	M
Dibromomethane	0.00057 U	mg/Kg	0.0030	0.00057	M
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0030	0.00057	M
Trichloroethene	0.00058 U	mg/Kg	0.0030	0.00058	M
Bromodichloromethane	0.00075 U	mg/Kg	0.0030	0.00075	M

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Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4629 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301001, M2304301002, M2304301003, M2304301004, M2304301036, M2304301037, M2304301038, M2304301039, M2304301040, M2304301047, M2304301048

Parameter	Results	Units	PQL	MDL	Lab
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	M
cis-1,3-Dichloropropene	0.00036 U	mg/Kg	0.0030	0.00036	M
4-Methyl-2-pentanone (MIBK)	0.00082 U	mg/Kg	0.0030	0.00082	M
trans-1,3-Dichloropropylene	0.00038 U	mg/Kg	0.0030	0.00038	M
1,1,2-Trichloroethane	0.00032 U	mg/Kg	0.0030	0.00032	M
Toluene	0.00046 U	mg/Kg	0.0030	0.00046	M
1,3-Dichloropropane	0.00049 U	mg/Kg	0.0030	0.00049	M
2-Hexanone	0.00057 U	mg/Kg	0.0030	0.00057	M
Dibromochloromethane	0.00042 U	mg/Kg	0.0030	0.00042	M
Ethylene Dibromide (EDB)	0.00055 U	mg/Kg	0.0030	0.00055	M
Tetrachloroethylene (PCE)	0.00061 U	mg/Kg	0.0030	0.00061	M
1,1,1,2-Tetrachloroethane	0.00040 U	mg/Kg	0.0030	0.00040	M
Chlorobenzene	0.00037 U	mg/Kg	0.0030	0.00037	M
Ethylbenzene	0.00038 U	mg/Kg	0.0030	0.00038	M
Bromoform	0.00088 U	mg/Kg	0.0030	0.00088	M
Styrene	0.00032 U	mg/Kg	0.0030	0.00032	M
1,1,2,2-Tetrachloroethane	0.00085 U	mg/Kg	0.0030	0.00085	M
1,2,3-Trichloropropane	0.00079 U	mg/Kg	0.0030	0.00079	M
Isopropylbenzene	0.00068 U	mg/Kg	0.0030	0.00068	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
n-propylbenzene	0.00076 U	mg/Kg	0.0030	0.00076	M
2-Chlorotoluene	0.00075 U	mg/Kg	0.0030	0.00075	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	M
1,3,5-Trimethylbenzene	0.00083 U	mg/Kg	0.0030	0.00083	M
tert-butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	M
1,2,4-Trimethylbenzene	0.00078 U	mg/Kg	0.0030	0.00078	M
sec-butylbenzene	0.00081 U	mg/Kg	0.0030	0.00081	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0030	0.0010	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
n-Butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	M
1,2-Dibromo-3-Chloropropane	0.00060 U	mg/Kg	0.0030	0.00060	M
1,2,4-Trichlorobenzene	0.00080 U	mg/Kg	0.0030	0.00080	M





FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4629 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301001, M2304301002, M2304301003, M2304301004, M2304301036, M2304301037, M2304301038, M2304301039, M2304301040, M2304301047, M2304301048

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.00067 U	mg/Kg	0.0030	0.00067	M
Hexachlorobutadiene	0.00074 U	mg/Kg	0.0030	0.00074	M
1,2,3-Trichlorobenzene	0.00079 U	mg/Kg	0.0030	0.00079	M
Xylene (Total)	0.0011 U	mg/Kg	0.0060	0.0011	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	111	69 - 134	M
Bromofluorobenzene (S)	ug/L	50	56	111	79 - 126	M
Toluene-d8 (S)	ug/L	50	54	107	72 - 122	M

Lab Control Sample (4905457); Lab Control Sample Duplicate (4905458); Parent Lab Sample (M2304301001, M2304301002, M2304301003, M2304301004, M2304301036, M2304301037, M2304301038, M2304301039, M2304301040, M2304301047, M2304301048)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.018	90	10 - 150	.018	91	0	20	M
Chloromethane	mg/Kg	0.02	.02	100	50 - 136	.021	104	4	20	M
Vinyl Chloride	mg/Kg	0.02	.023	117	56 - 135	.023	117	1	20	M
Bromomethane	mg/Kg	0.02	.021	106	53 - 143	.022	110	3	20	M
Chloroethane	mg/Kg	0.02	.021	107	59 - 139	.022	112	5	20	M
Trichlorofluoromethane	mg/Kg	0.02	.022	109	62 - 140	.023	115	6	20	M
Acetone	mg/Kg	0.02	.022	109	36 - 164	.019	96	12	20	M
1,1-Dichloroethylene	mg/Kg	0.02	.024	119	70 - 131	.022	111	7	20	M
Methylene Chloride	mg/Kg	0.02	.017	84	70 - 128	.016	79	6	20	M
Carbon Disulfide	mg/Kg	0.02	.02	101	63 - 132	.018	91	10	20	M
trans-1,2-Dichloroethylene	mg/Kg	0.02	.024	120	74 - 125	.022	109	9	20	M
Methyl tert-butyl Ether (MT)	mg/Kg	0.02	.022	111	73 - 125	.021	103	7	20	M
1,1-Dichloroethane	mg/Kg	0.02	.024	120	76 - 125	.022	109	10	20	M
2-Butanone (MEK)	mg/Kg	0.02	.023	114	51 - 148	.021	103	10	20	M
cis-1,2-Dichloroethylene	mg/Kg	0.02	.024	120	77 - 123	.021	107	11	20	M
Chloroform	mg/Kg	0.02	.024	120	78 - 123	.022	110	8	20	M
1,2-Dichloroethane	mg/Kg	0.02	.023	113	73 - 128	.021	103	9	20	M
1,1,1-Trichloroethane	mg/Kg	0.02	.023	116	73 - 130	.021	106	9	20	M
Carbon Tetrachloride	mg/Kg	0.02	.022	110	70 - 135	.02	101	8	20	M
Benzene	mg/Kg	0.02	.022	109	77 - 121	.02	99	9	20	M
1,2-Dichloropropane	mg/Kg	0.02	.023	114	76 - 123	.021	106	7	20	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4629 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301001, M2304301002, M2304301003, M2304301004, M2304301036, M2304301037, M2304301038, M2304301039, M2304301040, M2304301047, M2304301048

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Trichloroethene	mg/Kg	0.02	.023	117	77 - 123	.021	103	13	20	M
Bromodichloromethane	mg/Kg	0.02	.021	103	75 - 127	.019	93	10	20	M
cis-1,3-Dichloropropene	mg/Kg	0.02	.02	101	74 - 126	.019	94	7	20	M
4-Methyl-2-pentanone (MIB)	mg/Kg	0.02	.021	107	65 - 135	.021	105	2	20	M
trans-1,3-Dichloropropylene	mg/Kg	0.02	.021	104	71 - 130	.019	93	11	20	M
1,1,2-Trichloroethane	mg/Kg	0.02	.021	104	78 - 121	.02	100	4	20	M
Toluene	mg/Kg	0.02	.022	109	77 - 121	.02	99	10	20	M
2-Hexanone	mg/Kg	0.02	.023	114	53 - 145	.021	106	7	20	M
Dibromochloromethane	mg/Kg	0.02	.019	97	74 - 126	.018	89	9	20	M
Ethylene Dibromide (EDB)	mg/Kg	0.02	.02	101	78 - 122	.018	92	10	20	M
Tetrachloroethylene (PCE)	mg/Kg	0.02	.022	109	73 - 128	.019	96	13	20	M
Chlorobenzene	mg/Kg	0.02	.021	106	79 - 120	.019	96	10	20	M
Ethylbenzene	mg/Kg	0.02	.022	112	76 - 122	.02	98	13	20	M
Bromoform	mg/Kg	0.02	.017	86	67 - 132	.017	83	3	20	M
Styrene	mg/Kg	0.02	.02	100	76 - 124	.018	90	11	20	M
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.021	106	70 - 124	.019	96	10	20	M
Isopropylbenzene	mg/Kg	0.02	.024	119	68 - 134	.023	113	6	20	M
1,3-Dichlorobenzene	mg/Kg	0.02	.022	109	77 - 121	.019	97	11	20	M
1,4-Dichlorobenzene	mg/Kg	0.02	.02	99	75 - 120	.018	92	7	20	M
1,2-Dichlorobenzene	mg/Kg	0.02	.019	97	78 - 121	.019	94	3	20	M
1,2-Dibromo-3-Chloropropa	mg/Kg	0.02	.022	112	61 - 132	.021	103	8	20	M
1,2,4-Trichlorobenzene	mg/Kg	0.02	.02	102	67 - 129	.02	98	4	20	M
Xylene (Total)	mg/Kg	0.06	.064	107	78 - 124	.058	97	10	20	M
1,1-Dichloropropene	mg/Kg	0.02	.023	116	76 - 125	.021	103	11	20	M
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.021	104	78 - 125	.018	90	14	20	M
1,2,3-Trichlorobenzene	mg/Kg	0.02	.02	100	66 - 130	.021	103	3	20	M
1,2,3-Trichloropropane	mg/Kg	0.02	.02	98	73 - 125	.024	118	18	20	M
1,2,4-Trimethylbenzene	mg/Kg	0.02	.022	111	75 - 123	.021	103	8	20	M
1,3,5-Trimethylbenzene	mg/Kg	0.02	.024	119	73 - 124	.022	110	8	20	M
1,3-Dichloropropane	mg/Kg	0.02	.022	108	77 - 121	.019	97	11	20	M
2,2-Dichloropropane	mg/Kg	0.02	.022	111	67 - 133	.021	104	6	20	M
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.023	114	43 - 149	.021	106	7	20	M
2-Chlorotoluene	mg/Kg	0.02	.022	109	75 - 122	.021	105	3	20	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4629 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301001, M2304301002, M2304301003, M2304301004, M2304301036, M2304301037, M2304301038, M2304301039, M2304301040, M2304301047, M2304301048

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
4-Chlorotoluene	mg/Kg	0.02	.022	109	72 - 124	.021	104	5	20	M
Acrolein (Propenal)	mg/Kg	0.10	.094	94	10 - 150	.089	89	6	20	M
Bromobenzene	mg/Kg	0.02	.022	110	78 - 121	.02	102	8	20	M
Dibromomethane	mg/Kg	0.02	.021	105	78 - 125	.019	97	8	20	M
Hexachlorobutadiene	mg/Kg	0.02	.02	100	61 - 135	.02	100	0	20	M
Naphthalene	mg/Kg	0.02	.02	98	62 - 129	.019	95	3	20	M
n-Butylbenzene	mg/Kg	0.02	.022	109	70 - 128	.021	103	5	20	M
n-propylbenzene	mg/Kg	0.02	.023	115	73 - 125	.024	118	2	20	M
sec-butylbenzene	mg/Kg	0.02	.022	108	73 - 126	.02	102	6	20	M
Vinyl Acetate	mg/Kg	0.02	.023	114	10 - 150	.022	110	4	20	M
Acrylonitrile	mg/Kg	0.02	.023	114	65 - 134	.022	111	3	20	M
Iodomethane (Methyl Iodid	mg/Kg	0.02	.02	100	10 - 150	.018	90	10	20	M
tert-butylbenzene	mg/Kg	0.02	.023	116	73 - 125	.021	107	8	20	M
Bromochloromethane	mg/Kg	0.02	.022	109	78 - 125	.02	99	9	20	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	56	111	69 - 134	56	112	1		M
Bromofluorobenzene (S)	ug/L	50	52	104	79 - 126	53	105	2		M
Toluene-d8 (S)	ug/L	50	52	104	72 - 122	52	104	0		M

Matrix Spike (4905459); Original (M2304301001); Parent Lab Sample (M2304301001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.018	92	10 - 150	M
Chloromethane	mg/Kg	0.02	.021	104	50 - 136	M
Vinyl Chloride	mg/Kg	0.02	.023	115	56 - 135	M
Bromomethane	mg/Kg	0.02	.02	102	53 - 143	M
Chloroethane	mg/Kg	0.02	.023	117	59 - 139	M
Trichlorofluoromethane	mg/Kg	0.02	.023	117	62 - 140	M
Acetone	mg/Kg	0.02	.02	102	36 - 164	M
1,1-Dichloroethylene	mg/Kg	0.02	.022	112	70 - 131	M
Methylene Chloride	mg/Kg	0.02	.016	83	70 - 128	M
Carbon Disulfide	mg/Kg	0.02	.018	93	63 - 132	M
trans-1,2-Dichloroethylene	mg/Kg	0.02	.022	110	74 - 125	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4629 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301001, M2304301002, M2304301003, M2304301004, M2304301036, M2304301037, M2304301038, M2304301039, M2304301040, M2304301047, M2304301048

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	.021	106	73 - 125	M
1,1-Dichloroethane	mg/Kg	0.02	.022	109	76 - 125	M
2-Butanone (MEK)	mg/Kg	0.02	.023	114	51 - 148	M
cis-1,2-Dichloroethylene	mg/Kg	0.02	.021	106	77 - 123	M
Chloroform	mg/Kg	0.02	.022	110	78 - 123	M
1,2-Dichloroethane	mg/Kg	0.02	.021	106	73 - 128	M
1,1,1-Trichloroethane	mg/Kg	0.02	.021	105	73 - 130	M
Carbon Tetrachloride	mg/Kg	0.02	.02	101	70 - 135	M
Benzene	mg/Kg	0.02	.02	99	77 - 121	M
1,2-Dichloropropane	mg/Kg	0.02	.021	105	76 - 123	M
Trichloroethene	mg/Kg	0.02	.021	106	77 - 123	M
Bromodichloromethane	mg/Kg	0.02	.019	98	75 - 127	M
cis-1,3-Dichloropropene	mg/Kg	0.02	.019	96	74 - 126	M
4-Methyl-2-pentanone (MIBK)	mg/Kg	0.02	.022	110	65 - 135	M
trans-1,3-Dichloropropylene	mg/Kg	0.02	.019	98	71 - 130	M
1,1,2-Trichloroethane	mg/Kg	0.02	.02	99	78 - 121	M
Toluene	mg/Kg	0.02	.02	100	77 - 121	M
2-Hexanone	mg/Kg	0.02	.022	112	53 - 145	M
Dibromochloromethane	mg/Kg	0.02	.018	92	74 - 126	M
Ethylene Dibromide (EDB)	mg/Kg	0.02	.019	96	78 - 122	M
Tetrachloroethylene (PCE)	mg/Kg	0.02	.018	92	73 - 128	M
Chlorobenzene	mg/Kg	0.02	.019	95	79 - 120	M
Ethylbenzene	mg/Kg	0.02	.019	98	76 - 122	M
Bromoform	mg/Kg	0.02	.016	82	67 - 132	M
Styrene	mg/Kg	0.02	.018	89	76 - 124	M
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.02	102	70 - 124	M
Isopropylbenzene	mg/Kg	0.02	.023	115	68 - 134	M
1,3-Dichlorobenzene	mg/Kg	0.02	.021	105	77 - 121	M
1,4-Dichlorobenzene	mg/Kg	0.02	.019	95	75 - 120	M
1,2-Dichlorobenzene	mg/Kg	0.02	.019	94	78 - 121	M
1,2-Dibromo-3-Chloropropane	mg/Kg	0.02	.021	106	61 - 132	M
1,2,4-Trichlorobenzene	mg/Kg	0.02	.02	100	67 - 129	M
Xylene (Total)	mg/Kg	0.0590	.057	97	78 - 124	M
1,1-Dichloropropene	mg/Kg	0.02	.021	107	76 - 125	M

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FINAL

Workorder: Crystal Cleaners (M2304301)

QC Batch: MSVm/4629 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304301001, M2304301002, M2304301003, M2304301004, M2304301036, M2304301037, M2304301038, M2304301039, M2304301040, M2304301047, M2304301048

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.019	94	78 - 125	M
1,2,3-Trichlorobenzene	mg/Kg	0.02	.021	105	66 - 130	M
1,2,3-Trichloropropane	mg/Kg	0.02	.024	120	73 - 125	M
1,2,4-Trimethylbenzene	mg/Kg	0.02	.021	106	75 - 123	M
1,3,5-Trimethylbenzene	mg/Kg	0.02	.022	110	73 - 124	M
1,3-Dichloropropane	mg/Kg	0.02	.019	97	77 - 121	M
2,2-Dichloropropane	mg/Kg	0.02	.02	103	67 - 133	M
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.021	105	43 - 149	M
2-Chlorotoluene	mg/Kg	0.02	.021	104	75 - 122	M
4-Chlorotoluene	mg/Kg	0.02	.02	102	72 - 124	M
Acrolein (Propenal)	mg/Kg	0.0990	.091	92	10 - 150	M
Bromobenzene	mg/Kg	0.02	.02	100	78 - 121	M
Dibromomethane	mg/Kg	0.02	.02	100	78 - 125	M
Hexachlorobutadiene	mg/Kg	0.02	.019	95	61 - 135	M
Naphthalene	mg/Kg	0.02	.02	103	62 - 129	M
n-Butylbenzene	mg/Kg	0.02	.02	103	70 - 128	M
n-propylbenzene	mg/Kg	0.02	.024	120	73 - 125	M
sec-butylbenzene	mg/Kg	0.02	.02	101	73 - 126	M
Vinyl Acetate	mg/Kg	0.02	.023	114	10 - 150	M
Acrylonitrile	mg/Kg	0.02	.023	117	65 - 134	M
Iodomethane (Methyl Iodide)	mg/Kg	0.02	.019	94	10 - 150	M
tert-butylbenzene	mg/Kg	0.02	.021	107	73 - 125	M
Bromochloromethane	mg/Kg	0.02	.02	103	78 - 125	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	112	69 - 134	M
Bromofluorobenzene (S)	ug/L	50	51	104	79 - 126	M
Toluene-d8 (S)	ug/L	50	50	102	72 - 122	M





FINAL

Workorder: Crystal Cleaners (M2304301)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVm/4612 - SW-846 8260D			
M2304301041	SB-1.05	MSVm/4611	SW-846 5035
M2304301042	SB-1.2	MSVm/4611	SW-846 5035
M2304301043	SB-1.4	MSVm/4611	SW-846 5035
M2304301044	SB-1.6	MSVm/4611	SW-846 5035
M2304301045	SB-2.05	MSVm/4611	SW-846 5035
M2304301046	SB-2.2	MSVm/4611	SW-846 5035
MSVm/4621 - SW-846 8260D			
M2304301005	MAG-2.05	MSVm/4620	SW-846 5035
M2304301006	MAG-2.2	MSVm/4620	SW-846 5035
M2304301007	MAG-2.4	MSVm/4620	SW-846 5035
M2304301008	MAG-2.6	MSVm/4620	SW-846 5035
M2304301009	MAG-3.05	MSVm/4620	SW-846 5035
M2304301010	MAG-3.2	MSVm/4620	SW-846 5035
M2304301011	MAG-3.4	MSVm/4620	SW-846 5035
M2304301012	MAG-3.6	MSVm/4620	SW-846 5035
M2304301013	MAG-4.05	MSVm/4620	SW-846 5035
M2304301014	MAG-4.2	MSVm/4620	SW-846 5035
M2304301015	MAG-4.4	MSVm/4620	SW-846 5035
M2304301016	MAG-4.6	MSVm/4620	SW-846 5035
M2304301017	MAG-5.05	MSVm/4620	SW-846 5035
M2304301018	MAG-5.2	MSVm/4620	SW-846 5035
M2304301019	MAG-5.4	MSVm/4620	SW-846 5035
M2304301020	MAG-5.6	MSVm/4620	SW-846 5035

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Workorder: Crystal Cleaners (M2304301)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVm/4623 - SW-846 8260D			
M2304301021	MAG-6.05	MSVm/4622	SW-846 5035
M2304301022	MAG-6.2	MSVm/4622	SW-846 5035
M2304301023	MAG-6.4	MSVm/4622	SW-846 5035
M2304301024	MAG-6.6	MSVm/4622	SW-846 5035
M2304301025	MAG-7.05	MSVm/4622	SW-846 5035
M2304301026	MAG-7.2	MSVm/4622	SW-846 5035
M2304301027	MAG-7.4	MSVm/4622	SW-846 5035
M2304301028	MAG-7.6	MSVm/4622	SW-846 5035
M2304301029	MAG-8.05	MSVm/4622	SW-846 5035
M2304301030	MAG-8.2	MSVm/4622	SW-846 5035
M2304301031	MAG-8.4	MSVm/4622	SW-846 5035
M2304301032	MAG-8.6	MSVm/4622	SW-846 5035
M2304301033	MAG-9.05	MSVm/4622	SW-846 5035
M2304301034	MAG-9.2	MSVm/4622	SW-846 5035
M2304301035	MAG-9.4	MSVm/4622	SW-846 5035
MSVm/4629 - SW-846 8260D			
M2304301001	MAG-1.05	MSVm/4628	SW-846 5035
M2304301002	MAG-1.2	MSVm/4628	SW-846 5035
M2304301003	MAG-1.4	MSVm/4628	SW-846 5035
M2304301004	MAG-1.6	MSVm/4628	SW-846 5035
M2304301036	MAG-9.6	MSVm/4628	SW-846 5035
M2304301037	MAG-10.05	MSVm/4628	SW-846 5035
M2304301038	MAG-10.2	MSVm/4628	SW-846 5035
M2304301039	MAG-10.4	MSVm/4628	SW-846 5035
M2304301040	MAG-10.6	MSVm/4628	SW-846 5035
M2304301047	SB-2.4	MSVm/4628	SW-846 5035
M2304301048	SB-2.6	MSVm/4628	SW-846 5035

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Workorder: Crystal Cleaners (M2304301)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAm/12684 - SM 2540G			
M2304301001	MAG-1.05		
M2304301002	MAG-1.2		
M2304301003	MAG-1.4		
M2304301004	MAG-1.6		
M2304301005	MAG-2.05		
M2304301006	MAG-2.2		
M2304301007	MAG-2.4		
M2304301008	MAG-2.6		
M2304301009	MAG-3.05		
M2304301010	MAG-3.2		
M2304301011	MAG-3.4		
M2304301012	MAG-3.6		
M2304301013	MAG-4.05		
M2304301014	MAG-4.2		
M2304301015	MAG-4.4		
M2304301016	MAG-4.6		
M2304301017	MAG-5.05		
M2304301018	MAG-5.2		
M2304301019	MAG-5.4		
M2304301020	MAG-5.6		

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Workorder: Crystal Cleaners (M2304301)

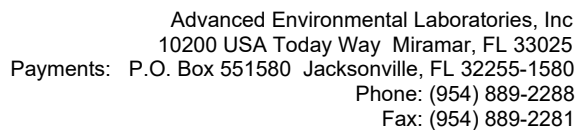
QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAm/12685 - SM 2540G			
M2304301021	MAG-6.05		
M2304301022	MAG-6.2		
M2304301023	MAG-6.4		
M2304301024	MAG-6.6		
M2304301025	MAG-7.05		
M2304301026	MAG-7.2		
M2304301027	MAG-7.4		
M2304301028	MAG-7.6		
M2304301029	MAG-8.05		
M2304301030	MAG-8.2		
M2304301031	MAG-8.4		
M2304301032	MAG-8.6		
M2304301033	MAG-9.05		
M2304301034	MAG-9.2		
M2304301035	MAG-9.4		
M2304301036	MAG-9.6		
M2304301037	MAG-10.05		
M2304301038	MAG-10.2		
M2304301039	MAG-10.4		
M2304301040	MAG-10.6		
WCAm/12686 - SM 2540G			
M2304301041	SB-1.05		
M2304301042	SB-1.2		
M2304301043	SB-1.4		
M2304301044	SB-1.6		
M2304301045	SB-2.05		
M2304301046	SB-2.2		
M2304301047	SB-2.4		
M2304301048	SB-2.6		

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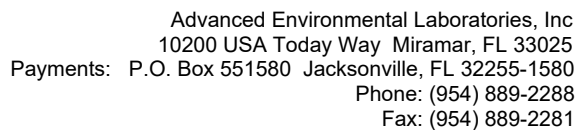


Workorder: Crystal Cleaners (M2304301)

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Workorder: Crystal Cleaners (M2304301)

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FINAL

Workorder: Crystal Cleaners (M2304301)

Advanced Environmental Laboratories, Inc.

Client Name: APTIM
Address: 725 US Hwy 301 S
Tampa, FL 33619
Phone: 813.612.3687

Project Name: Crystal Cleaners
Project Number: 631031384
PO Number: P-card
FDEP Facility No.:

Sampled by: Gregg Roberts
Turn Around Time: ☐ SI/NOHD ☐ Rush
Special Instructions: ERIC, 5171

Sample ID **Sample Description** **Grab** **DATE** **SAMPLING TIME** **MATRIX** **NO. COUNT**

Sample ID	Sample Description	Grab	DATE	SAMPLING TIME	MATRIX	NO. COUNT
MHC-84		C	8/1/23	1300	SW	5
MHC-905		C	8/1/23	1307	SW	5
MHC-912		C	8/1/23	1418	SW	5
MHC-914		C	8/1/23	1419	SW	5
MHC-916		C	8/1/23	1400	SW	5
MHC-1025		C	8/1/23	1407	SW	5
MHC-102		C	8/1/23	1400	SW	5
MHC-104		C	8/1/23	1406	SW	5
MHC-106		C	8/1/23	1410	SW	5

Mark Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = of A = air SO = soil SL = sludge

Received on Site: ☒ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked

DOB: AD-0061 Form last revised: 08/07/2019

Requisitioned by: **Date:** 8/1/23 **Time:** 1530

Received by: **Date:** 8/1/23 **Time:** 1530

Device used for measuring Temp by: **Temp. when received (observed):** 25.5 °C **Temp. when received (corrected):** 25.5 °C

FOR DRINKING WATER USE: **Contact Person:** **Supplier of Water:** **Phone:** **Site Address:**

ANALYSIS REQUIRED: 8260 VOCs (FULL LIST) 8260 VOCs HOLD pending SLP analysis

LABORATORY I.D. NUMBER:

Page 1 of 5





Advanced Environmental Laboratories, Inc
10200 USA Today Way Miramar, FL 33025
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (954) 889-2288
Fax: (954) 889-2281

FINAL

Workorder: Crystal Cleaners (M2304301)

Advanced Environmental Laboratories, Inc.

Project Name: Crystal Cleaners

Address: 726 US Hwy 301 S
City: Tampa, FL 33619
Phone: 813.612.3687
FAX:

Project Number: 631031384
PO Number: p-card
FDEP Facility No.:

Special Instructions: ERIC, 5171

Sample ID: 74305

Grab ☐ **ADAPT** ☐ **EQUS** ☐ **Other** ☐

DATE **SAMPLING** **TIME** **MATRIX** **NO.** **COUNT**

DATE	SAMPLING	TIME	MATRIX	NO.	COUNT
7/31/23	1530	5:1	5		
7/31/23	1535	5:1	5		
7/31/23	1540	5:1	5		
7/31/23	1545	5:1	5		
7/31/23	1550	5:1	5		
7/31/23	1555	5:1	5		
7/31/23	1600	5:1	5		
7/31/23	1605	5:1	5		
7/31/23	1610	5:1	5		
7/31/23	1615	5:1	5		
7/31/23	1620	5:1	5		
7/31/23	1625	5:1	5		
7/31/23	1630	5:1	5		
7/31/23	1635	5:1	5		
7/31/23	1640	5:1	5		
7/31/23	1645	5:1	5		
7/31/23	1650	5:1	5		
7/31/23	1655	5:1	5		
7/31/23	1700	5:1	5		
7/31/23	1705	5:1	5		
7/31/23	1710	5:1	5		
7/31/23	1715	5:1	5		
7/31/23	1720	5:1	5		
7/31/23	1725	5:1	5		
7/31/23	1730	5:1	5		
7/31/23	1735	5:1	5		
7/31/23	1740	5:1	5		
7/31/23	1745	5:1	5		
7/31/23	1750	5:1	5		
7/31/23	1755	5:1	5		
7/31/23	1800	5:1	5		
7/31/23	1805	5:1	5		
7/31/23	1810	5:1	5		
7/31/23	1815	5:1	5		
7/31/23	1820	5:1	5		
7/31/23	1825	5:1	5		
7/31/23	1830	5:1	5		
7/31/23	1835	5:1	5		
7/31/23	1840	5:1	5		
7/31/23	1845	5:1	5		
7/31/23	1850	5:1	5		
7/31/23	1855	5:1	5		
7/31/23	1900	5:1	5		
7/31/23	1905	5:1	5		
7/31/23	1910	5:1	5		
7/31/23	1915	5:1	5		
7/31/23	1920	5:1	5		
7/31/23	1925	5:1	5		
7/31/23	1930	5:1	5		
7/31/23	1935	5:1	5		
7/31/23	1940	5:1	5		
7/31/23	1945	5:1	5		
7/31/23	1950	5:1	5		
7/31/23	1955	5:1	5		
7/31/23	2000	5:1	5		
7/31/23	2005	5:1	5		
7/31/23	2010	5:1	5		
7/31/23	2015	5:1	5		
7/31/23	2020	5:1	5		
7/31/23	2025	5:1	5		
7/31/23	2030	5:1	5		
7/31/23	2035	5:1	5		
7/31/23	2040	5:1	5		
7/31/23	2045	5:1	5		
7/31/23	2050	5:1	5		
7/31/23	2055	5:1	5		
7/31/23	2100	5:1	5		
7/31/23	2105	5:1	5		
7/31/23	2110	5:1	5		
7/31/23	2115	5:1	5		
7/31/23	2120	5:1	5		
7/31/23	2125	5:1	5		
7/31/23	2130	5:1	5		
7/31/23	2135	5:1	5		
7/31/23	2140	5:1	5		
7/31/23	2145	5:1	5		
7/31/23	2150	5:1	5		
7/31/23	2155	5:1	5		
7/31/23	2200	5:1	5		
7/31/23	2205	5:1	5		
7/31/23	2210	5:1	5		
7/31/23	2215	5:1	5		
7/31/23	2220	5:1	5		
7/31/23	2225	5:1	5		
7/31/23	2230	5:1	5		
7/31/23	2235	5:1	5		
7/31/23	2240	5:1	5		
7/31/23	2245	5:1	5		
7/31/23	2250	5:1	5		
7/31/23	2255	5:1	5		
7/31/23	2300	5:1	5		
7/31/23	2305	5:1	5		
7/31/23	2310	5:1	5		
7/31/23	2315	5:1	5		
7/31/23	2320	5:1	5		
7/31/23	2325	5:1	5		
7/31/23	2330	5:1	5		
7/31/23	2335	5:1	5		
7/31/23	2340	5:1	5		
7/31/23	2345	5:1	5		
7/31/23	2350	5:1	5		
7/31/23	2355	5:1	5		
7/31/23	2400	5:1	5		
7/31/23	2405	5:1	5		
7/31/23	2410	5:1	5		
7/31/23	2415	5:1	5		
7/31/23	2420	5:1	5		
7/31/23	2425	5:1	5		
7/31/23	2430	5:1	5		
7/31/23	2435	5:1	5		
7/31/23	2440	5:1	5		
7/31/23	2445	5:1	5		
7/31/23	2450	5:1	5		
7/31/23	2455	5:1	5		
7/31/23	2500	5:1	5		
7/31/23	2505	5:1	5		
7/31/23	2510	5:1	5		
7/31/23	2515	5:1	5		
7/31/23	2520	5:1	5		
7/31/23	2525	5:1	5		
7/31/23	2530	5:1	5		
7/31/23	2535	5:1	5		
7/31/23	2540	5:1	5		
7/31/23	2545	5:1	5		
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7/31/23	2555	5:1	5		
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7/31/23	2605	5:1	5		
7/31/23	2610	5:1	5		
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7/31/23	2700	5:1	5		
7/31/23	2705	5:1	5		
7/31/23	2710	5:1	5		
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7/31/23	2820	5:1	5		
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7/31/23	2835	5:1	5		
7/31/23	2840	5:1	5		
7/31/23	2845	5:1	5		
7/31/23	2850	5:1	5		
7/31/23	2855	5:1	5		
7/31/23	2900	5:1	5		
7/31/23	2905	5:1	5		
7/31/23	2910	5:1	5		
7/31/23	2915	5:1	5		
7/31/23	2920	5:1	5		
7/31/23	2925	5:1	5		
7/31/23	2930	5:1	5		
7/31/23	2935	5:1	5		
7/31/23	2940	5:1	5		
7/31/23	2945	5:1	5		
7/31/23	2950	5:1	5		
7/31/23	2955	5:1	5		
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7/31/23	3005	5:1	5		
7/31/23	3010	5:1	5		
7/31/23	3015	5:1	5		
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7/31/23	3025	5:1	5		
7/31/23	3030	5:1	5		
7/31/23	3035	5:1	5		
7/31/23	3040	5:1	5		
7/31/23	3045	5:1	5		
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7/31/23	3225	5:1	5		
7/31/23	3230	5:1	5		
7/31/23	3235	5:1	5		
7/31/23	3240	5:1	5		
7/31/23	3245	5:1	5		
7/31/23	3250	5:1	5		
7/31/23	3255	5:1	5		
7/31/23	3300	5:1	5		
7/31/23	3305	5:1	5		
7/31/23	3310	5:1	5		
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7/31/23	3320	5:1	5		
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7/31/23	3345	5:1	5		
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7/31/23	3355	5:1	5		
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7/31/23	3445	5:1	5		
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7/31/23	3540	5:1	5		
7/31/23	3545	5:1	5		
7/31/23	3550	5:1	5		
7/31/23	3555	5:1	5		
7/31/23	3600	5:1	5		
7/31/23	3605	5:1	5		
7/31/23	3610	5:1	5		
7/31/23	3615	5:1	5		
7/31/23	3620	5:1	5</		

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

APTIM

(Air)Crystal Cleaners

West Palm Beach, FL

SGS Job Number: TD86414

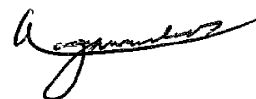
Sampling Date: 08/01/23



Report to:

APTIM
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787
neaundra.wyatt@sgs.com; Eric.Kramer@aptim.com;
kurtis.mcdonald@aptim.com; Gregg.roberts@aptim.com
ATTN: Eric Kramer

Total number of pages in report: 45

Kesavalu Bagawandoss
General Manager

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Client Service contact: Neaundra Wyatt 713-271-4700
Certifications: TX (T104704220-22-46) AR (21-045-0) AZ (AZ0769) FL (E87628)
KS (E-10366) LA (85695/04004) NJ (TX010) OK (2021-158) VA (11647)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

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Sample Summary

APTIM

Job No: TD86414

(Air)Crystal Cleaners
Project No: West Palm Beach, FL

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
TD86414-1	08/01/23	20:12	08/03/23	AIR	Air	MAG-1
TD86414-2	08/01/23	20:52	08/03/23	AIR	Air	MAG-2
TD86414-3	08/01/23	21:32	08/03/23	AIR	Air	MAG-3
TD86414-4	08/01/23	22:12	08/03/23	AIR	Air	MAG-4
TD86414-5	08/01/23	22:50	08/03/23	AIR	Air	MAG-5

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: APTIM

Job No: TD86414

Site: (Air)Crystal Cleaners

Report Date 8/16/2023 3:05:06 PM

5 Samples were collected on 08/01/2023 and received intact at SGS North America Inc (SGS) on 08/03/2023 and properly preserved in 1 cooler at 24.5 Deg C. The samples received an SGS job number of TD86414. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Your samples were received in Tedlar bag, a sampling container not specified in EPA Methods TO-15 and TO-3.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR

Batch ID: VIL1024

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample TD86407-2DUP was used as the QC sample indicated.
- Sample(s) TD86414-1, TD86414-2, TD86414-3, TD86414-4, TD86414-5 have compounds reported with "D" qualifiers indicating results from the diluted analysis.
- RPD(s) for Duplicate for n-Butylbenzene, Propene, Tetrachloroethene, Vinyl acetate are outside control limits for sample TD86407-2DUP. High RPD due to sample level below Reporting Limits.
- The following compounds are not Florida NELAP certified: Bromodichloromethane, 4-Ethyltoluene, Acetone, Ethyl Acetate, Acrolein, Ethanol, Carbon disulfide, Carbon tetrachloride, Cyclohexane, Di-Isopropyl ether, Dibromochloromethane, Acrylonitrile, Tetrahydrofuran, Ethyl tert-Butyl Ether, Hexane, Isopropanol, Isopropylbenzene, Methyl methacrylate, n-Butylbenzene, n-propylbenzene, Naphthalene, Pentane, Propene, sec-Butylbenzene, t-Butyl Alcohol, Allyl Chloride and Ter Amyl Methyl Ether.

SGS certifies that this report meets the project requirements for analytical data produced for the samples as received at SGS and as stated on the COC. SGS certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SGS Quality Manual except as noted above. This report is to be used in its entirety. SGS is not responsible for any assumptions of data quality if partial data packages are used.

Summary of Hits

Job Number: TD86414
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/01/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
TD86414-1	MAG-1					
Acetone ^a		234	16	0.23	ppbv	TO-15
Acrolein ^a		0.61 I	1.0	0.049	ppbv	TO-15
Acrylonitrile ^a		0.12 I	1.0	0.031	ppbv	TO-15
1,3-Butadiene		0.14 I	2.0	0.028	ppbv	TO-15
Benzene		0.45 I	1.0	0.016	ppbv	TO-15
Benzyl Chloride		0.030 I	1.0	0.0086	ppbv	TO-15
Bromodichloromethane ^a		0.050 I	1.0	0.019	ppbv	TO-15
2-Butanone		1.2	1.0	0.024	ppbv	TO-15
Carbon disulfide ^a		0.22 I	1.0	0.012	ppbv	TO-15
Carbon tetrachloride ^a		0.070 I	1.0	0.021	ppbv	TO-15
Chlorobenzene		0.033 I	1.0	0.018	ppbv	TO-15
Chloroform		2.0	1.0	0.017	ppbv	TO-15
Chloromethane		0.31 I	1.0	0.027	ppbv	TO-15
Cyclohexane ^a		0.24 I	1.0	0.019	ppbv	TO-15
1,4-Dioxane		0.054 I	1.0	0.014	ppbv	TO-15
Dichlorodifluoromethane		0.55 I	1.0	0.022	ppbv	TO-15
trans-1,2-Dichloroethene		0.054 I	1.0	0.020	ppbv	TO-15
1,3-Dichlorobenzene		0.18 I	1.0	0.016	ppbv	TO-15
1,2-Dichlorotetrafluoroethane		0.020 I	1.0	0.020	ppbv	TO-15
Ethanol ^a		153	16	0.56	ppbv	TO-15
Ethylbenzene		0.18 I	1.0	0.017	ppbv	TO-15
Ethyl Acetate ^a		0.25 I	1.0	0.039	ppbv	TO-15
4-Ethyltoluene ^a		0.069 I	2.0	0.028	ppbv	TO-15
Heptane		0.31 I	1.0	0.015	ppbv	TO-15
Hexane ^a		4.4	1.0	0.018	ppbv	TO-15
2-Hexanone ^a		0.13 I	1.0	0.025	ppbv	TO-15
Isopropanol ^a		52.4	4.0	0.056	ppbv	TO-15
p-Isopropyltoluene ^b		0.044 I	1.0	0.014	ppbv	TO-15
Methylene chloride		65.3	2.0	0.054	ppbv	TO-15
4-Methyl-2-pentanone		0.055 I	1.0	0.016	ppbv	TO-15
Naphthalene ^a		0.091 I	1.0	0.027	ppbv	TO-15
Pentane ^a		1.1	1.0	0.023	ppbv	TO-15
n-Propylbenzene ^a		0.034 I	1.0	0.017	ppbv	TO-15
Propene ^a		1.8	1.0	0.16	ppbv	TO-15
Styrene		0.18 I	1.0	0.014	ppbv	TO-15
1,1,1-Trichloroethane		0.025 I	1.0	0.022	ppbv	TO-15
1,1,2-Trichlorotrifluoroethane		0.077 I	1.0	0.026	ppbv	TO-15
1,2,4-Trimethylbenzene		0.28 I	1.0	0.010	ppbv	TO-15
1,3,5-Trimethylbenzene		0.052 I	1.0	0.013	ppbv	TO-15
2,2,4-Trimethylpentane		0.13 I	1.0	0.014	ppbv	TO-15
t-Butyl Alcohol ^a		0.91 I	2.0	0.013	ppbv	TO-15
Tetrachloroethene		38.4	2.0	0.055	ppbv	TO-15
Tetrahydrofuran ^a		0.71 I	1.0	0.028	ppbv	TO-15

Summary of Hits

Job Number: TD86414
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/01/23

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Toluene		3.7	1.0	0.018	ppbv	TO-15
Trichloroethene		0.070 I	1.0	0.025	ppbv	TO-15
Trichlorofluoromethane		0.23 I	1.0	0.021	ppbv	TO-15
Vinyl acetate		0.20 I	1.0	0.022	ppbv	TO-15
Vinyl chloride		0.037 I	1.0	0.024	ppbv	TO-15
m,p-Xylene		0.64 I	1.0	0.023	ppbv	TO-15
o-Xylene		0.22 I	1.0	0.011	ppbv	TO-15
Xylenes, Total		0.86 I	1.0	0.023	ppbv	TO-15
Acetone ^a		556	38	0.55	ug/m3	TO-15
Acrolein ^a		1.4 I	2.3	0.11	ug/m3	TO-15
Acrylonitrile ^a		0.26 I	2.2	0.067	ug/m3	TO-15
1,3-Butadiene		0.31 I	4.4	0.062	ug/m3	TO-15
Benzene		1.4 I	3.2	0.051	ug/m3	TO-15
Benzyl Chloride		0.15 I	5.2	0.044	ug/m3	TO-15
Bromodichloromethane ^a		0.33 I	6.7	0.13	ug/m3	TO-15
2-Butanone		3.5	2.9	0.071	ug/m3	TO-15
Carbon disulfide ^a		0.69 I	3.1	0.037	ug/m3	TO-15
Carbon tetrachloride ^a		0.44 I	6.3	0.13	ug/m3	TO-15
Chlorobenzene		0.15 I	4.6	0.083	ug/m3	TO-15
Chloroform		9.8	4.9	0.083	ug/m3	TO-15
Chloromethane		0.64 I	2.1	0.056	ug/m3	TO-15
Cyclohexane ^a		0.83 I	3.4	0.065	ug/m3	TO-15
1,4-Dioxane		0.19 I	3.6	0.050	ug/m3	TO-15
Dichlorodifluoromethane		2.7 I	4.9	0.11	ug/m3	TO-15
trans-1,2-Dichloroethene		0.21 I	4.0	0.079	ug/m3	TO-15
1,3-Dichlorobenzene		1.1 I	6.0	0.096	ug/m3	TO-15
1,2-Dichlorotetrafluoroethane		0.14 I	7.0	0.14	ug/m3	TO-15
Ethanol ^a		288	30	1.1	ug/m3	TO-15
Ethylbenzene		0.78 I	4.3	0.074	ug/m3	TO-15
Ethyl Acetate ^a		0.90 I	3.6	0.14	ug/m3	TO-15
4-Ethyltoluene ^a		0.34 I	9.8	0.14	ug/m3	TO-15
Heptane		1.3 I	4.1	0.061	ug/m3	TO-15
Hexane ^a		16	3.5	0.063	ug/m3	TO-15
2-Hexanone ^a		0.53 I	4.1	0.10	ug/m3	TO-15
Isopropanol ^a		129	9.8	0.14	ug/m3	TO-15
p-Isopropyltoluene ^b		0.24 I	5.5	0.077	ug/m3	TO-15
Methylene chloride		227	6.9	0.19	ug/m3	TO-15
4-Methyl-2-pentanone		0.23 I	4.1	0.066	ug/m3	TO-15
Naphthalene ^a		0.48 I	5.2	0.14	ug/m3	TO-15
Pentane ^a		3.2	2.9	0.068	ug/m3	TO-15
n-Propylbenzene ^a		0.17 I	4.9	0.083	ug/m3	TO-15
Propene ^a		3.1	1.7	0.27	ug/m3	TO-15
Styrene		0.77 I	4.3	0.060	ug/m3	TO-15
1,1,1-Trichloroethane		0.14 I	5.5	0.12	ug/m3	TO-15
1,1,2-Trichlorotrifluoroethane		0.59 I	7.7	0.20	ug/m3	TO-15

Summary of Hits

Job Number: TD86414
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/01/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
1,2,4-Trimethylbenzene		1.4 I	4.9	0.049	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.26 I	4.9	0.064	ug/m3	TO-15
2,2,4-Trimethylpentane		0.61 I	4.7	0.065	ug/m3	TO-15
t-Butyl Alcohol ^a		2.8 I	6.1	0.039	ug/m3	TO-15
Tetrachloroethene		260	14	0.37	ug/m3	TO-15
Tetrahydrofuran ^a		2.1 I	2.9	0.082	ug/m3	TO-15
Toluene		14	3.8	0.068	ug/m3	TO-15
Trichloroethene		0.38 I	5.4	0.13	ug/m3	TO-15
Trichlorofluoromethane		1.3 I	5.6	0.12	ug/m3	TO-15
Vinyl acetate		0.70 I	3.5	0.077	ug/m3	TO-15
Vinyl chloride		0.095 I	2.6	0.061	ug/m3	TO-15
m,p-Xylene		2.8 I	4.3	0.10	ug/m3	TO-15
o-Xylene		0.96 I	4.3	0.048	ug/m3	TO-15
Xylenes, Total		3.7 I	4.3	0.10	ug/m3	TO-15

TD86414-2 MAG-2

Acetone ^a	254	16	0.23	ppbv	TO-15
Acrolein ^a	0.70 I	1.0	0.049	ppbv	TO-15
Acrylonitrile ^a	0.11 I	1.0	0.031	ppbv	TO-15
1,3-Butadiene	0.35 I	2.0	0.028	ppbv	TO-15
Benzene	1.4	1.0	0.016	ppbv	TO-15
Benzyl Chloride	0.026 I	1.0	0.0086	ppbv	TO-15
Bromodichloromethane ^a	0.043 I	1.0	0.019	ppbv	TO-15
2-Butanone	1.5	1.0	0.024	ppbv	TO-15
Carbon disulfide ^a	0.23 I	1.0	0.012	ppbv	TO-15
Carbon tetrachloride ^a	0.088 I	1.0	0.021	ppbv	TO-15
Chlorobenzene	0.057 I	1.0	0.018	ppbv	TO-15
Chloroform	3.1	1.0	0.017	ppbv	TO-15
Chloromethane	0.29 I	1.0	0.027	ppbv	TO-15
Cyclohexane ^a	0.41 I	1.0	0.019	ppbv	TO-15
1,2-Dichloroethane	0.026 I	1.0	0.017	ppbv	TO-15
1,4-Dioxane	0.054 I	1.0	0.014	ppbv	TO-15
Dichlorodifluoromethane	0.53 I	1.0	0.022	ppbv	TO-15
trans-1,2-Dichloroethene	0.059 I	1.0	0.020	ppbv	TO-15
1,3-Dichlorobenzene	0.26 I	1.0	0.016	ppbv	TO-15
1,4-Dichlorobenzene	0.023 I	1.0	0.018	ppbv	TO-15
Ethanol ^a	178	16	0.56	ppbv	TO-15
Ethylbenzene	0.34 I	1.0	0.017	ppbv	TO-15
Ethyl Acetate ^a	0.23 I	1.0	0.039	ppbv	TO-15
4-Ethyltoluene ^a	0.12 I	2.0	0.028	ppbv	TO-15
Heptane	0.51 I	1.0	0.015	ppbv	TO-15
Hexane ^a	5.5	1.0	0.018	ppbv	TO-15
2-Hexanone ^a	0.16 I	1.0	0.025	ppbv	TO-15
Isopropylbenzene ^a	0.026 I	1.0	0.019	ppbv	TO-15

Summary of Hits

Job Number: TD86414
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/01/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Isopropanol ^a		93.2	8.0	0.11	ppbv	TO-15
p-Isopropyltoluene ^b		0.073 I	1.0	0.014	ppbv	TO-15
Methylene chloride		68.6	4.0	0.11	ppbv	TO-15
4-Methyl-2-pentanone		0.077 I	1.0	0.016	ppbv	TO-15
Naphthalene ^a		0.084 I	1.0	0.027	ppbv	TO-15
Pentane ^a		2.2	1.0	0.023	ppbv	TO-15
n-Propylbenzene ^a		0.053 I	1.0	0.017	ppbv	TO-15
Propene ^a		3.9	1.0	0.16	ppbv	TO-15
Styrene		0.23 I	1.0	0.014	ppbv	TO-15
1,1,2-Trichlorotrifluoroethane		0.072 I	1.0	0.026	ppbv	TO-15
1,2,4-Trimethylbenzene		0.42 I	1.0	0.010	ppbv	TO-15
1,3,5-Trimethylbenzene		0.086 I	1.0	0.013	ppbv	TO-15
2,2,4-Trimethylpentane		0.28 I	1.0	0.014	ppbv	TO-15
t-Butyl Alcohol ^a		1.2 I	2.0	0.013	ppbv	TO-15
Tetrachloroethene		18.5	1.0	0.027	ppbv	TO-15
Tetrahydrofuran ^a		1.0	1.0	0.028	ppbv	TO-15
Toluene		5.8	1.0	0.018	ppbv	TO-15
Trichloroethene		0.030 I	1.0	0.025	ppbv	TO-15
Trichlorofluoromethane		0.22 I	1.0	0.021	ppbv	TO-15
Vinyl acetate		0.16 I	1.0	0.022	ppbv	TO-15
Vinyl chloride		0.043 I	1.0	0.024	ppbv	TO-15
m,p-Xylene		1.2	1.0	0.023	ppbv	TO-15
o-Xylene		0.40 I	1.0	0.011	ppbv	TO-15
Xylenes, Total		1.6	1.0	0.023	ppbv	TO-15
Acetone ^a		603	38	0.55	ug/m3	TO-15
Acrolein ^a		1.6 I	2.3	0.11	ug/m3	TO-15
Acrylonitrile ^a		0.24 I	2.2	0.067	ug/m3	TO-15
1,3-Butadiene		0.77 I	4.4	0.062	ug/m3	TO-15
Benzene		4.5	3.2	0.051	ug/m3	TO-15
Benzyl Chloride		0.13 I	5.2	0.044	ug/m3	TO-15
Bromodichloromethane ^a		0.29 I	6.7	0.13	ug/m3	TO-15
2-Butanone		4.4	2.9	0.071	ug/m3	TO-15
Carbon disulfide ^a		0.72 I	3.1	0.037	ug/m3	TO-15
Carbon tetrachloride ^a		0.55 I	6.3	0.13	ug/m3	TO-15
Chlorobenzene		0.26 I	4.6	0.083	ug/m3	TO-15
Chloroform		15	4.9	0.083	ug/m3	TO-15
Chloromethane		0.60 I	2.1	0.056	ug/m3	TO-15
Cyclohexane ^a		1.4 I	3.4	0.065	ug/m3	TO-15
1,2-Dichloroethane		0.11 I	4.0	0.069	ug/m3	TO-15
1,4-Dioxane		0.19 I	3.6	0.050	ug/m3	TO-15
Dichlorodifluoromethane		2.6 I	4.9	0.11	ug/m3	TO-15
trans-1,2-Dichloroethene		0.23 I	4.0	0.079	ug/m3	TO-15
1,3-Dichlorobenzene		1.6 I	6.0	0.096	ug/m3	TO-15
1,4-Dichlorobenzene		0.14 I	6.0	0.11	ug/m3	TO-15
Ethanol ^a		335	30	1.1	ug/m3	TO-15

Summary of Hits

Job Number: TD86414
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/01/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Ethylbenzene		1.5 I	4.3	0.074	ug/m3	TO-15
Ethyl Acetate ^a		0.83 I	3.6	0.14	ug/m3	TO-15
4-Ethyltoluene ^a		0.59 I	9.8	0.14	ug/m3	TO-15
Heptane		2.1 I	4.1	0.061	ug/m3	TO-15
Hexane ^a		19	3.5	0.063	ug/m3	TO-15
2-Hexanone ^a		0.65 I	4.1	0.10	ug/m3	TO-15
Isopropylbenzene ^a		0.13 I	4.9	0.093	ug/m3	TO-15
Isopropanol ^a		229	20	0.27	ug/m3	TO-15
p-Isopropyltoluene ^b		0.40 I	5.5	0.077	ug/m3	TO-15
Methylene chloride		238	14	0.38	ug/m3	TO-15
4-Methyl-2-pentanone		0.32 I	4.1	0.066	ug/m3	TO-15
Naphthalene ^a		0.44 I	5.2	0.14	ug/m3	TO-15
Pentane ^a		6.5	2.9	0.068	ug/m3	TO-15
n-Propylbenzene ^a		0.26 I	4.9	0.083	ug/m3	TO-15
Propene ^a		6.7	1.7	0.27	ug/m3	TO-15
Styrene		0.98 I	4.3	0.060	ug/m3	TO-15
1,1,2-Trichlorotrifluoroethane		0.55 I	7.7	0.20	ug/m3	TO-15
1,2,4-Trimethylbenzene		2.1 I	4.9	0.049	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.42 I	4.9	0.064	ug/m3	TO-15
2,2,4-Trimethylpentane		1.3 I	4.7	0.065	ug/m3	TO-15
t-Butyl Alcohol ^a		3.6 I	6.1	0.039	ug/m3	TO-15
Tetrachloroethene		125	6.8	0.18	ug/m3	TO-15
Tetrahydrofuran ^a		2.9	2.9	0.082	ug/m3	TO-15
Toluene		22	3.8	0.068	ug/m3	TO-15
Trichloroethene		0.16 I	5.4	0.13	ug/m3	TO-15
Trichlorofluoromethane		1.2 I	5.6	0.12	ug/m3	TO-15
Vinyl acetate		0.56 I	3.5	0.077	ug/m3	TO-15
Vinyl chloride		0.11 I	2.6	0.061	ug/m3	TO-15
m,p-Xylene		5.2	4.3	0.10	ug/m3	TO-15
o-Xylene		1.7 I	4.3	0.048	ug/m3	TO-15
Xylenes, Total		6.9	4.3	0.10	ug/m3	TO-15

TD86414-3 MAG-3

Acetone ^a	224	16	0.23	ppbv	TO-15
Acrolein ^a	0.93 I	1.0	0.049	ppbv	TO-15
Acrylonitrile ^a	0.19 I	1.0	0.031	ppbv	TO-15
1,3-Butadiene	0.60 I	2.0	0.028	ppbv	TO-15
Benzene	2.6	1.0	0.016	ppbv	TO-15
Benzyl Chloride	0.040 I	1.0	0.0086	ppbv	TO-15
Bromodichloromethane ^a	0.22 I	1.0	0.019	ppbv	TO-15
2-Butanone	1.4	1.0	0.024	ppbv	TO-15
Carbon disulfide ^a	0.20 I	1.0	0.012	ppbv	TO-15
Carbon tetrachloride ^a	0.077 I	1.0	0.021	ppbv	TO-15
Chloroform	7.1	1.0	0.017	ppbv	TO-15

Summary of Hits

Job Number: TD86414
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/01/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Chloromethane		0.34 I	1.0	0.027	ppbv	TO-15
Cyclohexane ^a		0.74 I	1.0	0.019	ppbv	TO-15
Dichlorodifluoromethane		0.53 I	1.0	0.022	ppbv	TO-15
trans-1,2-Dichloroethene		0.021 I	1.0	0.020	ppbv	TO-15
1,3-Dichlorobenzene		0.29 I	1.0	0.016	ppbv	TO-15
Ethanol ^a		140	8.0	0.28	ppbv	TO-15
Ethylbenzene		0.32 I	1.0	0.017	ppbv	TO-15
4-Ethyltoluene ^a		0.088 I	2.0	0.028	ppbv	TO-15
Heptane		0.66 I	1.0	0.015	ppbv	TO-15
Hexane ^a		36.0	1.0	0.018	ppbv	TO-15
2-Hexanone ^a		0.16 I	1.0	0.025	ppbv	TO-15
Isopropylbenzene ^a		0.022 I	1.0	0.019	ppbv	TO-15
Isopropanol ^a		146	16	0.23	ppbv	TO-15
p-Isopropyltoluene ^b		0.063 I	1.0	0.014	ppbv	TO-15
Methylene chloride		76.5	4.0	0.11	ppbv	TO-15
4-Methyl-2-pentanone		0.089 I	1.0	0.016	ppbv	TO-15
Naphthalene ^a		0.061 I	1.0	0.027	ppbv	TO-15
Pentane ^a		3.7	1.0	0.023	ppbv	TO-15
n-Propylbenzene ^a		0.050 I	1.0	0.017	ppbv	TO-15
Propene ^a		6.3	1.0	0.16	ppbv	TO-15
Styrene		0.23 I	1.0	0.014	ppbv	TO-15
1,1,2-Trichlorotrifluoroethane		0.086 I	1.0	0.026	ppbv	TO-15
1,2,4-Trimethylbenzene		0.34 I	1.0	0.010	ppbv	TO-15
1,3,5-Trimethylbenzene		0.074 I	1.0	0.013	ppbv	TO-15
2,2,4-Trimethylpentane		0.39 I	1.0	0.014	ppbv	TO-15
t-Butyl Alcohol ^a		2.5	2.0	0.013	ppbv	TO-15
Tetrachloroethene		17.1	1.0	0.027	ppbv	TO-15
Tetrahydrofuran ^a		1.1	1.0	0.028	ppbv	TO-15
Toluene		7.1	1.0	0.018	ppbv	TO-15
Trichloroethene		0.033 I	1.0	0.025	ppbv	TO-15
Trichlorofluoromethane		0.23 I	1.0	0.021	ppbv	TO-15
Vinyl acetate		0.33 I	1.0	0.022	ppbv	TO-15
Vinyl chloride		0.041 I	1.0	0.024	ppbv	TO-15
m,p-Xylene		1.2	1.0	0.023	ppbv	TO-15
o-Xylene		0.38 I	1.0	0.011	ppbv	TO-15
Xylenes, Total		1.5	1.0	0.023	ppbv	TO-15
Acetone ^a		532	38	0.55	ug/m3	TO-15
Acrolein ^a		2.1 I	2.3	0.11	ug/m3	TO-15
Acrylonitrile ^a		0.41 I	2.2	0.067	ug/m3	TO-15
1,3-Butadiene		1.3 I	4.4	0.062	ug/m3	TO-15
Benzene		8.3	3.2	0.051	ug/m3	TO-15
Benzyl Chloride		0.21 I	5.2	0.044	ug/m3	TO-15
Bromodichloromethane ^a		1.5 I	6.7	0.13	ug/m3	TO-15
2-Butanone		4.1	2.9	0.071	ug/m3	TO-15
Carbon disulfide ^a		0.62 I	3.1	0.037	ug/m3	TO-15

Summary of Hits

Job Number: TD86414
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/01/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Carbon tetrachloride ^a		0.48 I	6.3	0.13	ug/m3	TO-15
Chloroform		35	4.9	0.083	ug/m3	TO-15
Chloromethane		0.70 I	2.1	0.056	ug/m3	TO-15
Cyclohexane ^a		2.5 I	3.4	0.065	ug/m3	TO-15
Dichlorodifluoromethane		2.6 I	4.9	0.11	ug/m3	TO-15
trans-1,2-Dichloroethene		0.083 I	4.0	0.079	ug/m3	TO-15
1,3-Dichlorobenzene		1.7 I	6.0	0.096	ug/m3	TO-15
Ethanol ^a		263	15	0.53	ug/m3	TO-15
Ethylbenzene		1.4 I	4.3	0.074	ug/m3	TO-15
4-Ethyltoluene ^a		0.43 I	9.8	0.14	ug/m3	TO-15
Heptane		2.7 I	4.1	0.061	ug/m3	TO-15
Hexane ^a		127	3.5	0.063	ug/m3	TO-15
2-Hexanone ^a		0.65 I	4.1	0.10	ug/m3	TO-15
Isopropylbenzene ^a		0.11 I	4.9	0.093	ug/m3	TO-15
Isopropanol ^a		358	39	0.56	ug/m3	TO-15
p-Isopropyltoluene ^b		0.35 I	5.5	0.077	ug/m3	TO-15
Methylene chloride		266	14	0.38	ug/m3	TO-15
4-Methyl-2-pentanone		0.36 I	4.1	0.066	ug/m3	TO-15
Naphthalene ^a		0.32 I	5.2	0.14	ug/m3	TO-15
Pentane ^a		11	2.9	0.068	ug/m3	TO-15
n-Propylbenzene ^a		0.25 I	4.9	0.083	ug/m3	TO-15
Propene ^a		11	1.7	0.27	ug/m3	TO-15
Styrene		0.98 I	4.3	0.060	ug/m3	TO-15
1,1,2-Trichlorotrifluoroethane		0.66 I	7.7	0.20	ug/m3	TO-15
1,2,4-Trimethylbenzene		1.7 I	4.9	0.049	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.36 I	4.9	0.064	ug/m3	TO-15
2,2,4-Trimethylpentane		1.8 I	4.7	0.065	ug/m3	TO-15
t-Butyl Alcohol ^a		7.6	6.1	0.039	ug/m3	TO-15
Tetrachloroethene		116	6.8	0.18	ug/m3	TO-15
Tetrahydrofuran ^a		3.2	2.9	0.082	ug/m3	TO-15
Toluene		27	3.8	0.068	ug/m3	TO-15
Trichloroethene		0.18 I	5.4	0.13	ug/m3	TO-15
Trichlorofluoromethane		1.3 I	5.6	0.12	ug/m3	TO-15
Vinyl acetate		1.2 I	3.5	0.077	ug/m3	TO-15
Vinyl chloride		0.10 I	2.6	0.061	ug/m3	TO-15
m,p-Xylene		5.2	4.3	0.10	ug/m3	TO-15
o-Xylene		1.7 I	4.3	0.048	ug/m3	TO-15
Xylenes, Total		6.5	4.3	0.10	ug/m3	TO-15

TD86414-4 MAG-4

Acetone ^a	261	16	0.23	ppbv	TO-15
Acrolein ^a	0.96 I	1.6	0.078	ppbv	TO-15
Acrylonitrile ^a	0.12 I	1.6	0.049	ppbv	TO-15
1,3-Butadiene	0.18 I	3.2	0.044	ppbv	TO-15

Summary of Hits

Job Number: TD86414
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/01/23

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Benzene		0.57 I	1.6	0.026	ppbv	TO-15
Benzyl Chloride		0.051 I	1.6	0.014	ppbv	TO-15
Bromodichloromethane ^a		0.075 I	1.6	0.031	ppbv	TO-15
2-Butanone		1.4 I	1.6	0.038	ppbv	TO-15
Carbon disulfide ^a		0.19 I	1.6	0.020	ppbv	TO-15
Carbon tetrachloride ^a		0.059 I	1.6	0.033	ppbv	TO-15
Chloroform		0.74 I	1.6	0.028	ppbv	TO-15
Chloromethane		0.32 I	1.6	0.044	ppbv	TO-15
Cyclohexane ^a		0.74 I	1.6	0.031	ppbv	TO-15
Dichlorodifluoromethane		0.51 I	1.6	0.035	ppbv	TO-15
1,3-Dichlorobenzene		0.26 I	1.6	0.025	ppbv	TO-15
Ethanol ^a		147	8.0	0.28	ppbv	TO-15
Ethylbenzene		0.19 I	1.6	0.027	ppbv	TO-15
4-Ethyltoluene ^a		0.076 I	3.2	0.045	ppbv	TO-15
Heptane		0.67 I	1.6	0.024	ppbv	TO-15
Hexane ^a		57.1	1.6	0.028	ppbv	TO-15
2-Hexanone ^a		0.12 I	1.6	0.041	ppbv	TO-15
Isopropanol ^a		219	16	0.23	ppbv	TO-15
p-Isopropyltoluene ^b		0.053 I	1.6	0.022	ppbv	TO-15
Methylene chloride		90.6	4.0	0.11	ppbv	TO-15
4-Methyl-2-pentanone		0.079 I	1.6	0.025	ppbv	TO-15
Pentane ^a		1.9	1.6	0.036	ppbv	TO-15
n-Propylbenzene ^a		0.039 I	1.6	0.027	ppbv	TO-15
Propene ^a		2.0	1.6	0.26	ppbv	TO-15
Styrene		0.14 I	1.6	0.022	ppbv	TO-15
1,1,1-Trichloroethane		0.14 I	1.6	0.035	ppbv	TO-15
1,1,2-Trichlorotrifluoroethane		0.10 I	1.6	0.041	ppbv	TO-15
1,2,4-Trimethylbenzene		0.25 I	1.6	0.017	ppbv	TO-15
1,3,5-Trimethylbenzene		0.057 I	1.6	0.020	ppbv	TO-15
2,2,4-Trimethylpentane		0.15 I	1.6	0.022	ppbv	TO-15
t-Butyl Alcohol ^a		3.2	3.2	0.021	ppbv	TO-15
Tetrachloroethene		154	8.0	0.22	ppbv	TO-15
Tetrahydrofuran ^a		1.1 I	1.6	0.045	ppbv	TO-15
Toluene		4.1	1.6	0.028	ppbv	TO-15
Trichloroethene		0.31 I	1.6	0.040	ppbv	TO-15
Trichlorofluoromethane		0.21 I	1.6	0.034	ppbv	TO-15
Vinyl chloride		0.045 I	1.6	0.039	ppbv	TO-15
m,p-Xylene		0.73 I	1.6	0.037	ppbv	TO-15
o-Xylene		0.26 I	1.6	0.017	ppbv	TO-15
Xylenes, Total		0.98 I	1.6	0.037	ppbv	TO-15
Acetone ^a		620	38	0.55	ug/m3	TO-15
Acrolein ^a		2.2 I	3.7	0.18	ug/m3	TO-15
Acrylonitrile ^a		0.26 I	3.5	0.11	ug/m3	TO-15
1,3-Butadiene		0.40 I	7.1	0.097	ug/m3	TO-15
Benzene		1.8 I	5.1	0.083	ug/m3	TO-15

Summary of Hits

Job Number: TD86414
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/01/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Benzyl Chloride		0.26 I	8.2	0.072	ug/m3	TO-15
Bromodichloromethane ^a		0.50 I	11	0.21	ug/m3	TO-15
2-Butanone		4.1 I	4.7	0.11	ug/m3	TO-15
Carbon disulfide ^a		0.59 I	5.0	0.062	ug/m3	TO-15
Carbon tetrachloride ^a		0.37 I	10	0.21	ug/m3	TO-15
Chloroform		3.6 I	7.8	0.14	ug/m3	TO-15
Chloromethane		0.66 I	3.3	0.091	ug/m3	TO-15
Cyclohexane ^a		2.5 I	5.5	0.11	ug/m3	TO-15
Dichlorodifluoromethane		2.5 I	7.9	0.17	ug/m3	TO-15
1,3-Dichlorobenzene		1.6 I	9.6	0.15	ug/m3	TO-15
Ethanol ^a		277	15	0.53	ug/m3	TO-15
Ethylbenzene		0.83 I	6.9	0.12	ug/m3	TO-15
4-Ethyltoluene ^a		0.37 I	16	0.22	ug/m3	TO-15
Heptane		2.7 I	6.6	0.098	ug/m3	TO-15
Hexane ^a		201	5.6	0.099	ug/m3	TO-15
2-Hexanone ^a		0.49 I	6.5	0.17	ug/m3	TO-15
Isopropanol ^a		537	39	0.56	ug/m3	TO-15
p-Isopropyltoluene ^b		0.29 I	8.8	0.12	ug/m3	TO-15
Methylene chloride		315	14	0.38	ug/m3	TO-15
4-Methyl-2-pentanone		0.32 I	6.6	0.10	ug/m3	TO-15
Pentane ^a		5.6	4.7	0.11	ug/m3	TO-15
n-Propylbenzene ^a		0.19 I	7.9	0.13	ug/m3	TO-15
Propene ^a		3.4	2.7	0.45	ug/m3	TO-15
Styrene		0.60 I	6.8	0.094	ug/m3	TO-15
1,1,1-Trichloroethane		0.76 I	8.7	0.19	ug/m3	TO-15
1,1,2-Trichlorotrifluoroethane		0.77 I	12	0.31	ug/m3	TO-15
1,2,4-Trimethylbenzene		1.2 I	7.9	0.084	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.28 I	7.9	0.098	ug/m3	TO-15
2,2,4-Trimethylpentane		0.70 I	7.5	0.10	ug/m3	TO-15
t-Butyl Alcohol ^a		9.7	9.7	0.064	ug/m3	TO-15
Tetrachloroethene		1040	54	1.5	ug/m3	TO-15
Tetrahydrofuran ^a		3.2 I	4.7	0.13	ug/m3	TO-15
Toluene		15	6.0	0.11	ug/m3	TO-15
Trichloroethene		1.7 I	8.6	0.21	ug/m3	TO-15
Trichlorofluoromethane		1.2 I	9.0	0.19	ug/m3	TO-15
Vinyl chloride		0.12 I	4.1	0.10	ug/m3	TO-15
m,p-Xylene		3.2 I	6.9	0.16	ug/m3	TO-15
o-Xylene		1.1 I	6.9	0.074	ug/m3	TO-15
Xylenes, Total		4.3 I	6.9	0.16	ug/m3	TO-15

TD86414-5 MAG-5

Acetone ^a	259	32	0.45	ppbv	TO-15
Acrolein ^a	1.1 I	2.0	0.098	ppbv	TO-15
1,3-Butadiene	2.6 I	4.0	0.056	ppbv	TO-15

Summary of Hits

Job Number: TD86414
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/01/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Benzene		2.9	2.0	0.033	ppbv	TO-15
Benzyl Chloride		0.061 I	2.0	0.017	ppbv	TO-15
Bromodichloromethane ^a		1.3 I	2.0	0.039	ppbv	TO-15
2-Butanone		3.0	2.0	0.048	ppbv	TO-15
n-Butylbenzene ^a		0.058 I	2.0	0.024	ppbv	TO-15
Carbon disulfide ^a		1.0 I	2.0	0.024	ppbv	TO-15
Carbon tetrachloride ^a		0.12 I	2.0	0.041	ppbv	TO-15
Chloroethane		0.24 I	2.0	0.051	ppbv	TO-15
Chloroform		21.2	2.0	0.034	ppbv	TO-15
Chloromethane		0.54 I	2.0	0.054	ppbv	TO-15
Cyclohexane ^a		1.2 I	2.0	0.038	ppbv	TO-15
Dibromochloromethane ^a		0.099 I	2.0	0.029	ppbv	TO-15
1,1-Dichloroethene		0.056 I	2.0	0.030	ppbv	TO-15
1,2-Dichloropropane		0.039 I	2.0	0.032	ppbv	TO-15
Dichlorodifluoromethane		0.57 I	2.0	0.044	ppbv	TO-15
1,3-Dichlorobenzene		0.98 I	2.0	0.031	ppbv	TO-15
1,4-Dichlorobenzene		0.038 I	2.0	0.035	ppbv	TO-15
Ethanol ^a		178	32	1.1	ppbv	TO-15
Ethylbenzene		0.47 I	2.0	0.033	ppbv	TO-15
4-Ethyltoluene ^a		0.20 I	4.0	0.056	ppbv	TO-15
Heptane		2.3	2.0	0.030	ppbv	TO-15
Hexane ^a		49.7	2.0	0.035	ppbv	TO-15
2-Hexanone ^a		0.30 I	2.0	0.051	ppbv	TO-15
Isopropylbenzene ^a		0.053 I	2.0	0.038	ppbv	TO-15
Isopropanol ^a		456	32	0.45	ppbv	TO-15
p-Isopropyltoluene ^b		0.12 I	2.0	0.027	ppbv	TO-15
Methylene chloride		81.4	4.0	0.11	ppbv	TO-15
4-Methyl-2-pentanone		0.15 I	2.0	0.032	ppbv	TO-15
Naphthalene ^a		0.12 I	2.0	0.054	ppbv	TO-15
Pentane ^a		10	2.0	0.046	ppbv	TO-15
n-Propylbenzene ^a		0.13 I	2.0	0.033	ppbv	TO-15
Propene ^a		18.9	2.0	0.32	ppbv	TO-15
Styrene		0.24 I	2.0	0.028	ppbv	TO-15
1,1,2-Trichlorotrifluoroethane		0.19 I	2.0	0.052	ppbv	TO-15
1,2,4-Trimethylbenzene		0.90 I	2.0	0.021	ppbv	TO-15
1,3,5-Trimethylbenzene		0.18 I	2.0	0.026	ppbv	TO-15
2,2,4-Trimethylpentane		1.1 I	2.0	0.027	ppbv	TO-15
t-Butyl Alcohol ^a		3.3 I	4.0	0.027	ppbv	TO-15
Tetrachloroethene		53.6	2.0	0.055	ppbv	TO-15
Tetrahydrofuran ^a		5.4	2.0	0.056	ppbv	TO-15
Toluene		5.9	2.0	0.035	ppbv	TO-15
Trichloroethene		0.066 I	2.0	0.050	ppbv	TO-15
Trichlorofluoromethane		0.34 I	2.0	0.042	ppbv	TO-15
Vinyl chloride		0.062 I	2.0	0.048	ppbv	TO-15
m,p-Xylene		1.6 I	2.0	0.046	ppbv	TO-15

Summary of Hits

Job Number: TD86414
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/01/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
o-Xylene		0.64 I	2.0	0.022	ppbv	TO-15
Xylenes, Total		2.3	2.0	0.046	ppbv	TO-15
Acetone ^a		615	76	1.1	ug/m3	TO-15
Acrolein ^a		2.5 I	4.6	0.22	ug/m3	TO-15
1,3-Butadiene		5.8 I	8.8	0.12	ug/m3	TO-15
Benzene		9.3	6.4	0.11	ug/m3	TO-15
Benzyl Chloride		0.31 I	10	0.088	ug/m3	TO-15
Bromodichloromethane ^a		8.7 I	13	0.26	ug/m3	TO-15
2-Butanone		8.8	5.9	0.14	ug/m3	TO-15
n-Butylbenzene ^a		0.32 I	11	0.13	ug/m3	TO-15
Carbon disulfide ^a		3.1 I	6.2	0.075	ug/m3	TO-15
Carbon tetrachloride ^a		0.75 I	13	0.26	ug/m3	TO-15
Chloroethane		0.63 I	5.3	0.13	ug/m3	TO-15
Chloroform		104	9.8	0.17	ug/m3	TO-15
Chloromethane		1.1 I	4.1	0.11	ug/m3	TO-15
Cyclohexane ^a		4.1 I	6.9	0.13	ug/m3	TO-15
Dibromochloromethane ^a		0.84 I	17	0.25	ug/m3	TO-15
1,1-Dichloroethene		0.22 I	7.9	0.12	ug/m3	TO-15
1,2-Dichloropropane		0.18 I	9.2	0.15	ug/m3	TO-15
Dichlorodifluoromethane		2.8 I	9.9	0.22	ug/m3	TO-15
1,3-Dichlorobenzene		5.9 I	12	0.19	ug/m3	TO-15
1,4-Dichlorobenzene		0.23 I	12	0.21	ug/m3	TO-15
Ethanol ^a		335	60	2.1	ug/m3	TO-15
Ethylbenzene		2.0 I	8.7	0.14	ug/m3	TO-15
4-Ethyltoluene ^a		0.98 I	20	0.28	ug/m3	TO-15
Heptane		9.4	8.2	0.12	ug/m3	TO-15
Hexane ^a		175	7.0	0.12	ug/m3	TO-15
2-Hexanone ^a		1.2 I	8.2	0.21	ug/m3	TO-15
Isopropylbenzene ^a		0.26 I	9.8	0.19	ug/m3	TO-15
Isopropanol ^a		1120	79	1.1	ug/m3	TO-15
p-Isopropyltoluene ^b		0.66 I	11	0.15	ug/m3	TO-15
Methylene chloride		283	14	0.38	ug/m3	TO-15
4-Methyl-2-pentanone		0.61 I	8.2	0.13	ug/m3	TO-15
Naphthalene ^a		0.63 I	10	0.28	ug/m3	TO-15
Pentane ^a		29	5.9	0.14	ug/m3	TO-15
n-Propylbenzene ^a		0.64 I	9.8	0.16	ug/m3	TO-15
Propene ^a		32.5	3.4	0.55	ug/m3	TO-15
Styrene		1.0 I	8.5	0.12	ug/m3	TO-15
1,1,2-Trichlorotrifluoroethane		1.5 I	15	0.40	ug/m3	TO-15
1,2,4-Trimethylbenzene		4.4 I	9.8	0.10	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.88 I	9.8	0.13	ug/m3	TO-15
2,2,4-Trimethylpentane		5.1 I	9.3	0.13	ug/m3	TO-15
t-Butyl Alcohol ^a		10 I	12	0.082	ug/m3	TO-15
Tetrachloroethene		363	14	0.37	ug/m3	TO-15
Tetrahydrofuran ^a		16	5.9	0.16	ug/m3	TO-15

Summary of Hits

Job Number: TD86414
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/01/23



Lab Sample ID	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Analyte						
Toluene		22	7.5	0.13	ug/m3	TO-15
Trichloroethene		0.35 I	11	0.27	ug/m3	TO-15
Trichlorofluoromethane		1.9 I	11	0.24	ug/m3	TO-15
Vinyl chloride		0.16 I	5.1	0.12	ug/m3	TO-15
m,p-Xylene		6.9 I	8.7	0.20	ug/m3	TO-15
o-Xylene		2.8 I	8.7	0.096	ug/m3	TO-15
Xylenes, Total		10	8.7	0.20	ug/m3	TO-15

(a) Not Florida NELAP certified.
(b) Not NELAC certified.



Houston, TX

Section 4

4

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MAG-1	Date Sampled:	08/01/23
Lab Sample ID:	TD86414-1	Date Received:	08/03/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1L2308057.D	2	08/04/23 01:01	KS	n/a	n/a	V1L1024
Run #2	1L2308070.D	4	08/04/23 12:39	KS	n/a	n/a	V1L1024
Run #3	1L2308056.D	16	08/04/23 00:23	KS	n/a	n/a	V1L1024

	Initial Volume
Run #1	400 ml
Run #2	400 ml
Run #3	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
67-64-1	58.08	Acetone ^a	234 ^b	16	0.23	ppbv		556 ^b	38	0.55	ug/m3
107-02-8	56	Acrolein ^a	0.61	1.0	0.049	ppbv	I	1.4	2.3	0.11	ug/m3
107-13-1	53	Acrylonitrile ^a	0.12	1.0	0.031	ppbv	I	0.26	2.2	0.067	ug/m3
107-05-1	76.53	Allyl chloride ^a	0.035 U	2.0	0.035	ppbv		0.11 U	6.3	0.11	ug/m3
106-99-0	54.09	1,3-Butadiene	0.14	2.0	0.028	ppbv	I	0.31	4.4	0.062	ug/m3
71-43-2	78.11	Benzene	0.45	1.0	0.016	ppbv	I	1.4	3.2	0.051	ug/m3
100-44-7	126	Benzyl Chloride	0.030	1.0	0.0086	ppbv	I	0.15	5.2	0.044	ug/m3
75-27-4	163.8	Bromodichloromethane ^a	0.050	1.0	0.019	ppbv	I	0.33	6.7	0.13	ug/m3
75-25-2	252.8	Bromoform	0.016 U	1.0	0.016	ppbv		0.17 U	10	0.17	ug/m3
74-83-9	94.94	Bromomethane	0.018 U	1.0	0.018	ppbv		0.070 U	3.9	0.070	ug/m3
78-93-3	72.11	2-Butanone	1.2	1.0	0.024	ppbv		3.5	2.9	0.071	ug/m3
104-51-8	134	n-Butylbenzene ^a	0.012 U	1.0	0.012	ppbv		0.066 U	5.5	0.066	ug/m3
135-98-8	134	sec-Butylbenzene ^a	0.021 U	1.0	0.021	ppbv		0.12 U	5.5	0.12	ug/m3
75-15-0	76.14	Carbon disulfide ^a	0.22	1.0	0.012	ppbv	I	0.69	3.1	0.037	ug/m3
56-23-5	153.8	Carbon tetrachloride ^a	0.070	1.0	0.021	ppbv	I	0.44	6.3	0.13	ug/m3
108-90-7	112.6	Chlorobenzene	0.033	1.0	0.018	ppbv	I	0.15	4.6	0.083	ug/m3
75-00-3	64.52	Chloroethane	0.026 U	1.0	0.026	ppbv		0.069 U	2.6	0.069	ug/m3
67-66-3	119.4	Chloroform	2.0	1.0	0.017	ppbv		9.8	4.9	0.083	ug/m3
74-87-3	50.49	Chloromethane	0.31	1.0	0.027	ppbv	I	0.64	2.1	0.056	ug/m3
110-82-7	84.16	Cyclohexane ^a	0.24	1.0	0.019	ppbv	I	0.83	3.4	0.065	ug/m3
124-48-1	208.3	Dibromochloromethane ^a	0.014 U	1.0	0.014	ppbv		0.12 U	8.5	0.12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.017 U	1.0	0.017	ppbv		0.069 U	4.0	0.069	ug/m3
75-35-4	96.94	1,1-Dichloroethene	0.015 U	1.0	0.015	ppbv		0.059 U	4.0	0.059	ug/m3
106-93-4	187.9	1,2-Dibromoethane	0.017 U	1.0	0.017	ppbv		0.13 U	7.7	0.13	ug/m3
557-91-5	187.9	1,1-Dibromoethane ^c	0.020 U	1.0	0.020	ppbv		0.15 U	7.7	0.15	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.017 U	1.0	0.017	ppbv		0.069 U	4.0	0.069	ug/m3
78-87-5	113	1,2-Dichloropropane	0.016 U	1.0	0.016	ppbv		0.074 U	4.6	0.074	ug/m3
123-91-1	88	1,4-Dioxane	0.054	1.0	0.014	ppbv	I	0.19	3.6	0.050	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.55	1.0	0.022	ppbv	I	2.7	4.9	0.11	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethene	0.054	1.0	0.020	ppbv	I	0.21	4.0	0.079	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-1	Date Sampled:	08/01/23
Lab Sample ID:	TD86414-1	Date Received:	08/03/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
156-59-2	96.94	cis-1,2-Dichloroethene	0.019 U	1.0	0.019	ppbv		0.075 U	4.0	0.075	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.011 U	1.0	0.011	ppbv		0.050 U	4.5	0.050	ug/m3
95-50-1	147	1,2-Dichlorobenzene	0.017 U	1.0	0.017	ppbv		0.10 U	6.0	0.10	ug/m3
541-73-1	147	1,3-Dichlorobenzene	0.18	1.0	0.016	ppbv	I	1.1	6.0	0.096	ug/m3
106-46-7	147	1,4-Dichlorobenzene	0.018 U	1.0	0.018	ppbv		0.11 U	6.0	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.020 U	1.0	0.020	ppbv		0.091 U	4.5	0.091	ug/m3
76-14-2	170.9	1,2-Dichlorotetrafluoroethane	0.020	1.0	0.020	ppbv	I	0.14	7.0	0.14	ug/m3
108-20-3	102	Di-Isopropyl ether ^a	0.016 U	2.0	0.016	ppbv		0.067 U	8.3	0.067	ug/m3
64-17-5	46	Ethanol ^a	153 ^b	16	0.56	ppbv		288 ^b	30	1.1	ug/m3
100-41-4	106.2	Ethylbenzene	0.18	1.0	0.017	ppbv	I	0.78	4.3	0.074	ug/m3
141-78-6	88	Ethyl Acetate ^a	0.25	1.0	0.039	ppbv	I	0.90	3.6	0.14	ug/m3
637-92-3	102	Ethyl tert-Butyl Ether ^a	0.015 U	2.0	0.015	ppbv		0.063 U	8.3	0.063	ug/m3
622-96-8	120.2	4-Ethyltoluene ^a	0.069	2.0	0.028	ppbv	I	0.34	9.8	0.14	ug/m3
142-82-5	100.2	Heptane	0.31	1.0	0.015	ppbv	I	1.3	4.1	0.061	ug/m3
87-68-3	260.8	Hexachloro-1,3-butadiene	0.013 U	1.0	0.013	ppbv		0.14 U	11	0.14	ug/m3
110-54-3	86.17	Hexane ^a	4.4	1.0	0.018	ppbv		16	3.5	0.063	ug/m3
591-78-6	100	2-Hexanone ^a	0.13	1.0	0.025	ppbv	I	0.53	4.1	0.10	ug/m3
98-82-8	120	Isopropylbenzene ^a	0.019 U	1.0	0.019	ppbv		0.093 U	4.9	0.093	ug/m3
67-63-0	60	Isopropanol ^a	52.4 ^d	4.0	0.056	ppbv		129 ^d	9.8	0.14	ug/m3
99-87-6	134	p-Isopropyltoluene ^c	0.044	1.0	0.014	ppbv	I	0.24	5.5	0.077	ug/m3
75-09-2	84.94	Methylene chloride	65.3 ^d	2.0	0.054	ppbv		227 ^d	6.9	0.19	ug/m3
108-10-1	100.2	4-Methyl-2-pentanone	0.055	1.0	0.016	ppbv	I	0.23	4.1	0.066	ug/m3
1634-04-4	88.15	Methyl Tert-Butyl Ether	0.020 U	1.0	0.020	ppbv		0.072 U	3.6	0.072	ug/m3
80-62-6	100	Methyl methacrylate ^a	0.012 U	1.0	0.012	ppbv		0.049 U	4.1	0.049	ug/m3
91-20-3	128.17	Naphthalene ^a	0.091	1.0	0.027	ppbv	I	0.48	5.2	0.14	ug/m3
109-66-0	72	Pentane ^a	1.1	1.0	0.023	ppbv		3.2	2.9	0.068	ug/m3
103-65-1	120	n-Propylbenzene ^a	0.034	1.0	0.017	ppbv	I	0.17	4.9	0.083	ug/m3
115-07-1	42	Propene ^a	1.8	1.0	0.16	ppbv		3.1	1.7	0.27	ug/m3
100-42-5	104.1	Styrene	0.18	1.0	0.014	ppbv	I	0.77	4.3	0.060	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	0.015 U	1.0	0.015	ppbv		0.10 U	6.9	0.10	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.025	1.0	0.022	ppbv	I	0.14	5.5	0.12	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.017 U	1.0	0.017	ppbv		0.093 U	5.5	0.093	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.019 U	1.0	0.019	ppbv		0.14 U	7.4	0.14	ug/m3
76-13-1	187.4	1,1,2-Trichlorotrifluoroethane	0.077	1.0	0.026	ppbv	I	0.59	7.7	0.20	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.28	1.0	0.010	ppbv	I	1.4	4.9	0.049	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.052	1.0	0.013	ppbv	I	0.26	4.9	0.064	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.13	1.0	0.014	ppbv	I	0.61	4.7	0.065	ug/m3
75-65-0	74.12	t-Butyl Alcohol ^a	0.91	2.0	0.013	ppbv	I	2.8	6.1	0.039	ug/m3
994-05-8	102	tert Amyl Methyl Ether ^a	0.018 U	2.0	0.018	ppbv		0.075 U	8.3	0.075	ug/m3
127-18-4	165.8	Tetrachloroethene	38.4 ^d	2.0	0.055	ppbv		260 ^d	14	0.37	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MAG-1
Lab Sample ID: TD86414-1
Matrix: AIR - Air
Method: TO-15
Project: (Air)Crystal Cleaners

Date Sampled: 08/01/23
Date Received: 08/03/23
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
109-99-9	72	Tetrahydrofuran ^a	0.71	1.0	0.028	ppbv	I	2.1	2.9	0.082	ug/m3
108-88-3	92.14	Toluene	3.7	1.0	0.018	ppbv		14	3.8	0.068	ug/m3
79-01-6	131.4	Trichloroethene	0.070	1.0	0.025	ppbv	I	0.38	5.4	0.13	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	1.0	0.021	ppbv	I	1.3	5.6	0.12	ug/m3
108-05-4	86	Vinyl acetate	0.20	1.0	0.022	ppbv	I	0.70	3.5	0.077	ug/m3
593-60-2	106.9	Vinyl Bromide	0.024 U	1.0	0.024	ppbv		0.10 U	4.4	0.10	ug/m3
75-01-4	62.5	Vinyl chloride	0.037	1.0	0.024	ppbv	I	0.095	2.6	0.061	ug/m3
	106.2	m,p-Xylene	0.64	1.0	0.023	ppbv	I	2.8	4.3	0.10	ug/m3
95-47-6	106.2	o-Xylene	0.22	1.0	0.011	ppbv	I	0.96	4.3	0.048	ug/m3
1330-20-7	106.2	Xylenes, Total	0.86	1.0	0.023	ppbv	I	3.7	4.3	0.10	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	103%	99%	102%	65-128%

- (a) Not Florida NELAP certified.
 (b) Result is from Run# 3
 (c) Not NELAC certified.
 (d) Result is from Run# 2

U = Not detected MDL = Method Detection Limit
 PQL = Practical Quantitation Limit
 L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-2	Date Sampled:	08/01/23
Lab Sample ID:	TD86414-2	Date Received:	08/03/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1L2308060.D	2	08/04/23 02:48	KS	n/a	n/a	V1L1024
Run #2	1L2308048.D	8	08/03/23 19:29	KS	n/a	n/a	V1L1024
Run #3	1L2308059.D	16	08/04/23 02:10	KS	n/a	n/a	V1L1024

	Initial Volume
Run #1	400 ml
Run #2	400 ml
Run #3	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
67-64-1	58.08	Acetone ^a	254 ^b	16	0.23	ppbv		603 ^b	38	0.55	ug/m3
107-02-8	56	Acrolein ^a	0.70	1.0	0.049	ppbv	I	1.6	2.3	0.11	ug/m3
107-13-1	53	Acrylonitrile ^a	0.11	1.0	0.031	ppbv	I	0.24	2.2	0.067	ug/m3
107-05-1	76.53	Allyl chloride ^a	0.035 U	2.0	0.035	ppbv		0.11 U	6.3	0.11	ug/m3
106-99-0	54.09	1,3-Butadiene	0.35	2.0	0.028	ppbv	I	0.77	4.4	0.062	ug/m3
71-43-2	78.11	Benzene	1.4	1.0	0.016	ppbv		4.5	3.2	0.051	ug/m3
100-44-7	126	Benzyl Chloride	0.026	1.0	0.0086	ppbv	I	0.13	5.2	0.044	ug/m3
75-27-4	163.8	Bromodichloromethane ^a	0.043	1.0	0.019	ppbv	I	0.29	6.7	0.13	ug/m3
75-25-2	252.8	Bromoform	0.016 U	1.0	0.016	ppbv		0.17 U	10	0.17	ug/m3
74-83-9	94.94	Bromomethane	0.018 U	1.0	0.018	ppbv		0.070 U	3.9	0.070	ug/m3
78-93-3	72.11	2-Butanone	1.5	1.0	0.024	ppbv		4.4	2.9	0.071	ug/m3
104-51-8	134	n-Butylbenzene ^a	0.012 U	1.0	0.012	ppbv		0.066 U	5.5	0.066	ug/m3
135-98-8	134	sec-Butylbenzene ^a	0.021 U	1.0	0.021	ppbv		0.12 U	5.5	0.12	ug/m3
75-15-0	76.14	Carbon disulfide ^a	0.23	1.0	0.012	ppbv	I	0.72	3.1	0.037	ug/m3
56-23-5	153.8	Carbon tetrachloride ^a	0.088	1.0	0.021	ppbv	I	0.55	6.3	0.13	ug/m3
108-90-7	112.6	Chlorobenzene	0.057	1.0	0.018	ppbv	I	0.26	4.6	0.083	ug/m3
75-00-3	64.52	Chloroethane	0.026 U	1.0	0.026	ppbv		0.069 U	2.6	0.069	ug/m3
67-66-3	119.4	Chloroform	3.1	1.0	0.017	ppbv		15	4.9	0.083	ug/m3
74-87-3	50.49	Chloromethane	0.29	1.0	0.027	ppbv	I	0.60	2.1	0.056	ug/m3
110-82-7	84.16	Cyclohexane ^a	0.41	1.0	0.019	ppbv	I	1.4	3.4	0.065	ug/m3
124-48-1	208.3	Dibromochloromethane ^a	0.014 U	1.0	0.014	ppbv		0.12 U	8.5	0.12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.017 U	1.0	0.017	ppbv		0.069 U	4.0	0.069	ug/m3
75-35-4	96.94	1,1-Dichloroethene	0.015 U	1.0	0.015	ppbv		0.059 U	4.0	0.059	ug/m3
106-93-4	187.9	1,2-Dibromoethane	0.017 U	1.0	0.017	ppbv		0.13 U	7.7	0.13	ug/m3
557-91-5	187.9	1,1-Dibromoethane ^c	0.020 U	1.0	0.020	ppbv		0.15 U	7.7	0.15	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.026	1.0	0.017	ppbv	I	0.11	4.0	0.069	ug/m3
78-87-5	113	1,2-Dichloropropane	0.016 U	1.0	0.016	ppbv		0.074 U	4.6	0.074	ug/m3
123-91-1	88	1,4-Dioxane	0.054	1.0	0.014	ppbv	I	0.19	3.6	0.050	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.53	1.0	0.022	ppbv	I	2.6	4.9	0.11	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethene	0.059	1.0	0.020	ppbv	I	0.23	4.0	0.079	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-2	Date Sampled:	08/01/23
Lab Sample ID:	TD86414-2	Date Received:	08/03/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
156-59-2	96.94	cis-1,2-Dichloroethene	0.019 U	1.0	0.019	ppbv		0.075 U	4.0	0.075	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.011 U	1.0	0.011	ppbv		0.050 U	4.5	0.050	ug/m3
95-50-1	147	1,2-Dichlorobenzene	0.017 U	1.0	0.017	ppbv		0.10 U	6.0	0.10	ug/m3
541-73-1	147	1,3-Dichlorobenzene	0.26	1.0	0.016	ppbv	I	1.6	6.0	0.096	ug/m3
106-46-7	147	1,4-Dichlorobenzene	0.023	1.0	0.018	ppbv	I	0.14	6.0	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.020 U	1.0	0.020	ppbv		0.091 U	4.5	0.091	ug/m3
76-14-2	170.9	1,2-Dichlorotetrafluoroethane	0.020 U	1.0	0.020	ppbv		0.14 U	7.0	0.14	ug/m3
108-20-3	102	Di-Isopropyl ether ^a	0.016 U	2.0	0.016	ppbv		0.067 U	8.3	0.067	ug/m3
64-17-5	46	Ethanol ^a	178 ^b	16	0.56	ppbv		335 ^b	30	1.1	ug/m3
100-41-4	106.2	Ethylbenzene	0.34	1.0	0.017	ppbv	I	1.5	4.3	0.074	ug/m3
141-78-6	88	Ethyl Acetate ^a	0.23	1.0	0.039	ppbv	I	0.83	3.6	0.14	ug/m3
637-92-3	102	Ethyl tert-Butyl Ether ^a	0.015 U	2.0	0.015	ppbv		0.063 U	8.3	0.063	ug/m3
622-96-8	120.2	4-Ethyltoluene ^a	0.12	2.0	0.028	ppbv	I	0.59	9.8	0.14	ug/m3
142-82-5	100.2	Heptane	0.51	1.0	0.015	ppbv	I	2.1	4.1	0.061	ug/m3
87-68-3	260.8	Hexachloro-1,3-butadiene	0.013 U	1.0	0.013	ppbv		0.14 U	11	0.14	ug/m3
110-54-3	86.17	Hexane ^a	5.5	1.0	0.018	ppbv		19	3.5	0.063	ug/m3
591-78-6	100	2-Hexanone ^a	0.16	1.0	0.025	ppbv	I	0.65	4.1	0.10	ug/m3
98-82-8	120	Isopropylbenzene ^a	0.026	1.0	0.019	ppbv	I	0.13	4.9	0.093	ug/m3
67-63-0	60	Isopropanol ^a	93.2 ^d	8.0	0.11	ppbv		229 ^d	20	0.27	ug/m3
99-87-6	134	p-Isopropyltoluene ^c	0.073	1.0	0.014	ppbv	I	0.40	5.5	0.077	ug/m3
75-09-2	84.94	Methylene chloride	68.6 ^d	4.0	0.11	ppbv		238 ^d	14	0.38	ug/m3
108-10-1	100.2	4-Methyl-2-pentanone	0.077	1.0	0.016	ppbv	I	0.32	4.1	0.066	ug/m3
1634-04-4	88.15	Methyl Tert-Butyl Ether	0.020 U	1.0	0.020	ppbv		0.072 U	3.6	0.072	ug/m3
80-62-6	100	Methyl methacrylate ^a	0.012 U	1.0	0.012	ppbv		0.049 U	4.1	0.049	ug/m3
91-20-3	128.17	Naphthalene ^a	0.084	1.0	0.027	ppbv	I	0.44	5.2	0.14	ug/m3
109-66-0	72	Pentane ^a	2.2	1.0	0.023	ppbv		6.5	2.9	0.068	ug/m3
103-65-1	120	n-Propylbenzene ^a	0.053	1.0	0.017	ppbv	I	0.26	4.9	0.083	ug/m3
115-07-1	42	Propene ^a	3.9	1.0	0.16	ppbv		6.7	1.7	0.27	ug/m3
100-42-5	104.1	Styrene	0.23	1.0	0.014	ppbv	I	0.98	4.3	0.060	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	0.015 U	1.0	0.015	ppbv		0.10 U	6.9	0.10	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.022 U	1.0	0.022	ppbv		0.12 U	5.5	0.12	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.017 U	1.0	0.017	ppbv		0.093 U	5.5	0.093	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.019 U	1.0	0.019	ppbv		0.14 U	7.4	0.14	ug/m3
76-13-1	187.4	1,1,2-Trichlorotrifluoroethane	0.072	1.0	0.026	ppbv	I	0.55	7.7	0.20	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.42	1.0	0.010	ppbv	I	2.1	4.9	0.049	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.086	1.0	0.013	ppbv	I	0.42	4.9	0.064	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.28	1.0	0.014	ppbv	I	1.3	4.7	0.065	ug/m3
75-65-0	74.12	t-Butyl Alcohol ^a	1.2	2.0	0.013	ppbv	I	3.6	6.1	0.039	ug/m3
994-05-8	102	tert Amyl Methyl Ether ^a	0.018 U	2.0	0.018	ppbv		0.075 U	8.3	0.075	ug/m3
127-18-4	165.8	Tetrachloroethene	18.5	1.0	0.027	ppbv		125	6.8	0.18	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MAG-2
Lab Sample ID: TD86414-2
Matrix: AIR - Air
Method: TO-15
Project: (Air)Crystal Cleaners

Date Sampled: 08/01/23
Date Received: 08/03/23
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
109-99-9	72	Tetrahydrofuran ^a	1.0	1.0	0.028	ppbv		2.9	2.9	0.082	ug/m3
108-88-3	92.14	Toluene	5.8	1.0	0.018	ppbv		22	3.8	0.068	ug/m3
79-01-6	131.4	Trichloroethene	0.030	1.0	0.025	ppbv	I	0.16	5.4	0.13	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.22	1.0	0.021	ppbv	I	1.2	5.6	0.12	ug/m3
108-05-4	86	Vinyl acetate	0.16	1.0	0.022	ppbv	I	0.56	3.5	0.077	ug/m3
593-60-2	106.9	Vinyl Bromide	0.024 U	1.0	0.024	ppbv		0.10 U	4.4	0.10	ug/m3
75-01-4	62.5	Vinyl chloride	0.043	1.0	0.024	ppbv	I	0.11	2.6	0.061	ug/m3
	106.2	m,p-Xylene	1.2	1.0	0.023	ppbv		5.2	4.3	0.10	ug/m3
95-47-6	106.2	o-Xylene	0.40	1.0	0.011	ppbv	I	1.7	4.3	0.048	ug/m3
1330-20-7	106.2	Xylenes, Total	1.6	1.0	0.023	ppbv		6.9	4.3	0.10	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	100%	101%	93%	65-128%

- (a) Not Florida NELAP certified.
 (b) Result is from Run# 3
 (c) Not NELAC certified.
 (d) Result is from Run# 2

U = Not detected MDL = Method Detection Limit
 PQL = Practical Quantitation Limit
 L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-3	Date Sampled:	08/01/23
Lab Sample ID:	TD86414-3	Date Received:	08/03/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1L2308063.D	2	08/04/23 04:35	KS	n/a	n/a	V1L1024
Run #2	1L2308049.D	8	08/03/23 20:04	KS	n/a	n/a	V1L1024
Run #3	1L2308062.D	16	08/04/23 03:57	KS	n/a	n/a	V1L1024

	Initial Volume
Run #1	400 ml
Run #2	400 ml
Run #3	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
67-64-1	58.08	Acetone ^a	224 ^b	16	0.23	ppbv		532 ^b	38	0.55	ug/m3
107-02-8	56	Acrolein ^a	0.93	1.0	0.049	ppbv	I	2.1	2.3	0.11	ug/m3
107-13-1	53	Acrylonitrile ^a	0.19	1.0	0.031	ppbv	I	0.41	2.2	0.067	ug/m3
107-05-1	76.53	Allyl chloride ^a	0.035 U	2.0	0.035	ppbv		0.11 U	6.3	0.11	ug/m3
106-99-0	54.09	1,3-Butadiene	0.60	2.0	0.028	ppbv	I	1.3	4.4	0.062	ug/m3
71-43-2	78.11	Benzene	2.6	1.0	0.016	ppbv		8.3	3.2	0.051	ug/m3
100-44-7	126	Benzyl Chloride	0.040	1.0	0.0086	ppbv	I	0.21	5.2	0.044	ug/m3
75-27-4	163.8	Bromodichloromethane ^a	0.22	1.0	0.019	ppbv	I	1.5	6.7	0.13	ug/m3
75-25-2	252.8	Bromoform	0.016 U	1.0	0.016	ppbv		0.17 U	10	0.17	ug/m3
74-83-9	94.94	Bromomethane	0.018 U	1.0	0.018	ppbv		0.070 U	3.9	0.070	ug/m3
78-93-3	72.11	2-Butanone	1.4	1.0	0.024	ppbv		4.1	2.9	0.071	ug/m3
104-51-8	134	n-Butylbenzene ^a	0.012 U	1.0	0.012	ppbv		0.066 U	5.5	0.066	ug/m3
135-98-8	134	sec-Butylbenzene ^a	0.021 U	1.0	0.021	ppbv		0.12 U	5.5	0.12	ug/m3
75-15-0	76.14	Carbon disulfide ^a	0.20	1.0	0.012	ppbv	I	0.62	3.1	0.037	ug/m3
56-23-5	153.8	Carbon tetrachloride ^a	0.077	1.0	0.021	ppbv	I	0.48	6.3	0.13	ug/m3
108-90-7	112.6	Chlorobenzene	0.018 U	1.0	0.018	ppbv		0.083 U	4.6	0.083	ug/m3
75-00-3	64.52	Chloroethane	0.026 U	1.0	0.026	ppbv		0.069 U	2.6	0.069	ug/m3
67-66-3	119.4	Chloroform	7.1	1.0	0.017	ppbv		35	4.9	0.083	ug/m3
74-87-3	50.49	Chloromethane	0.34	1.0	0.027	ppbv	I	0.70	2.1	0.056	ug/m3
110-82-7	84.16	Cyclohexane ^a	0.74	1.0	0.019	ppbv	I	2.5	3.4	0.065	ug/m3
124-48-1	208.3	Dibromochloromethane ^a	0.014 U	1.0	0.014	ppbv		0.12 U	8.5	0.12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.017 U	1.0	0.017	ppbv		0.069 U	4.0	0.069	ug/m3
75-35-4	96.94	1,1-Dichloroethene	0.015 U	1.0	0.015	ppbv		0.059 U	4.0	0.059	ug/m3
106-93-4	187.9	1,2-Dibromoethane	0.017 U	1.0	0.017	ppbv		0.13 U	7.7	0.13	ug/m3
557-91-5	187.9	1,1-Dibromoethane ^c	0.020 U	1.0	0.020	ppbv		0.15 U	7.7	0.15	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.017 U	1.0	0.017	ppbv		0.069 U	4.0	0.069	ug/m3
78-87-5	113	1,2-Dichloropropane	0.016 U	1.0	0.016	ppbv		0.074 U	4.6	0.074	ug/m3
123-91-1	88	1,4-Dioxane	0.014 U	1.0	0.014	ppbv		0.050 U	3.6	0.050	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.53	1.0	0.022	ppbv	I	2.6	4.9	0.11	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethene	0.021	1.0	0.020	ppbv	I	0.083	4.0	0.079	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-3	Date Sampled:	08/01/23
Lab Sample ID:	TD86414-3	Date Received:	08/03/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
156-59-2	96.94	cis-1,2-Dichloroethene	0.019 U	1.0	0.019	ppbv		0.075 U	4.0	0.075	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.011 U	1.0	0.011	ppbv		0.050 U	4.5	0.050	ug/m3
95-50-1	147	1,2-Dichlorobenzene	0.017 U	1.0	0.017	ppbv		0.10 U	6.0	0.10	ug/m3
541-73-1	147	1,3-Dichlorobenzene	0.29	1.0	0.016	ppbv	I	1.7	6.0	0.096	ug/m3
106-46-7	147	1,4-Dichlorobenzene	0.018 U	1.0	0.018	ppbv		0.11 U	6.0	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.020 U	1.0	0.020	ppbv		0.091 U	4.5	0.091	ug/m3
76-14-2	170.9	1,2-Dichlorotetrafluoroethane	0.020 U	1.0	0.020	ppbv		0.14 U	7.0	0.14	ug/m3
108-20-3	102	Di-Isopropyl ether ^a	0.016 U	2.0	0.016	ppbv		0.067 U	8.3	0.067	ug/m3
64-17-5	46	Ethanol ^a	140 ^d	8.0	0.28	ppbv		263 ^d	15	0.53	ug/m3
100-41-4	106.2	Ethylbenzene	0.32	1.0	0.017	ppbv	I	1.4	4.3	0.074	ug/m3
141-78-6	88	Ethyl Acetate ^a	0.039 U	1.0	0.039	ppbv		0.14 U	3.6	0.14	ug/m3
637-92-3	102	Ethyl tert-Butyl Ether ^a	0.015 U	2.0	0.015	ppbv		0.063 U	8.3	0.063	ug/m3
622-96-8	120.2	4-Ethyltoluene ^a	0.088	2.0	0.028	ppbv	I	0.43	9.8	0.14	ug/m3
142-82-5	100.2	Heptane	0.66	1.0	0.015	ppbv	I	2.7	4.1	0.061	ug/m3
87-68-3	260.8	Hexachloro-1,3-butadiene	0.013 U	1.0	0.013	ppbv		0.14 U	11	0.14	ug/m3
110-54-3	86.17	Hexane ^a	36.0	1.0	0.018	ppbv		127	3.5	0.063	ug/m3
591-78-6	100	2-Hexanone ^a	0.16	1.0	0.025	ppbv	I	0.65	4.1	0.10	ug/m3
98-82-8	120	Isopropylbenzene ^a	0.022	1.0	0.019	ppbv	I	0.11	4.9	0.093	ug/m3
67-63-0	60	Isopropanol ^a	146 ^b	16	0.23	ppbv		358 ^b	39	0.56	ug/m3
99-87-6	134	p-Isopropyltoluene ^c	0.063	1.0	0.014	ppbv	I	0.35	5.5	0.077	ug/m3
75-09-2	84.94	Methylene chloride	76.5 ^d	4.0	0.11	ppbv		266 ^d	14	0.38	ug/m3
108-10-1	100.2	4-Methyl-2-pentanone	0.089	1.0	0.016	ppbv	I	0.36	4.1	0.066	ug/m3
1634-04-4	88.15	Methyl Tert-Butyl Ether	0.020 U	1.0	0.020	ppbv		0.072 U	3.6	0.072	ug/m3
80-62-6	100	Methyl methacrylate ^a	0.012 U	1.0	0.012	ppbv		0.049 U	4.1	0.049	ug/m3
91-20-3	128.17	Naphthalene ^a	0.061	1.0	0.027	ppbv	I	0.32	5.2	0.14	ug/m3
109-66-0	72	Pentane ^a	3.7	1.0	0.023	ppbv		11	2.9	0.068	ug/m3
103-65-1	120	n-Propylbenzene ^a	0.050	1.0	0.017	ppbv	I	0.25	4.9	0.083	ug/m3
115-07-1	42	Propene ^a	6.3	1.0	0.16	ppbv		11	1.7	0.27	ug/m3
100-42-5	104.1	Styrene	0.23	1.0	0.014	ppbv	I	0.98	4.3	0.060	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	0.015 U	1.0	0.015	ppbv		0.10 U	6.9	0.10	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.022 U	1.0	0.022	ppbv		0.12 U	5.5	0.12	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.017 U	1.0	0.017	ppbv		0.093 U	5.5	0.093	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.019 U	1.0	0.019	ppbv		0.14 U	7.4	0.14	ug/m3
76-13-1	187.4	1,1,2-Trichlorotrifluoroethane	0.086	1.0	0.026	ppbv	I	0.66	7.7	0.20	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.34	1.0	0.010	ppbv	I	1.7	4.9	0.049	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.074	1.0	0.013	ppbv	I	0.36	4.9	0.064	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.39	1.0	0.014	ppbv	I	1.8	4.7	0.065	ug/m3
75-65-0	74.12	t-Butyl Alcohol ^a	2.5	2.0	0.013	ppbv		7.6	6.1	0.039	ug/m3
994-05-8	102	tert Amyl Methyl Ether ^a	0.018 U	2.0	0.018	ppbv		0.075 U	8.3	0.075	ug/m3
127-18-4	165.8	Tetrachloroethene	17.1	1.0	0.027	ppbv		116	6.8	0.18	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

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I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-3	Date Sampled:	08/01/23
Lab Sample ID:	TD86414-3	Date Received:	08/03/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
109-99-9	72	Tetrahydrofuran ^a	1.1	1.0	0.028	ppbv		3.2	2.9	0.082	ug/m3
108-88-3	92.14	Toluene	7.1	1.0	0.018	ppbv		27	3.8	0.068	ug/m3
79-01-6	131.4	Trichloroethene	0.033	1.0	0.025	ppbv	I	0.18	5.4	0.13	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	1.0	0.021	ppbv	I	1.3	5.6	0.12	ug/m3
108-05-4	86	Vinyl acetate	0.33	1.0	0.022	ppbv	I	1.2	3.5	0.077	ug/m3
593-60-2	106.9	Vinyl Bromide	0.024 U	1.0	0.024	ppbv		0.10 U	4.4	0.10	ug/m3
75-01-4	62.5	Vinyl chloride	0.041	1.0	0.024	ppbv	I	0.10	2.6	0.061	ug/m3
	106.2	m,p-Xylene	1.2	1.0	0.023	ppbv		5.2	4.3	0.10	ug/m3
95-47-6	106.2	o-Xylene	0.38	1.0	0.011	ppbv	I	1.7	4.3	0.048	ug/m3
1330-20-7	106.2	Xylenes, Total	1.5	1.0	0.023	ppbv		6.5	4.3	0.10	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	100%	100%	95%	65-128%

- (a) Not Florida NELAP certified.
 (b) Result is from Run# 3
 (c) Not NELAC certified.
 (d) Result is from Run# 2

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Report of Analysis

Client Sample ID:	MAG-4	Date Sampled:	08/01/23
Lab Sample ID:	TD86414-4	Date Received:	08/03/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1L2308066.D	3.2	08/04/23 06:21	KS	n/a	n/a	V1L1024
Run #2	1L2308050.D	8	08/03/23 20:39	KS	n/a	n/a	V1L1024
Run #3	1L2308065.D	16	08/04/23 05:44	KS	n/a	n/a	V1L1024

	Initial Volume
Run #1	400 ml
Run #2	400 ml
Run #3	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
67-64-1	58.08	Acetone ^a	261 ^b	16	0.23	ppbv		620 ^b	38	0.55	ug/m3
107-02-8	56	Acrolein ^a	0.96	1.6	0.078	ppbv	I	2.2	3.7	0.18	ug/m3
107-13-1	53	Acrylonitrile ^a	0.12	1.6	0.049	ppbv	I	0.26	3.5	0.11	ug/m3
107-05-1	76.53	Allyl chloride ^a	0.055 U	3.2	0.055	ppbv		0.17 U	10	0.17	ug/m3
106-99-0	54.09	1,3-Butadiene	0.18	3.2	0.044	ppbv	I	0.40	7.1	0.097	ug/m3
71-43-2	78.11	Benzene	0.57	1.6	0.026	ppbv	I	1.8	5.1	0.083	ug/m3
100-44-7	126	Benzyl Chloride	0.051	1.6	0.014	ppbv	I	0.26	8.2	0.072	ug/m3
75-27-4	163.8	Bromodichloromethane ^a	0.075	1.6	0.031	ppbv	I	0.50	11	0.21	ug/m3
75-25-2	252.8	Bromoform	0.025 U	1.6	0.025	ppbv		0.26 U	17	0.26	ug/m3
74-83-9	94.94	Bromomethane	0.029 U	1.6	0.029	ppbv		0.11 U	6.2	0.11	ug/m3
78-93-3	72.11	2-Butanone	1.4	1.6	0.038	ppbv	I	4.1	4.7	0.11	ug/m3
104-51-8	134	n-Butylbenzene ^a	0.019 U	1.6	0.019	ppbv		0.10 U	8.8	0.10	ug/m3
135-98-8	134	sec-Butylbenzene ^a	0.033 U	1.6	0.033	ppbv		0.18 U	8.8	0.18	ug/m3
75-15-0	76.14	Carbon disulfide ^a	0.19	1.6	0.020	ppbv	I	0.59	5.0	0.062	ug/m3
56-23-5	153.8	Carbon tetrachloride ^a	0.059	1.6	0.033	ppbv	I	0.37	10	0.21	ug/m3
108-90-7	112.6	Chlorobenzene	0.028 U	1.6	0.028	ppbv		0.13 U	7.4	0.13	ug/m3
75-00-3	64.52	Chloroethane	0.041 U	1.6	0.041	ppbv		0.11 U	4.2	0.11	ug/m3
67-66-3	119.4	Chloroform	0.74	1.6	0.028	ppbv	I	3.6	7.8	0.14	ug/m3
74-87-3	50.49	Chloromethane	0.32	1.6	0.044	ppbv	I	0.66	3.3	0.091	ug/m3
110-82-7	84.16	Cyclohexane ^a	0.74	1.6	0.031	ppbv	I	2.5	5.5	0.11	ug/m3
124-48-1	208.3	Dibromochloromethane ^a	0.023 U	1.6	0.023	ppbv		0.20 U	14	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.027 U	1.6	0.027	ppbv		0.11 U	6.5	0.11	ug/m3
75-35-4	96.94	1,1-Dichloroethene	0.024 U	1.6	0.024	ppbv		0.095 U	6.3	0.095	ug/m3
106-93-4	187.9	1,2-Dibromoethane	0.027 U	1.6	0.027	ppbv		0.21 U	12	0.21	ug/m3
557-91-5	187.9	1,1-Dibromoethane ^c	0.032 U	1.6	0.032	ppbv		0.25 U	12	0.25	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.027 U	1.6	0.027	ppbv		0.11 U	6.5	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	0.025 U	1.6	0.025	ppbv		0.12 U	7.4	0.12	ug/m3
123-91-1	88	1,4-Dioxane	0.022 U	1.6	0.022	ppbv		0.079 U	5.8	0.079	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.51	1.6	0.035	ppbv	I	2.5	7.9	0.17	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethene	0.033 U	1.6	0.033	ppbv		0.13 U	6.3	0.13	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-4	Date Sampled:	08/01/23
Lab Sample ID:	TD86414-4	Date Received:	08/03/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
156-59-2	96.94	cis-1,2-Dichloroethene	0.030 U	1.6	0.030	ppbv		0.12 U	6.3	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.018 U	1.6	0.018	ppbv		0.082 U	7.3	0.082	ug/m3
95-50-1	147	1,2-Dichlorobenzene	0.027 U	1.6	0.027	ppbv		0.16 U	9.6	0.16	ug/m3
541-73-1	147	1,3-Dichlorobenzene	0.26	1.6	0.025	ppbv	I	1.6	9.6	0.15	ug/m3
106-46-7	147	1,4-Dichlorobenzene	0.028 U	1.6	0.028	ppbv		0.17 U	9.6	0.17	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.032 U	1.6	0.032	ppbv		0.15 U	7.3	0.15	ug/m3
76-14-2	170.9	1,2-Dichlorotetrafluoroethane	0.033 U	1.6	0.033	ppbv		0.23 U	11	0.23	ug/m3
108-20-3	102	Di-Isopropyl ether ^a	0.025 U	3.2	0.025	ppbv		0.10 U	13	0.10	ug/m3
64-17-5	46	Ethanol ^a	147 ^d	8.0	0.28	ppbv		277 ^d	15	0.53	ug/m3
100-41-4	106.2	Ethylbenzene	0.19	1.6	0.027	ppbv	I	0.83	6.9	0.12	ug/m3
141-78-6	88	Ethyl Acetate ^a	0.062 U	1.6	0.062	ppbv		0.22 U	5.8	0.22	ug/m3
637-92-3	102	Ethyl tert-Butyl Ether ^a	0.024 U	3.2	0.024	ppbv		0.10 U	13	0.10	ug/m3
622-96-8	120.2	4-Ethyltoluene ^a	0.076	3.2	0.045	ppbv	I	0.37	16	0.22	ug/m3
142-82-5	100.2	Heptane	0.67	1.6	0.024	ppbv	I	2.7	6.6	0.098	ug/m3
87-68-3	260.8	Hexachloro-1,3-butadiene	0.021 U	1.6	0.021	ppbv		0.22 U	17	0.22	ug/m3
110-54-3	86.17	Hexane ^a	57.1	1.6	0.028	ppbv		201	5.6	0.099	ug/m3
591-78-6	100	2-Hexanone ^a	0.12	1.6	0.041	ppbv	I	0.49	6.5	0.17	ug/m3
98-82-8	120	Isopropylbenzene ^a	0.030 U	1.6	0.030	ppbv		0.15 U	7.9	0.15	ug/m3
67-63-0	60	Isopropanol ^a	219 ^b	16	0.23	ppbv		537 ^b	39	0.56	ug/m3
99-87-6	134	p-Isopropyltoluene ^c	0.053	1.6	0.022	ppbv	I	0.29	8.8	0.12	ug/m3
75-09-2	84.94	Methylene chloride	90.6 ^d	4.0	0.11	ppbv		315 ^d	14	0.38	ug/m3
108-10-1	100.2	4-Methyl-2-pentanone	0.079	1.6	0.025	ppbv	I	0.32	6.6	0.10	ug/m3
1634-04-4	88.15	Methyl Tert-Butyl Ether	0.032 U	1.6	0.032	ppbv		0.12 U	5.8	0.12	ug/m3
80-62-6	100	Methyl methacrylate ^a	0.020 U	1.6	0.020	ppbv		0.082 U	6.5	0.082	ug/m3
91-20-3	128.17	Naphthalene ^a	0.044 U	1.6	0.044	ppbv		0.23 U	8.4	0.23	ug/m3
109-66-0	72	Pentane ^a	1.9	1.6	0.036	ppbv		5.6	4.7	0.11	ug/m3
103-65-1	120	n-Propylbenzene ^a	0.039	1.6	0.027	ppbv	I	0.19	7.9	0.13	ug/m3
115-07-1	42	Propene ^a	2.0	1.6	0.26	ppbv		3.4	2.7	0.45	ug/m3
100-42-5	104.1	Styrene	0.14	1.6	0.022	ppbv	I	0.60	6.8	0.094	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	0.024 U	1.6	0.024	ppbv		0.16 U	11	0.16	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.14	1.6	0.035	ppbv	I	0.76	8.7	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.027 U	1.6	0.027	ppbv		0.15 U	8.7	0.15	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.031 U	1.6	0.031	ppbv		0.23 U	12	0.23	ug/m3
76-13-1	187.4	1,1,2-Trichlorotrifluoroethane	0.10	1.6	0.041	ppbv	I	0.77	12	0.31	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.25	1.6	0.017	ppbv	I	1.2	7.9	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.057	1.6	0.020	ppbv	I	0.28	7.9	0.098	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.15	1.6	0.022	ppbv	I	0.70	7.5	0.10	ug/m3
75-65-0	74.12	t-Butyl Alcohol ^a	3.2	3.2	0.021	ppbv		9.7	9.7	0.064	ug/m3
994-05-8	102	tert Amyl Methyl Ether ^a	0.029 U	3.2	0.029	ppbv		0.12 U	13	0.12	ug/m3
127-18-4	165.8	Tetrachloroethene	154 ^b	8.0	0.22	ppbv		1040 ^b	54	1.5	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-4	Date Sampled:	08/01/23
Lab Sample ID:	TD86414-4	Date Received:	08/03/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
109-99-9	72	Tetrahydrofuran ^a	1.1	1.6	0.045	ppbv	I	3.2	4.7	0.13	ug/m3
108-88-3	92.14	Toluene	4.1	1.6	0.028	ppbv		15	6.0	0.11	ug/m3
79-01-6	131.4	Trichloroethene	0.31	1.6	0.040	ppbv	I	1.7	8.6	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.21	1.6	0.034	ppbv	I	1.2	9.0	0.19	ug/m3
108-05-4	86	Vinyl acetate	0.036 U	1.6	0.036	ppbv		0.13 U	5.6	0.13	ug/m3
593-60-2	106.9	Vinyl Bromide	0.038 U	1.6	0.038	ppbv		0.17 U	7.0	0.17	ug/m3
75-01-4	62.5	Vinyl chloride	0.045	1.6	0.039	ppbv	I	0.12	4.1	0.10	ug/m3
	106.2	m,p-Xylene	0.73	1.6	0.037	ppbv	I	3.2	6.9	0.16	ug/m3
95-47-6	106.2	o-Xylene	0.26	1.6	0.017	ppbv	I	1.1	6.9	0.074	ug/m3
1330-20-7	106.2	Xylenes, Total	0.98	1.6	0.037	ppbv	I	4.3	6.9	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	99%	95%	94%	65-128%

- (a) Not Florida NELAP certified.
- (b) Result is from Run# 3
- (c) Not NELAC certified.
- (d) Result is from Run# 2

U = Not detected MDL = Method Detection Limit I = Result > = MDL but < PQL J = Estimated value
PQL = Practical Quantitation Limit V = Indicates analyte found in associated method blank
L = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-5	Date Sampled:	08/01/23
Lab Sample ID:	TD86414-5	Date Received:	08/03/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1L2308054.D	4	08/03/23 23:14	KS	n/a	n/a	V1L1024
Run #2	1L2308046.D	8	08/03/23 18:18	KS	n/a	n/a	V1L1024
Run #3	1L2308053.D	32	08/03/23 22:38	KS	n/a	n/a	V1L1024

	Initial Volume
Run #1	400 ml
Run #2	400 ml
Run #3	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
67-64-1	58.08	Acetone ^a	259 ^b	32	0.45	ppbv		615 ^b	76	1.1	ug/m3
107-02-8	56	Acrolein ^a	1.1	2.0	0.098	ppbv	I	2.5	4.6	0.22	ug/m3
107-13-1	53	Acrylonitrile ^a	0.062 U	2.0	0.062	ppbv		0.13 U	4.3	0.13	ug/m3
107-05-1	76.53	Allyl chloride ^a	0.069 U	4.0	0.069	ppbv		0.22 U	13	0.22	ug/m3
106-99-0	54.09	1,3-Butadiene	2.6	4.0	0.056	ppbv	I	5.8	8.8	0.12	ug/m3
71-43-2	78.11	Benzene	2.9	2.0	0.033	ppbv		9.3	6.4	0.11	ug/m3
100-44-7	126	Benzyl Chloride	0.061	2.0	0.017	ppbv	I	0.31	10	0.088	ug/m3
75-27-4	163.8	Bromodichloromethane ^a	1.3	2.0	0.039	ppbv	I	8.7	13	0.26	ug/m3
75-25-2	252.8	Bromoform	0.032 U	2.0	0.032	ppbv		0.33 U	21	0.33	ug/m3
74-83-9	94.94	Bromomethane	0.037 U	2.0	0.037	ppbv		0.14 U	7.8	0.14	ug/m3
78-93-3	72.11	2-Butanone	3.0	2.0	0.048	ppbv		8.8	5.9	0.14	ug/m3
104-51-8	134	n-Butylbenzene ^a	0.058	2.0	0.024	ppbv	I	0.32	11	0.13	ug/m3
135-98-8	134	sec-Butylbenzene ^a	0.042 U	2.0	0.042	ppbv		0.23 U	11	0.23	ug/m3
75-15-0	76.14	Carbon disulfide ^a	1.0	2.0	0.024	ppbv	I	3.1	6.2	0.075	ug/m3
56-23-5	153.8	Carbon tetrachloride ^a	0.12	2.0	0.041	ppbv	I	0.75	13	0.26	ug/m3
108-90-7	112.6	Chlorobenzene	0.036 U	2.0	0.036	ppbv		0.17 U	9.2	0.17	ug/m3
75-00-3	64.52	Chloroethane	0.24	2.0	0.051	ppbv	I	0.63	5.3	0.13	ug/m3
67-66-3	119.4	Chloroform	21.2	2.0	0.034	ppbv		104	9.8	0.17	ug/m3
74-87-3	50.49	Chloromethane	0.54	2.0	0.054	ppbv	I	1.1	4.1	0.11	ug/m3
110-82-7	84.16	Cyclohexane ^a	1.2	2.0	0.038	ppbv	I	4.1	6.9	0.13	ug/m3
124-48-1	208.3	Dibromochloromethane ^a	0.099	2.0	0.029	ppbv	I	0.84	17	0.25	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.034 U	2.0	0.034	ppbv		0.14 U	8.1	0.14	ug/m3
75-35-4	96.94	1,1-Dichloroethene	0.056	2.0	0.030	ppbv	I	0.22	7.9	0.12	ug/m3
106-93-4	187.9	1,2-Dibromoethane	0.033 U	2.0	0.033	ppbv		0.25 U	15	0.25	ug/m3
557-91-5	187.9	1,1-Dibromoethane ^c	0.040 U	2.0	0.040	ppbv		0.31 U	15	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.034 U	2.0	0.034	ppbv		0.14 U	8.1	0.14	ug/m3
78-87-5	113	1,2-Dichloropropane	0.039	2.0	0.032	ppbv	I	0.18	9.2	0.15	ug/m3
123-91-1	88	1,4-Dioxane	0.028 U	2.0	0.028	ppbv		0.10 U	7.2	0.10	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.57	2.0	0.044	ppbv	I	2.8	9.9	0.22	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethene	0.041 U	2.0	0.041	ppbv		0.16 U	7.9	0.16	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-5	Date Sampled:	08/01/23
Lab Sample ID:	TD86414-5	Date Received:	08/03/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
156-59-2	96.94	cis-1,2-Dichloroethene	0.037 U	2.0	0.037	ppbv		0.15 U	7.9	0.15	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.023 U	2.0	0.023	ppbv		0.10 U	9.1	0.10	ug/m3
95-50-1	147	1,2-Dichlorobenzene	0.033 U	2.0	0.033	ppbv		0.20 U	12	0.20	ug/m3
541-73-1	147	1,3-Dichlorobenzene	0.98	2.0	0.031	ppbv	I	5.9	12	0.19	ug/m3
106-46-7	147	1,4-Dichlorobenzene	0.038	2.0	0.035	ppbv	I	0.23	12	0.21	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.040 U	2.0	0.040	ppbv		0.18 U	9.1	0.18	ug/m3
76-14-2	170.9	1,2-Dichlorotetrafluoroethane	0.041 U	2.0	0.041	ppbv		0.29 U	14	0.29	ug/m3
108-20-3	102	Di-Isopropyl ether ^a	0.032 U	4.0	0.032	ppbv		0.13 U	17	0.13	ug/m3
64-17-5	46	Ethanol ^a	178 ^b	32	1.1	ppbv		335 ^b	60	2.1	ug/m3
100-41-4	106.2	Ethylbenzene	0.47	2.0	0.033	ppbv	I	2.0	8.7	0.14	ug/m3
141-78-6	88	Ethyl Acetate ^a	0.078 U	2.0	0.078	ppbv		0.28 U	7.2	0.28	ug/m3
637-92-3	102	Ethyl tert-Butyl Ether ^a	0.030 U	4.0	0.030	ppbv		0.13 U	17	0.13	ug/m3
622-96-8	120.2	4-Ethyltoluene ^a	0.20	4.0	0.056	ppbv	I	0.98	20	0.28	ug/m3
142-82-5	100.2	Heptane	2.3	2.0	0.030	ppbv		9.4	8.2	0.12	ug/m3
87-68-3	260.8	Hexachloro-1,3-butadiene	0.026 U	2.0	0.026	ppbv		0.28 U	21	0.28	ug/m3
110-54-3	86.17	Hexane ^a	49.7	2.0	0.035	ppbv		175	7.0	0.12	ug/m3
591-78-6	100	2-Hexanone ^a	0.30	2.0	0.051	ppbv	I	1.2	8.2	0.21	ug/m3
98-82-8	120	Isopropylbenzene ^a	0.053	2.0	0.038	ppbv	I	0.26	9.8	0.19	ug/m3
67-63-0	60	Isopropanol ^a	456 ^b	32	0.45	ppbv		1120 ^b	79	1.1	ug/m3
99-87-6	134	p-Isopropyltoluene ^c	0.12	2.0	0.027	ppbv	I	0.66	11	0.15	ug/m3
75-09-2	84.94	Methylene chloride	81.4 ^d	4.0	0.11	ppbv		283 ^d	14	0.38	ug/m3
108-10-1	100.2	4-Methyl-2-pentanone	0.15	2.0	0.032	ppbv	I	0.61	8.2	0.13	ug/m3
1634-04-4	88.15	Methyl Tert-Butyl Ether	0.040 U	2.0	0.040	ppbv		0.14 U	7.2	0.14	ug/m3
80-62-6	100	Methyl methacrylate ^a	0.024 U	2.0	0.024	ppbv		0.098 U	8.2	0.098	ug/m3
91-20-3	128.17	Naphthalene ^a	0.12	2.0	0.054	ppbv	I	0.63	10	0.28	ug/m3
109-66-0	72	Pentane ^a	10	2.0	0.046	ppbv		29	5.9	0.14	ug/m3
103-65-1	120	n-Propylbenzene ^a	0.13	2.0	0.033	ppbv	I	0.64	9.8	0.16	ug/m3
115-07-1	42	Propene ^a	18.9	2.0	0.32	ppbv		32.5	3.4	0.55	ug/m3
100-42-5	104.1	Styrene	0.24	2.0	0.028	ppbv	I	1.0	8.5	0.12	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	0.030 U	2.0	0.030	ppbv		0.21 U	14	0.21	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.043 U	2.0	0.043	ppbv		0.23 U	11	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.034 U	2.0	0.034	ppbv		0.19 U	11	0.19	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.038 U	2.0	0.038	ppbv		0.28 U	15	0.28	ug/m3
76-13-1	187.4	1,1,2-Trichlorotrifluoroethane	0.19	2.0	0.052	ppbv	I	1.5	15	0.40	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.90	2.0	0.021	ppbv	I	4.4	9.8	0.10	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.18	2.0	0.026	ppbv	I	0.88	9.8	0.13	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	1.1	2.0	0.027	ppbv	I	5.1	9.3	0.13	ug/m3
75-65-0	74.12	t-Butyl Alcohol ^a	3.3	4.0	0.027	ppbv	I	10	12	0.082	ug/m3
994-05-8	102	tert Amyl Methyl Ether ^a	0.037 U	4.0	0.037	ppbv		0.15 U	17	0.15	ug/m3
127-18-4	165.8	Tetrachloroethene	53.6	2.0	0.055	ppbv		363	14	0.37	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-5	Date Sampled:	08/01/23
Lab Sample ID:	TD86414-5	Date Received:	08/03/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
109-99-9	72	Tetrahydrofuran ^a	5.4	2.0	0.056	ppbv		16	5.9	0.16	ug/m3
108-88-3	92.14	Toluene	5.9	2.0	0.035	ppbv		22	7.5	0.13	ug/m3
79-01-6	131.4	Trichloroethene	0.066	2.0	0.050	ppbv	I	0.35	11	0.27	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.34	2.0	0.042	ppbv	I	1.9	11	0.24	ug/m3
108-05-4	86	Vinyl acetate	0.044 U	2.0	0.044	ppbv		0.15 U	7.0	0.15	ug/m3
593-60-2	106.9	Vinyl Bromide	0.048 U	2.0	0.048	ppbv		0.21 U	8.7	0.21	ug/m3
75-01-4	62.5	Vinyl chloride	0.062	2.0	0.048	ppbv	I	0.16	5.1	0.12	ug/m3
	106.2	m,p-Xylene	1.6	2.0	0.046	ppbv	I	6.9	8.7	0.20	ug/m3
95-47-6	106.2	o-Xylene	0.64	2.0	0.022	ppbv	I	2.8	8.7	0.096	ug/m3
1330-20-7	106.2	Xylenes, Total	2.3	2.0	0.046	ppbv		10	8.7	0.20	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	100%	103%	95%	65-128%

- (a) Not Florida NELAP certified.
 (b) Result is from Run# 3
 (c) Not NELAC certified.
 (d) Result is from Run# 2

U = Not detected MDL = Method Detection Limit
 PQL = Practical Quantitation Limit
 L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS North America Inc - Orlando

Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, FL 32811
TEL: 407-425-6700 FAX: 407-425-0707

SGS - ORLANDO JOB # :

PAGE 1 OF 1

SGS - ORLANDO Quote #

SKIFF #

TD86414

Client / Reporting Information				Project Information				Analytical Information										Matrix Codes													
Company Name: APTIM				Project Name: Crystal Cleaners														DW - Drinking Water													
Address: 1228 Winter Garden Vineyard Rd				Street														GW - Ground Water													
City: Winter Garden		State: FL		Zip: 34787		City: West Palm Beach		State: FL												WW - Water											
Project Contact: Kurtis McDonald				Project #														SW - Surface Water													
Email: Kurtis.McDonald@APTIM.com				Fax #														SO - Soil													
Phone #: 407 463 8757				Client Purchase Order #														SL - Sludge													
Sampler(s) Name(s) (Printed)																		OI - Oil													
Sampler 1: Kurtis				Sampler 2:														LIQ - Other Liquid													
																		AIR - Air													
																		SOL - Other Solid													
SGS Orlando Sample #		Field ID / Point of Collection		DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	KONE	KCI	NOVA	IN03	IN04	IN05	IN06	IN07	IN08	IN09	IN10	IN11	IN12	IN13	IN14	IN15	IN16	IN17	IN18	IN19	IN20	LAB USE ONLY
1	MAG-1	8-1-23	20:12	KM	AIR	1																									
2	MAG-2		20:52			1																									
3	MAG-3		21:32			1																									
4	MAG-4		22:12			1																									
5	MAG-5		22:50			1																									
Turnaround Time (Business days)				Data Deliverable Information										Comments / Remarks																	
10 Day (Business) Approved By / Date:				☐ COMMERCIAL "A" (RESULTS ONLY) ☐ COMMERCIAL "B" (RESULTS PLUS QC) ☐ REDT1 (EPA LEVEL 3) ☐ FULLT1 (EPA LEVEL 4) ☐ EDD'S																											
7 Day																															
5 Day																															
3 Day RUSH																															
2 Day RUSH																															
1 Day RUSH																															
Other																															
Rush T/A Data Available VIA Email or Lablink																															
Relinquished by Sampler/Affiliation		Date Time:		Received By/Affiliation		Relinquished By/Affiliation		Date Time:		Received By/Affiliation		Relinquished by/Affiliation		Date Time:		Received By/Affiliation															
1				2		3		8/2/23		APTIM		4		8-2-23 8:38		5															
Relinquished by/Affiliation		Date Time:		Received By/Affiliation		Relinquished By/Affiliation		Date Time:		Received By/Affiliation		Relinquished by/Affiliation		Date Time:		Received By/Affiliation															
5				6		7		16:00				8				9															
Lab Use Only : Cooler Temperature (s) Celsius (corrected):																															
http://www.sgs.com/en/terms-and-conditions																															

ORLD-SMT-0001-03-FORM-COC (4).xls Rev 031318

<http://www.sgs.com/en/terms-and-conditions>

TD86414: Chain of Custody

Page 1 of 2



SGS Sample Receipt Summary

Job Number: td86414 **Client:** APTIM **Project:** CRYSTAL CLEANERS
Date / Time Received: 8/3/2023 4:00:00 PM **Delivery Method:** FEDEX **Airbill #'s:** 580132510173

Cooler Temps (Raw Measured) °C: Cooler 1: (24.2);

Cooler Temps (Corrected) °C: Cooler 1: (24.5);

<u>Cooler Security</u>	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>N</u>
1. Custody Seals Present:	☒		☐	3. COC Present:	☒		☐
2. Custody Seals Intact:	☒		☐	4. Smpl Dates/Time OK	☒		☐

<u>Cooler Temperature</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Temp criteria achieved:	☒		☐
2. Cooler temp verification:			
3. Cooler media:	No Ice		
4. No. Coolers:	1		

<u>Quality Control Preservation</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	☐		☐	☒
2. Trip Blank listed on COC:	☐		☐	☒
3. Samples preserved properly:	☒		☐	
4. VOCs headspace free:	☐		☐	☒

<u>Sample Integrity - Documentation</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	☒		☐
2. Container labeling complete:	☒		☐
3. Sample container label / COC agree:	☒		☐

<u>Sample Integrity - Condition</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	☒		☐
2. All containers accounted for:	☒		☐
3. Condition of sample:	Intact		

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	☒		☐	
2. Bottles received for unspecified tests	☐		☒	
3. Sufficient volume recvd for analysis:	☒		☐	
4. Compositing instructions clear:	☐		☐	☒
5. Filtering instructions clear:	☐		☐	☒

Test Strip Lot #s:	pH 1-12: <u>10D2191</u>	pH 12+: _____	Other: (Specify) _____

Comments

SM089-03
Rev. Date 12/7/17

TD86414: Chain of Custody

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MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 3

Job Number: TD86414
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1L1024-MB	1L2308044.D	1	08/03/23	KS	n/a	n/a	V1L1024

The QC reported here applies to the following samples:

Method: TO-15

TD86414-1, TD86414-2, TD86414-3, TD86414-4, TD86414-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	0.19	1.0	0.014	ppbv	J	0.45	2.4	ug/m3
107-02-8	Acrolein	0.029	0.50	0.024	ppbv	J	0.066	1.1	ug/m3
107-13-1	Acrylonitrile	ND	0.50	0.015	ppbv		ND	1.1	ug/m3
107-05-1	Allyl chloride	ND	1.0	0.017	ppbv		ND	3.1	ug/m3
106-99-0	1,3-Butadiene	ND	1.0	0.014	ppbv		ND	2.2	ug/m3
71-43-2	Benzene	ND	0.50	0.0082	ppbv		ND	1.6	ug/m3
100-44-7	Benzyl Chloride	0.0080	0.50	0.0043	ppbv	J	0.041	2.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	0.0097	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	0.0079	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	0.0092	ppbv		ND	1.9	ug/m3
78-93-3	2-Butanone	0.023	0.50	0.012	ppbv	J	0.068	1.5	ug/m3
104-51-8	n-Butylbenzene	ND	0.50	0.0059	ppbv		ND	2.7	ug/m3
135-98-8	sec-Butylbenzene	ND	0.50	0.010	ppbv		ND	2.7	ug/m3
75-15-0	Carbon disulfide	ND	0.50	0.0061	ppbv		ND	1.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	0.010	ppbv		ND	3.1	ug/m3
108-90-7	Chlorobenzene	ND	0.50	0.0089	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.50	0.013	ppbv		ND	1.3	ug/m3
67-66-3	Chloroform	ND	0.50	0.0086	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	0.014	ppbv		ND	1.0	ug/m3
110-82-7	Cyclohexane	ND	0.50	0.0096	ppbv		ND	1.7	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	0.0072	ppbv		ND	4.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	0.0085	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethene	ND	0.50	0.0074	ppbv		ND	2.0	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	0.0083	ppbv		ND	3.8	ug/m3
557-91-5	1,1-Dibromoethane	ND	0.50	0.0099	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	0.0084	ppbv		ND	2.0	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	0.0079	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	0.0070	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	0.011	ppbv		ND	2.5	ug/m3
156-60-5	trans-1,2-Dichloroethene	ND	0.50	0.010	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.0093	ppbv		ND	2.0	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.0057	ppbv		ND	2.3	ug/m3
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.0083	ppbv		ND	3.0	ug/m3
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.0078	ppbv		ND	3.0	ug/m3
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.0088	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.010	ppbv		ND	2.3	ug/m3

Method Blank Summary

Page 2 of 3

Job Number: TD86414
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1L1024-MB	1L2308044.D	1	08/03/23	KS	n/a	n/a	V1L1024

The QC reported here applies to the following samples:

Method: TO-15

TD86414-1, TD86414-2, TD86414-3, TD86414-4, TD86414-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-14-2	1,2-Dichlorotetrafluoroethane	ND	0.50	0.010	ppbv		ND	3.5	ug/m3
108-20-3	Di-Isopropyl ether	ND	1.0	0.0079	ppbv		ND	4.2	ug/m3
64-17-5	Ethanol	0.067	1.0	0.035	ppbv	J	0.13	1.9	ug/m3
100-41-4	Ethylbenzene	ND	0.50	0.0083	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	0.019	ppbv		ND	1.8	ug/m3
637-92-3	Ethyl tert-Butyl Ether	ND	1.0	0.0076	ppbv		ND	4.2	ug/m3
622-96-8	4-Ethyltoluene	ND	1.0	0.014	ppbv		ND	4.9	ug/m3
142-82-5	Heptane	ND	0.50	0.0075	ppbv		ND	2.0	ug/m3
87-68-3	Hexachloro-1,3-butadiene	0.0097	0.50	0.0066	ppbv	J	0.10	5.3	ug/m3
110-54-3	Hexane	ND	0.50	0.0088	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	0.013	ppbv		ND	2.0	ug/m3
98-82-8	Isopropylbenzene	ND	0.50	0.0094	ppbv		ND	2.5	ug/m3
67-63-0	Isopropanol	0.044	1.0	0.014	ppbv	J	0.11	2.5	ug/m3
99-87-6	p-Isopropyltoluene	ND	0.50	0.0068	ppbv		ND	2.7	ug/m3
75-09-2	Methylene chloride	ND	0.50	0.014	ppbv		ND	1.7	ug/m3
108-10-1	4-Methyl-2-pentanone	ND	0.50	0.0079	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert-Butyl Ether	ND	0.50	0.0099	ppbv		ND	1.8	ug/m3
80-62-6	Methyl methacrylate	ND	0.50	0.0061	ppbv		ND	2.0	ug/m3
91-20-3	Naphthalene	0.015	0.50	0.014	ppbv	J	0.079	2.6	ug/m3
109-66-0	Pentane	ND	0.50	0.011	ppbv		ND	1.5	ug/m3
103-65-1	n-Propylbenzene	ND	0.50	0.0083	ppbv		ND	2.5	ug/m3
115-07-1	Propene	0.085	0.50	0.080	ppbv	J	0.15	0.86	ug/m3
100-42-5	Styrene	ND	0.50	0.0070	ppbv		ND	2.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.0076	ppbv		ND	3.4	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.011	ppbv		ND	2.7	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.0084	ppbv		ND	2.7	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.011	0.50	0.0096	ppbv	J	0.082	3.7	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	0.50	0.013	ppbv		ND	3.8	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.0052	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.0064	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	0.0068	ppbv		ND	2.3	ug/m3
75-65-0	t-Butyl Alcohol	0.012	1.0	0.0067	ppbv	J	0.036	3.0	ug/m3
994-05-8	tert Amyl Methyl Ether	ND	1.0	0.0092	ppbv		ND	4.2	ug/m3
127-18-4	Tetrachloroethene	ND	0.50	0.014	ppbv		ND	3.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	0.014	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	0.0088	ppbv		ND	1.9	ug/m3

Method Blank Summary

Job Number: TD86414
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1L1024-MB	1L2308044.D	1	08/03/23	KS	n/a	n/a	V1L1024

The QC reported here applies to the following samples: Method: TO-15

TD86414-1, TD86414-2, TD86414-3, TD86414-4, TD86414-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
79-01-6	Trichloroethene	ND	0.50	0.013	ppbv		ND	2.7	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	0.011	ppbv		ND	2.8	ug/m3
108-05-4	Vinyl acetate	0.012	0.50	0.011	ppbv	J	0.042	1.8	ug/m3
593-60-2	Vinyl Bromide	ND	0.50	0.012	ppbv		ND	2.2	ug/m3
75-01-4	Vinyl chloride	ND	0.50	0.012	ppbv		ND	1.3	ug/m3
	m,p-Xylene	ND	0.50	0.012	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	0.0054	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes, Total	ND	0.50	0.012	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries	Limits
460-00-4	4-Bromofluorobenzene	98% 65-128%

Laboratory Control Sample Summary

Page 1 of 3

Job Number: TD86414
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1L1024-LCS	1L2308042.D	1	08/03/23	KS	n/a	n/a	V1L1024

The QC reported here applies to the following samples:

Method: TO-15

TD86414-1, TD86414-2, TD86414-3, TD86414-4, TD86414-5

CAS No.	Compound	Spike ppbv	LCS ppbv	LCS %	Limits
67-64-1	Acetone	10	8.3	83	52-151
107-02-8	Acrolein	10	9.4	94	47-166
107-13-1	Acrylonitrile	10	8.8	88	38-179
107-05-1	Allyl chloride	20	17.9	90	38-186
106-99-0	1,3-Butadiene	20	17.9	90	55-158
71-43-2	Benzene	10	9.8	98	53-148
100-44-7	Benzyl Chloride	10	10.1	101	73-151
75-27-4	Bromodichloromethane	10	9.7	97	55-151
75-25-2	Bromoform	10	10.3	103	59-165
74-83-9	Bromomethane	10	8.3	83	62-143
78-93-3	2-Butanone	10	8.9	89	63-146
104-51-8	n-Butylbenzene	10	10.5	105	63-156
135-98-8	sec-Butylbenzene	10	10.3	103	64-149
75-15-0	Carbon disulfide	10	9.5	95	38-184
56-23-5	Carbon tetrachloride	10	10.7	107	51-156
108-90-7	Chlorobenzene	10	9.7	97	62-135
75-00-3	Chloroethane	10	8.5	85	61-145
67-66-3	Chloroform	10	9.5	95	64-132
74-87-3	Chloromethane	10	9.9	99	52-149
110-82-7	Cyclohexane	10	9.5	95	61-148
124-48-1	Dibromochloromethane	10	10.0	100	67-144
75-34-3	1,1-Dichloroethane	10	9.1	91	62-128
75-35-4	1,1-Dichloroethene	10	8.9	89	55-164
106-93-4	1,2-Dibromoethane	10	9.4	94	62-145
557-91-5	1,1-Dibromoethane	10	10.4	104	50-150 ^a
107-06-2	1,2-Dichloroethane	10	9.2	92	58-143
78-87-5	1,2-Dichloropropane	10	9.5	95	45-155
123-91-1	1,4-Dioxane	10	10.1	101	36-169
75-71-8	Dichlorodifluoromethane	10	9.7	97	59-141
156-60-5	trans-1,2-Dichloroethene	10	9.2	92	66-128
156-59-2	cis-1,2-Dichloroethene	10	9.4	94	59-144
10061-01-5	cis-1,3-Dichloropropene	10	10.7	107	57-162
95-50-1	1,2-Dichlorobenzene	10	9.9	99	48-158
541-73-1	1,3-Dichlorobenzene	10	9.8	98	52-158
106-46-7	1,4-Dichlorobenzene	10	9.7	97	50-158
10061-02-6	trans-1,3-Dichloropropene	10	9.7	97	60-160

* = Outside of Control Limits.

Laboratory Control Sample Summary

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Job Number: TD86414
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1L1024-LCS	1L2308042.D	1	08/03/23	KS	n/a	n/a	V1L1024

The QC reported here applies to the following samples:

Method: TO-15

TD86414-1, TD86414-2, TD86414-3, TD86414-4, TD86414-5

CAS No.	Compound	Spike ppbv	LCS ppbv	LCS %	Limits
76-14-2	1,2-Dichlorotetrafluoroethane	10	8.8	88	60-145
108-20-3	Di-Isopropyl ether	10	9.4	94	58-148
64-17-5	Ethanol	10	9.0	90	42-166
100-41-4	Ethylbenzene	10	10.3	103	61-157
141-78-6	Ethyl Acetate	10	9.2	92	61-140
637-92-3	Ethyl tert-Butyl Ether	10	9.9	99	61-146
622-96-8	4-Ethyltoluene	20	20.0	100	58-159
142-82-5	Heptane	10	9.2	92	62-149
87-68-3	Hexachloro-1,3-butadiene	10	10	100	26-191
110-54-3	Hexane	10	9.1	91	61-142
591-78-6	2-Hexanone	10	9.6	96	61-164
98-82-8	Isopropylbenzene	10	10.2	102	66-145
67-63-0	Isopropanol	10	8.7	87	52-153
99-87-6	p-Isopropyltoluene	10	10.7	107	62-157
75-09-2	Methylene chloride	10	8.8	88	47-159
108-10-1	4-Methyl-2-pentanone	10	9.4	94	64-150
1634-04-4	Methyl Tert-Butyl Ether	10	9.5	95	63-141
80-62-6	Methyl methacrylate	10	10.3	103	58-154
91-20-3	Naphthalene	10	11.2	112	42-184
109-66-0	Pentane	10	8.5	85	47-170
103-65-1	n-Propylbenzene	10	10.8	108	66-154
115-07-1	Propene	10	8.1	81	47-159
100-42-5	Styrene	10	10.8	108	80-164
79-34-5	1,1,2,2-Tetrachloroethane	10	9.4	94	60-140
71-55-6	1,1,1-Trichloroethane	10	10.1	101	53-150
79-00-5	1,1,2-Trichloroethane	10	9.7	97	49-151
120-82-1	1,2,4-Trichlorobenzene	10	10.3	103	17-207
76-13-1	1,1,2-Trichlorotrifluoroethane	10	9.1	91	41-181
95-63-6	1,2,4-Trimethylbenzene	10	10.6	106	54-171
108-67-8	1,3,5-Trimethylbenzene	10	10	100	59-155
540-84-1	2,2,4-Trimethylpentane	10	9.1	91	61-146
75-65-0	t-Butyl Alcohol	10	9.3	93	50-170
994-05-8	tert Amyl Methyl Ether	10	10.3	103	60-150
127-18-4	Tetrachloroethene	10	10	100	58-150
109-99-9	Tetrahydrofuran	10	9.7	97	76-131
108-88-3	Toluene	10	10.2	102	66-146

* = Outside of Control Limits.

Laboratory Control Sample Summary

Page 3 of 3

Job Number: TD86414
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1L1024-LCS	1L2308042.D	1	08/03/23	KS	n/a	n/a	V1L1024

The QC reported here applies to the following samples:

Method: TO-15

TD86414-1, TD86414-2, TD86414-3, TD86414-4, TD86414-5

CAS No.	Compound	Spike ppbv	LCS ppbv	LCS %	Limits
79-01-6	Trichloroethene	10	10.0	100	54-150
75-69-4	Trichlorofluoromethane	10	9.0	90	48-173
108-05-4	Vinyl acetate	10	9.4	94	62-147
593-60-2	Vinyl Bromide	10	9.1	91	59-151
75-01-4	Vinyl chloride	10	9.1	91	61-142
	m,p-Xylene	20	20.3	102	45-168
95-47-6	o-Xylene	10	10.1	101	58-157
1330-20-7	Xylenes, Total	30	30.4	101	53-161

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	101%	65-128%

(a) Advisory control limits.

* = Outside of Control Limits.

Duplicate Summary

Page 1 of 3

Job Number: TD86414
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
TD86407-2DUP	1L2308052.D	2	08/03/23	KS	n/a	n/a	V1L1024
TD86407-2 ^a	1L2308051.D	2	08/03/23	KS	n/a	n/a	V1L1024

The QC reported here applies to the following samples:

Method: TO-15

TD86414-1, TD86414-2, TD86414-3, TD86414-4, TD86414-5

CAS No.	Compound	TD86407-2 ppbv	DUP Q	ppbv	Q	RPD	Limits
67-64-1	Acetone	9.4		9.1		3	25
107-02-8	Acrolein	0.31	J	0.32	J	3	25
107-13-1	Acrylonitrile	1.0 U		ND		nc	25
107-05-1	Allyl chloride	2.0 U		ND		nc	25
106-99-0	1,3-Butadiene	2.0 U		ND		nc	25
71-43-2	Benzene	0.19	J	0.18	J	5	25
100-44-7	Benzyl Chloride	0.028	J	0.028	J	0	25
75-27-4	Bromodichloromethane	1.0 U		ND		nc	25
75-25-2	Bromoform	1.0 U		ND		nc	25
74-83-9	Bromomethane	1.0 U		ND		nc	25
78-93-3	2-Butanone	0.37	J	0.35	J	6	25
104-51-8	n-Butylbenzene	1.0 U		0.013	J	200* ^b	25
135-98-8	sec-Butylbenzene	1.0 U		ND		nc	25
75-15-0	Carbon disulfide	0.022	J	0.022	J	0	25
56-23-5	Carbon tetrachloride	0.074	J	0.071	J	4	25
108-90-7	Chlorobenzene	1.0 U		ND		nc	25
75-00-3	Chloroethane	1.0 U		ND		nc	25
67-66-3	Chloroform	0.035	J	0.031	J	12	25
74-87-3	Chloromethane	0.64	J	0.65	J	2	25
110-82-7	Cyclohexane	1.7		1.7		0	25
124-48-1	Dibromochloromethane	1.0 U		ND		nc	25
75-34-3	1,1-Dichloroethane	1.0 U		ND		nc	25
75-35-4	1,1-Dichloroethene	1.0 U		ND		nc	25
106-93-4	1,2-Dibromoethane	1.0 U		ND		nc	25
557-91-5	1,1-Dibromoethane	1.0 U		ND		nc	30 ^c
107-06-2	1,2-Dichloroethane	0.037	J	0.041	J	10	25
78-87-5	1,2-Dichloropropane	0.020	J	0.019	J	5	25
123-91-1	1,4-Dioxane	1.0 U		ND		nc	25
75-71-8	Dichlorodifluoromethane	0.47	J	0.47	J	0	25
156-60-5	trans-1,2-Dichloroethene	1.0 U		ND		nc	25
156-59-2	cis-1,2-Dichloroethene	1.0 U		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	1.0 U		ND		nc	25
95-50-1	1,2-Dichlorobenzene	1.0 U		ND		nc	25
541-73-1	1,3-Dichlorobenzene	1.0 U		ND		nc	25
106-46-7	1,4-Dichlorobenzene	1.0 U		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	1.0 U		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: TD86414
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
TD86407-2DUP	1L2308052.D	2	08/03/23	KS	n/a	n/a	V1L1024
TD86407-2 ^a	1L2308051.D	2	08/03/23	KS	n/a	n/a	V1L1024

The QC reported here applies to the following samples:

Method: TO-15

TD86414-1, TD86414-2, TD86414-3, TD86414-4, TD86414-5

CAS No.	Compound	TD86407-2 ppbv	DUP Q	ppbv	Q	RPD	Limits
76-14-2	1,2-Dichlorotetrafluoroethane	1.0 U		ND		nc	25
108-20-3	Di-Isopropyl ether	2.0 U		ND		nc	25
64-17-5	Ethanol	19.1		19.4		2	25
100-41-4	Ethylbenzene	0.061	J	0.062	J	2	25
141-78-6	Ethyl Acetate	0.32	J	0.31	J	3	25
637-92-3	Ethyl tert-Butyl Ether	2.0 U		ND		nc	25
622-96-8	4-Ethyltoluene	0.055	J	0.054	J	2	25
142-82-5	Heptane	0.22	J	0.21	J	5	25
87-68-3	Hexachloro-1,3-butadiene	1.0 U		ND		nc	25
110-54-3	Hexane	0.14	J	0.14	J	0	25
591-78-6	2-Hexanone	0.041	J	0.048	J	16	25
98-82-8	Isopropylbenzene	0.023	J	0.025	J	8	25
67-63-0	Isopropanol	4.5		4.5		0	25
99-87-6	p-Isopropyltoluene	0.071	J	0.065	J	9	25
75-09-2	Methylene chloride	0.16	J	0.15	J	6	25
108-10-1	4-Methyl-2-pentanone	0.036	J	0.039	J	8	25
1634-04-4	Methyl Tert-Butyl Ether	1.0 U		ND		nc	25
80-62-6	Methyl methacrylate	1.0 U		ND		nc	25
91-20-3	Naphthalene	1.6		1.5		6	25
109-66-0	Pentane	0.35	J	0.34	J	3	25
103-65-1	n-Propylbenzene	0.027	J	0.032	J	17	25
115-07-1	Propene	0.26	J	0.19	J	31* ^b	25
100-42-5	Styrene	2.1		2.1		0	25
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		ND		nc	25
71-55-6	1,1,1-Trichloroethane	1.0 U		ND		nc	25
79-00-5	1,1,2-Trichloroethane	1.0 U		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	1.0 U		ND		nc	25
76-13-1	1,1,2-Trichlorotrifluoroethane	0.068	J	0.065	J	5	25
95-63-6	1,2,4-Trimethylbenzene	0.18	J	0.17	J	6	25
108-67-8	1,3,5-Trimethylbenzene	0.077	J	0.078	J	1	25
540-84-1	2,2,4-Trimethylpentane	0.039	J	0.045	J	14	25
75-65-0	t-Butyl Alcohol	0.096	J	0.092	J	4	25
994-05-8	tert Amyl Methyl Ether	2.0 U		ND		nc	25
127-18-4	Tetrachloroethene	0.033	J	ND		200* ^b	25
109-99-9	Tetrahydrofuran	0.046	J	0.040	J	14	25
108-88-3	Toluene	0.41	J	0.41	J	0	25

* = Outside of Control Limits.

Duplicate Summary

Page 3 of 3

Job Number: TD86414
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
TD86407-2DUP	1L2308052.D	2	08/03/23	KS	n/a	n/a	V1L1024
TD86407-2 ^a	1L2308051.D	2	08/03/23	KS	n/a	n/a	V1L1024

The QC reported here applies to the following samples:

Method: TO-15

TD86414-1, TD86414-2, TD86414-3, TD86414-4, TD86414-5

CAS No.	Compound	TD86407-2 ppbv	DUP Q	ppbv	Q	RPD	Limits
79-01-6	Trichloroethene	1.0 U		ND		nc	25
75-69-4	Trichlorofluoromethane	0.22	J	0.22	J	0	25
108-05-4	Vinyl acetate	0.067	J	0.10	J	40* ^b	25
593-60-2	Vinyl Bromide	1.0 U		ND		nc	25
75-01-4	Vinyl chloride	1.0 U		ND		nc	25
	m,p-Xylene	0.16	J	0.16	J	0	25
95-47-6	o-Xylene	0.12	J	0.12	J	0	25
1330-20-7	Xylenes, Total	0.28	J	0.29	J	4	25

CAS No.	Surrogate Recoveries	DUP	TD86407-2	Limits
460-00-4	4-Bromofluorobenzene	100%	100%	65-128%

(a) Sample used for QC purposes only.

(b) High RPD due to sample level below Reporting Limits.

(c) Advisory control limits.

* = Outside of Control Limits.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

APTIM

(Air)Crystal Cleaners

SGS Job Number: TD86443

Sampling Date: 08/02/23

Report to:

APTIM
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Total number of pages in report: **44**



Kesavalu Bagawandoss
General Manager

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Client Service contact: Neaundra Wyatt 713-271-4700
Certifications: TX (T104704220-22-46) AR (21-045-0) AZ (AZ0769) FL (E87628)
KS (E-10366) LA (85695/04004) NJ (TX010) OK (2021-158) VA (11647)

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Test results relate only to samples analyzed.

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Sample Summary

APTIM

(Air)Crystal Cleaners

Job No: TD86443

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
TD86443-1	08/02/23	10:52	08/05/23	AIR	Air	MAG-6
TD86443-2	08/02/23	11:34	08/05/23	AIR	Air	MAG-7
TD86443-3	08/02/23	12:04	08/05/23	AIR	Air	MAG-8
TD86443-4	08/02/23	12:36	08/05/23	AIR	Air	MAG-9
TD86443-5	08/02/23	13:10	08/05/23	AIR	Air	MAG-10

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: APTIM

Job No: TD86443

Site: (Air)Crystal Cleaners

Report Date 8/16/2023 4:46:43 PM

5 Samples were collected on 08/02/2023 and received intact at SGS North America Inc (SGS) on 08/05/2023 and properly preserved in 1 cooler at 23.8 Deg C. The samples received an SGS job number of TD86443. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Your samples were received in Tedlar bag, a sampling container not specified in EPA Methods TO-15 and TO-3.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR

Batch ID: VIL1026

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample TD86443-1DUP was used as the QC sample indicated.
- Sample(s) TD86443-1, TD86443-2, TD86443-3, TD86443-4, TD86443-5 have compounds reported with "D" qualifiers indicating results from the diluted analysis.
- RPD(s) for Duplicate for 1,2-Dichloroethane, 1,4-Dioxane, Chloroethane, Ethyl Acetate, Naphthalene, Trichloroethene, Vinyl acetate, Vinyl chloride, Propene are outside control limits for sample TD86443-1DUP. High RPD due to sample level below Reporting Limits.
- All samples analyzed beyond hold time per client request. Sample was received expired.
- The following compounds are not Florida NELAP certified: Bromodichloromethane, 4-Ethyltoluene, Acetone, Ethyl Acetate, Acrolein, Ethanol, Carbon disulfide, Carbon tetrachloride, Cyclohexane, Di-Isopropyl ether, Dibromochloromethane, Acrylonitrile, Tetrahydrofuran, Ethyl tert-Butyl Ether, Hexane, Isopropanol, Isopropylbenzene, Methyl methacrylate, n-Butylbenzene, n-propylbenzene, Naphthalene, Pentane, Propene, sec-Butylbenzene, t-Butyl Alcohol, Allyl Chloride and Ter Amyl Methyl Ether.

SGS certifies that this report meets the project requirements for analytical data produced for the samples as received at SGS and as stated on the COC. SGS certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SGS Quality Manual except as noted above. This report is to be used in its entirety. SGS is not responsible for any assumptions of data quality if partial data packages are used.

Summary of Hits

Job Number: TD86443
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/02/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
TD86443-1	MAG-6					
Acetone ^a		369	20	0.28	ppbv	TO-15
Acrolein ^a		2.8	1.6	0.078	ppbv	TO-15
Acrylonitrile ^a		0.12 I	1.6	0.049	ppbv	TO-15
1,3-Butadiene ^b		0.076 I	3.2	0.044	ppbv	TO-15
Benzene ^b		0.77 I	1.6	0.026	ppbv	TO-15
Benzyl Chloride ^b		0.051 I	1.6	0.014	ppbv	TO-15
Bromodichloromethane ^a		0.53 I	1.6	0.031	ppbv	TO-15
2-Butanone ^b		2.2	1.6	0.038	ppbv	TO-15
Carbon disulfide ^a		0.19 I	1.6	0.020	ppbv	TO-15
Carbon tetrachloride ^a		0.062 I	1.6	0.033	ppbv	TO-15
Chlorobenzene ^b		0.043 I	1.6	0.028	ppbv	TO-15
Chloroform ^b		16.6	1.6	0.028	ppbv	TO-15
Chloromethane ^b		0.30 I	1.6	0.044	ppbv	TO-15
Cyclohexane ^a		0.63 I	1.6	0.031	ppbv	TO-15
Dichlorodifluoromethane ^b		0.54 I	1.6	0.035	ppbv	TO-15
1,3-Dichlorobenzene ^b		0.27 I	1.6	0.025	ppbv	TO-15
Ethanol ^a		178	20	0.70	ppbv	TO-15
Ethylbenzene ^b		0.25 I	1.6	0.027	ppbv	TO-15
Ethyl Acetate ^a		0.51 I	1.6	0.062	ppbv	TO-15
4-Ethyltoluene ^a		0.066 I	3.2	0.045	ppbv	TO-15
Heptane ^b		0.72 I	1.6	0.024	ppbv	TO-15
Hexane ^a		42.3	1.6	0.028	ppbv	TO-15
2-Hexanone ^a		0.34 I	1.6	0.041	ppbv	TO-15
Isopropanol ^a		165	20	0.28	ppbv	TO-15
p-Isopropyltoluene ^c		0.080 I	1.6	0.022	ppbv	TO-15
Methylene chloride ^b		80.2	4.0	0.11	ppbv	TO-15
4-Methyl-2-pentanone ^b		0.18 I	1.6	0.025	ppbv	TO-15
Naphthalene ^a		0.068 I	1.6	0.044	ppbv	TO-15
Pentane ^a		0.96 I	1.6	0.036	ppbv	TO-15
n-Propylbenzene ^a		0.029 I	1.6	0.027	ppbv	TO-15
Propene ^a		1.2 I	1.6	0.26	ppbv	TO-15
Styrene ^b		0.27 I	1.6	0.022	ppbv	TO-15
1,1,2-Trichlorotrifluoroethane ^b		0.11 I	1.6	0.041	ppbv	TO-15
1,2,4-Trimethylbenzene ^b		0.22 I	1.6	0.017	ppbv	TO-15
1,3,5-Trimethylbenzene ^b		0.044 I	1.6	0.020	ppbv	TO-15
2,2,4-Trimethylpentane ^b		0.060 I	1.6	0.022	ppbv	TO-15
t-Butyl Alcohol ^a		6.9	3.2	0.021	ppbv	TO-15
Tetrachloroethene ^b		15.5	1.6	0.044	ppbv	TO-15
Tetrahydrofuran ^a		0.71 I	1.6	0.045	ppbv	TO-15
Toluene ^b		6.6	1.6	0.028	ppbv	TO-15
Trichloroethene ^b		0.043 I	1.6	0.040	ppbv	TO-15
Trichlorofluoromethane ^b		0.24 I	1.6	0.034	ppbv	TO-15
Vinyl acetate ^b		0.81 I	1.6	0.036	ppbv	TO-15

Summary of Hits

Job Number: TD86443
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/02/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Vinyl chloride ^b		0.068 I	1.6	0.039	ppbv	TO-15
m,p-Xylene ^b		0.95 I	1.6	0.037	ppbv	TO-15
o-Xylene ^b		0.33 I	1.6	0.017	ppbv	TO-15
Xylenes, Total ^b		1.3 I	1.6	0.037	ppbv	TO-15
Acetone ^a		877	48	0.67	ug/m3	TO-15
Acrolein ^a		6.4	3.7	0.18	ug/m3	TO-15
Acrylonitrile ^a		0.26 I	3.5	0.11	ug/m3	TO-15
1,3-Butadiene ^b		0.17 I	7.1	0.097	ug/m3	TO-15
Benzene ^b		2.5 I	5.1	0.083	ug/m3	TO-15
Benzyl Chloride ^b		0.26 I	8.2	0.072	ug/m3	TO-15
Bromodichloromethane ^a		3.6 I	11	0.21	ug/m3	TO-15
2-Butanone ^b		6.5	4.7	0.11	ug/m3	TO-15
Carbon disulfide ^a		0.59 I	5.0	0.062	ug/m3	TO-15
Carbon tetrachloride ^a		0.39 I	10	0.21	ug/m3	TO-15
Chlorobenzene ^b		0.20 I	7.4	0.13	ug/m3	TO-15
Chloroform ^b		81.1	7.8	0.14	ug/m3	TO-15
Chloromethane ^b		0.62 I	3.3	0.091	ug/m3	TO-15
Cyclohexane ^a		2.2 I	5.5	0.11	ug/m3	TO-15
Dichlorodifluoromethane ^b		2.7 I	7.9	0.17	ug/m3	TO-15
1,3-Dichlorobenzene ^b		1.6 I	9.6	0.15	ug/m3	TO-15
Ethanol ^a		335	38	1.3	ug/m3	TO-15
Ethylbenzene ^b		1.1 I	6.9	0.12	ug/m3	TO-15
Ethyl Acetate ^a		1.8 I	5.8	0.22	ug/m3	TO-15
4-Ethyltoluene ^a		0.32 I	16	0.22	ug/m3	TO-15
Heptane ^b		3.0 I	6.6	0.098	ug/m3	TO-15
Hexane ^a		149	5.6	0.099	ug/m3	TO-15
2-Hexanone ^a		1.4 I	6.5	0.17	ug/m3	TO-15
Isopropanol ^a		405	49	0.69	ug/m3	TO-15
p-Isopropyltoluene ^c		0.44 I	8.8	0.12	ug/m3	TO-15
Methylene chloride ^b		279	14	0.38	ug/m3	TO-15
4-Methyl-2-pentanone ^b		0.74 I	6.6	0.10	ug/m3	TO-15
Naphthalene ^a		0.36 I	8.4	0.23	ug/m3	TO-15
Pentane ^a		2.8 I	4.7	0.11	ug/m3	TO-15
n-Propylbenzene ^a		0.14 I	7.9	0.13	ug/m3	TO-15
Propene ^a		2.1 I	2.7	0.45	ug/m3	TO-15
Styrene ^b		1.1 I	6.8	0.094	ug/m3	TO-15
1,1,2-Trichlorotrifluoroethane ^b		0.84 I	12	0.31	ug/m3	TO-15
1,2,4-Trimethylbenzene ^b		1.1 I	7.9	0.084	ug/m3	TO-15
1,3,5-Trimethylbenzene ^b		0.22 I	7.9	0.098	ug/m3	TO-15
2,2,4-Trimethylpentane ^b		0.28 I	7.5	0.10	ug/m3	TO-15
t-Butyl Alcohol ^a		21	9.7	0.064	ug/m3	TO-15
Tetrachloroethene ^b		105	11	0.30	ug/m3	TO-15
Tetrahydrofuran ^a		2.1 I	4.7	0.13	ug/m3	TO-15
Toluene ^b		25	6.0	0.11	ug/m3	TO-15
Trichloroethene ^b		0.23 I	8.6	0.21	ug/m3	TO-15

Summary of Hits

Job Number: TD86443
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/02/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Trichlorofluoromethane ^b		1.3 I	9.0	0.19	ug/m3	TO-15
Vinyl acetate ^b		2.8 I	5.6	0.13	ug/m3	TO-15
Vinyl chloride ^b		0.17 I	4.1	0.10	ug/m3	TO-15
m,p-Xylene ^b		4.1 I	6.9	0.16	ug/m3	TO-15
o-Xylene ^b		1.4 I	6.9	0.074	ug/m3	TO-15
Xylenes, Total ^b		5.6 I	6.9	0.16	ug/m3	TO-15

TD86443-2 MAG-7

Acetone ^a	360	25	0.35	ppbv	TO-15
Acrolein ^a	2.1	2.0	0.098	ppbv	TO-15
Acrylonitrile ^a	0.11 I	2.0	0.062	ppbv	TO-15
1,3-Butadiene ^b	0.11 I	4.0	0.056	ppbv	TO-15
Benzene ^b	0.71 I	2.0	0.033	ppbv	TO-15
Benzyl Chloride ^b	0.056 I	2.0	0.017	ppbv	TO-15
2-Butanone ^b	1.8 I	2.0	0.048	ppbv	TO-15
Carbon disulfide ^a	0.19 I	2.0	0.024	ppbv	TO-15
Carbon tetrachloride ^a	0.064 I	2.0	0.041	ppbv	TO-15
Chlorobenzene ^b	0.060 I	2.0	0.036	ppbv	TO-15
Chloroform ^b	0.34 I	2.0	0.034	ppbv	TO-15
Chloromethane ^b	0.32 I	2.0	0.054	ppbv	TO-15
Cyclohexane ^a	0.84 I	2.0	0.038	ppbv	TO-15
1,4-Dioxane ^b	0.071 I	2.0	0.028	ppbv	TO-15
Dichlorodifluoromethane ^b	0.51 I	2.0	0.044	ppbv	TO-15
1,3-Dichlorobenzene ^b	0.39 I	2.0	0.031	ppbv	TO-15
Ethanol ^a	165	25	0.88	ppbv	TO-15
Ethylbenzene ^b	0.23 I	2.0	0.033	ppbv	TO-15
Ethyl Acetate ^a	0.53 I	2.0	0.078	ppbv	TO-15
4-Ethyltoluene ^a	0.082 I	4.0	0.056	ppbv	TO-15
Heptane ^b	1.0 I	2.0	0.030	ppbv	TO-15
Hexane ^a	57.3	2.0	0.035	ppbv	TO-15
2-Hexanone ^a	0.33 I	2.0	0.051	ppbv	TO-15
Isopropanol ^a	175	25	0.35	ppbv	TO-15
p-Isopropyltoluene ^c	0.075 I	2.0	0.027	ppbv	TO-15
Methylene chloride ^b	83.5	4.0	0.11	ppbv	TO-15
4-Methyl-2-pentanone ^b	0.15 I	2.0	0.032	ppbv	TO-15
Pentane ^a	1.6 I	2.0	0.046	ppbv	TO-15
Propene ^a	2.0	2.0	0.32	ppbv	TO-15
Styrene ^b	0.25 I	2.0	0.028	ppbv	TO-15
1,1,2-Trichlorotrifluoroethane ^b	0.13 I	2.0	0.052	ppbv	TO-15
1,2,4-Trimethylbenzene ^b	0.23 I	2.0	0.021	ppbv	TO-15
1,3,5-Trimethylbenzene ^b	0.044 I	2.0	0.026	ppbv	TO-15
2,2,4-Trimethylpentane ^b	0.10 I	2.0	0.027	ppbv	TO-15
t-Butyl Alcohol ^a	4.6	4.0	0.027	ppbv	TO-15
Tetrachloroethene ^b	135	4.0	0.11	ppbv	TO-15

Summary of Hits

Job Number: TD86443
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/02/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Tetrahydrofuran ^a		0.74 I	2.0	0.056	ppbv	TO-15
Toluene ^b		8.7	2.0	0.035	ppbv	TO-15
Trichloroethene ^b		0.13 I	2.0	0.050	ppbv	TO-15
Trichlorofluoromethane ^b		0.22 I	2.0	0.042	ppbv	TO-15
Vinyl acetate ^b		0.51 I	2.0	0.044	ppbv	TO-15
Vinyl chloride ^b		0.075 I	2.0	0.048	ppbv	TO-15
m,p-Xylene ^b		0.91 I	2.0	0.046	ppbv	TO-15
o-Xylene ^b		0.32 I	2.0	0.022	ppbv	TO-15
Xylenes, Total ^b		1.2 I	2.0	0.046	ppbv	TO-15
Acetone ^a		855	59	0.83	ug/m3	TO-15
Acrolein ^a		4.8	4.6	0.22	ug/m3	TO-15
Acrylonitrile ^a		0.24 I	4.3	0.13	ug/m3	TO-15
1,3-Butadiene ^b		0.24 I	8.8	0.12	ug/m3	TO-15
Benzene ^b		2.3 I	6.4	0.11	ug/m3	TO-15
Benzyl Chloride ^b		0.29 I	10	0.088	ug/m3	TO-15
2-Butanone ^b		5.3 I	5.9	0.14	ug/m3	TO-15
Carbon disulfide ^a		0.59 I	6.2	0.075	ug/m3	TO-15
Carbon tetrachloride ^a		0.40 I	13	0.26	ug/m3	TO-15
Chlorobenzene ^b		0.28 I	9.2	0.17	ug/m3	TO-15
Chloroform ^b		1.7 I	9.8	0.17	ug/m3	TO-15
Chloromethane ^b		0.66 I	4.1	0.11	ug/m3	TO-15
Cyclohexane ^a		2.9 I	6.9	0.13	ug/m3	TO-15
1,4-Dioxane ^b		0.26 I	7.2	0.10	ug/m3	TO-15
Dichlorodifluoromethane ^b		2.5 I	9.9	0.22	ug/m3	TO-15
1,3-Dichlorobenzene ^b		2.3 I	12	0.19	ug/m3	TO-15
Ethanol ^a		310	47	1.7	ug/m3	TO-15
Ethylbenzene ^b		1.0 I	8.7	0.14	ug/m3	TO-15
Ethyl Acetate ^a		1.9 I	7.2	0.28	ug/m3	TO-15
4-Ethyltoluene ^a		0.40 I	20	0.28	ug/m3	TO-15
Heptane ^b		4.1 I	8.2	0.12	ug/m3	TO-15
Hexane ^a		202	7.0	0.12	ug/m3	TO-15
2-Hexanone ^a		1.3 I	8.2	0.21	ug/m3	TO-15
Isopropanol ^a		429	61	0.86	ug/m3	TO-15
p-Isopropyltoluene ^c		0.41 I	11	0.15	ug/m3	TO-15
Methylene chloride ^b		290	14	0.38	ug/m3	TO-15
4-Methyl-2-pentanone ^b		0.61 I	8.2	0.13	ug/m3	TO-15
Pentane ^a		4.7 I	5.9	0.14	ug/m3	TO-15
Propene ^a		3.4	3.4	0.55	ug/m3	TO-15
Styrene ^b		1.1 I	8.5	0.12	ug/m3	TO-15
1,1,2-Trichlorotrifluoroethane ^b		1.0 I	15	0.40	ug/m3	TO-15
1,2,4-Trimethylbenzene ^b		1.1 I	9.8	0.10	ug/m3	TO-15
1,3,5-Trimethylbenzene ^b		0.22 I	9.8	0.13	ug/m3	TO-15
2,2,4-Trimethylpentane ^b		0.47 I	9.3	0.13	ug/m3	TO-15
t-Butyl Alcohol ^a		14	12	0.082	ug/m3	TO-15
Tetrachloroethene ^b		915	27	0.75	ug/m3	TO-15

Summary of Hits

Job Number: TD86443
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/02/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Tetrahydrofuran ^a		2.2 I	5.9	0.16	ug/m3	TO-15
Toluene ^b		33	7.5	0.13	ug/m3	TO-15
Trichloroethene ^b		0.70 I	11	0.27	ug/m3	TO-15
Trichlorofluoromethane ^b		1.2 I	11	0.24	ug/m3	TO-15
Vinyl acetate ^b		1.8 I	7.0	0.15	ug/m3	TO-15
Vinyl chloride ^b		0.19 I	5.1	0.12	ug/m3	TO-15
m,p-Xylene ^b		4.0 I	8.7	0.20	ug/m3	TO-15
o-Xylene ^b		1.4 I	8.7	0.096	ug/m3	TO-15
Xylenes, Total ^b		5.2 I	8.7	0.20	ug/m3	TO-15

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Acetone ^a	371	25	0.35	ppbv	TO-15
Acrolein ^a	2.4	2.0	0.098	ppbv	TO-15
Acrylonitrile ^a	0.11 I	2.0	0.062	ppbv	TO-15
Benzene ^b	0.64 I	2.0	0.033	ppbv	TO-15
Benzyl Chloride ^b	0.052 I	2.0	0.017	ppbv	TO-15
Bromodichloromethane ^a	0.081 I	2.0	0.039	ppbv	TO-15
2-Butanone ^b	1.8 I	2.0	0.048	ppbv	TO-15
Carbon disulfide ^a	0.21 I	2.0	0.024	ppbv	TO-15
Carbon tetrachloride ^a	0.069 I	2.0	0.041	ppbv	TO-15
Chloroform ^b	0.60 I	2.0	0.034	ppbv	TO-15
Chloromethane ^b	0.32 I	2.0	0.054	ppbv	TO-15
Cyclohexane ^a	0.89 I	2.0	0.038	ppbv	TO-15
Dichlorodifluoromethane ^b	0.54 I	2.0	0.044	ppbv	TO-15
1,3-Dichlorobenzene ^b	0.26 I	2.0	0.031	ppbv	TO-15
Ethanol ^a	171	25	0.88	ppbv	TO-15
Ethylbenzene ^b	0.22 I	2.0	0.033	ppbv	TO-15
Ethyl Acetate ^a	0.61 I	2.0	0.078	ppbv	TO-15
4-Ethyltoluene ^a	0.068 I	4.0	0.056	ppbv	TO-15
Heptane ^b	1.1 I	2.0	0.030	ppbv	TO-15
Hexane ^a	72.1	2.0	0.035	ppbv	TO-15
2-Hexanone ^a	0.37 I	2.0	0.051	ppbv	TO-15
Isopropanol ^a	219	25	0.35	ppbv	TO-15
p-Isopropyltoluene ^c	0.060 I	2.0	0.027	ppbv	TO-15
Methylene chloride ^b	92.1	4.0	0.11	ppbv	TO-15
4-Methyl-2-pentanone ^b	0.13 I	2.0	0.032	ppbv	TO-15
Pentane ^a	1.5 I	2.0	0.046	ppbv	TO-15
Propene ^a	0.79 I	2.0	0.32	ppbv	TO-15
Styrene ^b	0.19 I	2.0	0.028	ppbv	TO-15
1,1,1-Trichloroethane ^b	0.11 I	2.0	0.043	ppbv	TO-15
1,1,2-Trichlorotrifluoroethane ^b	0.094 I	2.0	0.052	ppbv	TO-15
1,2,4-Trimethylbenzene ^b	0.20 I	2.0	0.021	ppbv	TO-15
1,3,5-Trimethylbenzene ^b	0.048 I	2.0	0.026	ppbv	TO-15
2,2,4-Trimethylpentane ^b	0.075 I	2.0	0.027	ppbv	TO-15

Summary of Hits

Job Number: TD86443
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/02/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
t-Butyl Alcohol ^a		4.6	4.0	0.027	ppbv	TO-15
Tetrachloroethene ^b		140	4.0	0.11	ppbv	TO-15
Tetrahydrofuran ^a		0.59 I	2.0	0.056	ppbv	TO-15
Toluene ^b		5.9	2.0	0.035	ppbv	TO-15
Trichloroethene ^b		0.22 I	2.0	0.050	ppbv	TO-15
Trichlorofluoromethane ^b		0.23 I	2.0	0.042	ppbv	TO-15
Vinyl chloride ^b		0.048 I	2.0	0.048	ppbv	TO-15
m,p-Xylene ^b		0.85 I	2.0	0.046	ppbv	TO-15
o-Xylene ^b		0.30 I	2.0	0.022	ppbv	TO-15
Xylenes, Total ^b		1.1 I	2.0	0.046	ppbv	TO-15
Acetone ^a		881	59	0.83	ug/m3	TO-15
Acrolein ^a		5.5	4.6	0.22	ug/m3	TO-15
Acrylonitrile ^a		0.24 I	4.3	0.13	ug/m3	TO-15
Benzene ^b		2.0 I	6.4	0.11	ug/m3	TO-15
Benzyl Chloride ^b		0.27 I	10	0.088	ug/m3	TO-15
Bromodichloromethane ^a		0.54 I	13	0.26	ug/m3	TO-15
2-Butanone ^b		5.3 I	5.9	0.14	ug/m3	TO-15
Carbon disulfide ^a		0.65 I	6.2	0.075	ug/m3	TO-15
Carbon tetrachloride ^a		0.43 I	13	0.26	ug/m3	TO-15
Chloroform ^b		2.9 I	9.8	0.17	ug/m3	TO-15
Chloromethane ^b		0.66 I	4.1	0.11	ug/m3	TO-15
Cyclohexane ^a		3.1 I	6.9	0.13	ug/m3	TO-15
Dichlorodifluoromethane ^b		2.7 I	9.9	0.22	ug/m3	TO-15
1,3-Dichlorobenzene ^b		1.6 I	12	0.19	ug/m3	TO-15
Ethanol ^a		322	47	1.7	ug/m3	TO-15
Ethylbenzene ^b		0.96 I	8.7	0.14	ug/m3	TO-15
Ethyl Acetate ^a		2.2 I	7.2	0.28	ug/m3	TO-15
4-Ethyltoluene ^a		0.33 I	20	0.28	ug/m3	TO-15
Heptane ^b		4.5 I	8.2	0.12	ug/m3	TO-15
Hexane ^a		254	7.0	0.12	ug/m3	TO-15
2-Hexanone ^a		1.5 I	8.2	0.21	ug/m3	TO-15
Isopropanol ^a		537	61	0.86	ug/m3	TO-15
p-Isopropyltoluene ^c		0.33 I	11	0.15	ug/m3	TO-15
Methylene chloride ^b		320	14	0.38	ug/m3	TO-15
4-Methyl-2-pentanone ^b		0.53 I	8.2	0.13	ug/m3	TO-15
Pentane ^a		4.4 I	5.9	0.14	ug/m3	TO-15
Propene ^a		1.4 I	3.4	0.55	ug/m3	TO-15
Styrene ^b		0.81 I	8.5	0.12	ug/m3	TO-15
1,1,1-Trichloroethane ^b		0.60 I	11	0.23	ug/m3	TO-15
1,1,2-Trichlorotrifluoroethane ^b		0.72 I	15	0.40	ug/m3	TO-15
1,2,4-Trimethylbenzene ^b		0.98 I	9.8	0.10	ug/m3	TO-15
1,3,5-Trimethylbenzene ^b		0.24 I	9.8	0.13	ug/m3	TO-15
2,2,4-Trimethylpentane ^b		0.35 I	9.3	0.13	ug/m3	TO-15
t-Butyl Alcohol ^a		14	12	0.082	ug/m3	TO-15
Tetrachloroethene ^b		949	27	0.75	ug/m3	TO-15

Summary of Hits

Job Number: TD86443
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/02/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Tetrahydrofuran ^a		1.7 I	5.9	0.16	ug/m3	TO-15
Toluene ^b		22	7.5	0.13	ug/m3	TO-15
Trichloroethene ^b		1.2 I	11	0.27	ug/m3	TO-15
Trichlorofluoromethane ^b		1.3 I	11	0.24	ug/m3	TO-15
Vinyl chloride ^b		0.12 I	5.1	0.12	ug/m3	TO-15
m,p-Xylene ^b		3.7 I	8.7	0.20	ug/m3	TO-15
o-Xylene ^b		1.3 I	8.7	0.096	ug/m3	TO-15
Xylenes, Total ^b		4.8 I	8.7	0.20	ug/m3	TO-15

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Acetone ^a	357	25	0.35	ppbv	TO-15
Acrolein ^a	2.9	2.0	0.098	ppbv	TO-15
Acrylonitrile ^a	0.12 I	2.0	0.062	ppbv	TO-15
Benzene ^b	0.68 I	2.0	0.033	ppbv	TO-15
Benzyl Chloride ^b	0.066 I	2.0	0.017	ppbv	TO-15
2-Butanone ^b	1.8 I	2.0	0.048	ppbv	TO-15
Carbon disulfide ^a	0.19 I	2.0	0.024	ppbv	TO-15
Carbon tetrachloride ^a	0.077 I	2.0	0.041	ppbv	TO-15
Chloroform ^b	0.41 I	2.0	0.034	ppbv	TO-15
Chloromethane ^b	0.30 I	2.0	0.054	ppbv	TO-15
Cyclohexane ^a	0.66 I	2.0	0.038	ppbv	TO-15
Dichlorodifluoromethane ^b	0.53 I	2.0	0.044	ppbv	TO-15
1,3-Dichlorobenzene ^b	0.24 I	2.0	0.031	ppbv	TO-15
Ethanol ^a	162	25	0.88	ppbv	TO-15
Ethylbenzene ^b	0.20 I	2.0	0.033	ppbv	TO-15
Ethyl Acetate ^a	0.55 I	2.0	0.078	ppbv	TO-15
Heptane ^b	0.93 I	2.0	0.030	ppbv	TO-15
Hexane ^a	49.9	2.0	0.035	ppbv	TO-15
2-Hexanone ^a	0.19 I	2.0	0.051	ppbv	TO-15
Isopropanol ^a	162	25	0.35	ppbv	TO-15
p-Isopropyltoluene ^c	0.063 I	2.0	0.027	ppbv	TO-15
Methylene chloride ^b	86.5	4.0	0.11	ppbv	TO-15
4-Methyl-2-pentanone ^b	0.10 I	2.0	0.032	ppbv	TO-15
Pentane ^a	1.4 I	2.0	0.046	ppbv	TO-15
Propene ^a	1.0 I	2.0	0.32	ppbv	TO-15
Styrene ^b	0.18 I	2.0	0.028	ppbv	TO-15
1,1,2-Trichlorotrifluoroethane ^b	0.084 I	2.0	0.052	ppbv	TO-15
1,2,4-Trimethylbenzene ^b	0.17 I	2.0	0.021	ppbv	TO-15
1,3,5-Trimethylbenzene ^b	0.039 I	2.0	0.026	ppbv	TO-15
2,2,4-Trimethylpentane ^b	0.10 I	2.0	0.027	ppbv	TO-15
t-Butyl Alcohol ^a	4.2	4.0	0.027	ppbv	TO-15
Tetrachloroethene ^b	71.9	2.0	0.055	ppbv	TO-15
Tetrahydrofuran ^a	0.50 I	2.0	0.056	ppbv	TO-15
Toluene ^b	6.0	2.0	0.035	ppbv	TO-15

Summary of Hits

Job Number: TD86443
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/02/23

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Trichloroethene ^b		0.12 I	2.0	0.050	ppbv	TO-15
Trichlorofluoromethane ^b		0.23 I	2.0	0.042	ppbv	TO-15
Vinyl acetate ^b		0.48 I	2.0	0.044	ppbv	TO-15
Vinyl chloride ^b		0.055 I	2.0	0.048	ppbv	TO-15
m,p-Xylene ^b		0.85 I	2.0	0.046	ppbv	TO-15
o-Xylene ^b		0.28 I	2.0	0.022	ppbv	TO-15
Xylenes, Total ^b		1.1 I	2.0	0.046	ppbv	TO-15
Acetone ^a		848	59	0.83	ug/m3	TO-15
Acrolein ^a		6.6	4.6	0.22	ug/m3	TO-15
Acrylonitrile ^a		0.26 I	4.3	0.13	ug/m3	TO-15
Benzene ^b		2.2 I	6.4	0.11	ug/m3	TO-15
Benzyl Chloride ^b		0.34 I	10	0.088	ug/m3	TO-15
2-Butanone ^b		5.3 I	5.9	0.14	ug/m3	TO-15
Carbon disulfide ^a		0.59 I	6.2	0.075	ug/m3	TO-15
Carbon tetrachloride ^a		0.48 I	13	0.26	ug/m3	TO-15
Chloroform ^b		2.0 I	9.8	0.17	ug/m3	TO-15
Chloromethane ^b		0.62 I	4.1	0.11	ug/m3	TO-15
Cyclohexane ^a		2.3 I	6.9	0.13	ug/m3	TO-15
Dichlorodifluoromethane ^b		2.6 I	9.9	0.22	ug/m3	TO-15
1,3-Dichlorobenzene ^b		1.4 I	12	0.19	ug/m3	TO-15
Ethanol ^a		305	47	1.7	ug/m3	TO-15
Ethylbenzene ^b		0.87 I	8.7	0.14	ug/m3	TO-15
Ethyl Acetate ^a		2.0 I	7.2	0.28	ug/m3	TO-15
Heptane ^b		3.8 I	8.2	0.12	ug/m3	TO-15
Hexane ^a		176	7.0	0.12	ug/m3	TO-15
2-Hexanone ^a		0.78 I	8.2	0.21	ug/m3	TO-15
Isopropanol ^a		398	61	0.86	ug/m3	TO-15
p-Isopropyltoluene ^c		0.35 I	11	0.15	ug/m3	TO-15
Methylene chloride ^b		301	14	0.38	ug/m3	TO-15
4-Methyl-2-pentanone ^b		0.41 I	8.2	0.13	ug/m3	TO-15
Pentane ^a		4.1 I	5.9	0.14	ug/m3	TO-15
Propene ^a		1.7 I	3.4	0.55	ug/m3	TO-15
Styrene ^b		0.77 I	8.5	0.12	ug/m3	TO-15
1,1,2-Trichlorotrifluoroethane ^b		0.64 I	15	0.40	ug/m3	TO-15
1,2,4-Trimethylbenzene ^b		0.84 I	9.8	0.10	ug/m3	TO-15
1,3,5-Trimethylbenzene ^b		0.19 I	9.8	0.13	ug/m3	TO-15
2,2,4-Trimethylpentane ^b		0.47 I	9.3	0.13	ug/m3	TO-15
t-Butyl Alcohol ^a		13	12	0.082	ug/m3	TO-15
Tetrachloroethene ^b		488	14	0.37	ug/m3	TO-15
Tetrahydrofuran ^a		1.5 I	5.9	0.16	ug/m3	TO-15
Toluene ^b		23	7.5	0.13	ug/m3	TO-15
Trichloroethene ^b		0.64 I	11	0.27	ug/m3	TO-15
Trichlorofluoromethane ^b		1.3 I	11	0.24	ug/m3	TO-15
Vinyl acetate ^b		1.7 I	7.0	0.15	ug/m3	TO-15
Vinyl chloride ^b		0.14 I	5.1	0.12	ug/m3	TO-15

Summary of Hits

Job Number: TD86443
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/02/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method

m,p-Xylene ^b		3.7 I	8.7	0.20	ug/m3	TO-15
o-Xylene ^b		1.2 I	8.7	0.096	ug/m3	TO-15
Xylenes, Total ^b		4.8 I	8.7	0.20	ug/m3	TO-15

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Acetone ^a		352	25	0.35	ppbv	TO-15
Acrolein ^a		2.4	1.6	0.078	ppbv	TO-15
Acrylonitrile ^a		0.13 I	1.6	0.049	ppbv	TO-15
Benzene ^b		0.59 I	1.6	0.026	ppbv	TO-15
Benzyl Chloride ^b		0.039 I	1.6	0.014	ppbv	TO-15
Bromodichloromethane ^a		0.17 I	1.6	0.031	ppbv	TO-15
2-Butanone ^b		1.9	1.6	0.038	ppbv	TO-15
Carbon disulfide ^a		0.17 I	1.6	0.020	ppbv	TO-15
Carbon tetrachloride ^a		0.045 I	1.6	0.033	ppbv	TO-15
Chloroform ^b		4.2	1.6	0.028	ppbv	TO-15
Chloromethane ^b		0.18 I	1.6	0.044	ppbv	TO-15
Cyclohexane ^a		0.45 I	1.6	0.031	ppbv	TO-15
1,4-Dioxane ^b		0.043 I	1.6	0.022	ppbv	TO-15
Dichlorodifluoromethane ^b		0.53 I	1.6	0.035	ppbv	TO-15
1,3-Dichlorobenzene ^b		0.15 I	1.6	0.025	ppbv	TO-15
Ethanol ^a		156	25	0.88	ppbv	TO-15
Ethylbenzene ^b		0.21 I	1.6	0.027	ppbv	TO-15
Ethyl Acetate ^a		0.46 I	1.6	0.062	ppbv	TO-15
4-Ethyltoluene ^a		0.061 I	3.2	0.045	ppbv	TO-15
Heptane ^b		0.80 I	1.6	0.024	ppbv	TO-15
Hexane ^a		38.3	1.6	0.028	ppbv	TO-15
2-Hexanone ^a		0.25 I	1.6	0.041	ppbv	TO-15
Isopropanol ^a		141	8.0	0.11	ppbv	TO-15
p-Isopropyltoluene ^c		0.063 I	1.6	0.022	ppbv	TO-15
Methylene chloride ^b		84.9	4.0	0.11	ppbv	TO-15
4-Methyl-2-pentanone ^b		0.16 I	1.6	0.025	ppbv	TO-15
Pentane ^a		0.69 I	1.6	0.036	ppbv	TO-15
n-Propylbenzene ^a		0.028 I	1.6	0.027	ppbv	TO-15
Propene ^a		0.67 I	1.6	0.26	ppbv	TO-15
Styrene ^b		0.22 I	1.6	0.022	ppbv	TO-15
1,1,2-Trichlorotrifluoroethane ^b		0.070 I	1.6	0.041	ppbv	TO-15
1,2,4-Trimethylbenzene ^b		0.16 I	1.6	0.017	ppbv	TO-15
1,3,5-Trimethylbenzene ^b		0.037 I	1.6	0.020	ppbv	TO-15
2,2,4-Trimethylpentane ^b		0.042 I	1.6	0.022	ppbv	TO-15
t-Butyl Alcohol ^a		6.2	3.2	0.021	ppbv	TO-15
Tetrachloroethene ^b		12.9	1.6	0.044	ppbv	TO-15
Tetrahydrofuran ^a		0.36 I	1.6	0.045	ppbv	TO-15
Toluene ^b		6.5	1.6	0.028	ppbv	TO-15
Trichloroethene ^b		0.049 I	1.6	0.040	ppbv	TO-15

Summary of Hits

Job Number: TD86443
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/02/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Trichlorofluoromethane ^b		0.23 I	1.6	0.034	ppbv	TO-15
Vinyl acetate ^b		0.55 I	1.6	0.036	ppbv	TO-15
Vinyl chloride ^b		0.046 I	1.6	0.039	ppbv	TO-15
m,p-Xylene ^b		0.83 I	1.6	0.037	ppbv	TO-15
o-Xylene ^b		0.28 I	1.6	0.017	ppbv	TO-15
Xylenes, Total ^b		1.1 I	1.6	0.037	ppbv	TO-15
Acetone ^a		836	59	0.83	ug/m3	TO-15
Acrolein ^a		5.5	3.7	0.18	ug/m3	TO-15
Acrylonitrile ^a		0.28 I	3.5	0.11	ug/m3	TO-15
Benzene ^b		1.9 I	5.1	0.083	ug/m3	TO-15
Benzyl Chloride ^b		0.20 I	8.2	0.072	ug/m3	TO-15
Bromodichloromethane ^a		1.1 I	11	0.21	ug/m3	TO-15
2-Butanone ^b		5.6	4.7	0.11	ug/m3	TO-15
Carbon disulfide ^a		0.53 I	5.0	0.062	ug/m3	TO-15
Carbon tetrachloride ^a		0.28 I	10	0.21	ug/m3	TO-15
Chloroform ^b		21	7.8	0.14	ug/m3	TO-15
Chloromethane ^b		0.37 I	3.3	0.091	ug/m3	TO-15
Cyclohexane ^a		1.5 I	5.5	0.11	ug/m3	TO-15
1,4-Dioxane ^b		0.15 I	5.8	0.079	ug/m3	TO-15
Dichlorodifluoromethane ^b		2.6 I	7.9	0.17	ug/m3	TO-15
1,3-Dichlorobenzene ^b		0.90 I	9.6	0.15	ug/m3	TO-15
Ethanol ^a		293	47	1.7	ug/m3	TO-15
Ethylbenzene ^b		0.91 I	6.9	0.12	ug/m3	TO-15
Ethyl Acetate ^a		1.7 I	5.8	0.22	ug/m3	TO-15
4-Ethyltoluene ^a		0.30 I	16	0.22	ug/m3	TO-15
Heptane ^b		3.3 I	6.6	0.098	ug/m3	TO-15
Hexane ^a		135	5.6	0.099	ug/m3	TO-15
2-Hexanone ^a		1.0 I	6.5	0.17	ug/m3	TO-15
Isopropanol ^a		346	20	0.27	ug/m3	TO-15
p-Isopropyltoluene ^c		0.35 I	8.8	0.12	ug/m3	TO-15
Methylene chloride ^b		295	14	0.38	ug/m3	TO-15
4-Methyl-2-pentanone ^b		0.66 I	6.6	0.10	ug/m3	TO-15
Pentane ^a		2.0 I	4.7	0.11	ug/m3	TO-15
n-Propylbenzene ^a		0.14 I	7.9	0.13	ug/m3	TO-15
Propene ^a		1.2 I	2.7	0.45	ug/m3	TO-15
Styrene ^b		0.94 I	6.8	0.094	ug/m3	TO-15
1,1,2-Trichlorotrifluoroethane ^b		0.54 I	12	0.31	ug/m3	TO-15
1,2,4-Trimethylbenzene ^b		0.79 I	7.9	0.084	ug/m3	TO-15
1,3,5-Trimethylbenzene ^b		0.18 I	7.9	0.098	ug/m3	TO-15
2,2,4-Trimethylpentane ^b		0.20 I	7.5	0.10	ug/m3	TO-15
t-Butyl Alcohol ^a		19	9.7	0.064	ug/m3	TO-15
Tetrachloroethene ^b		87.5	11	0.30	ug/m3	TO-15
Tetrahydrofuran ^a		1.1 I	4.7	0.13	ug/m3	TO-15
Toluene ^b		24	6.0	0.11	ug/m3	TO-15
Trichloroethene ^b		0.26 I	8.6	0.21	ug/m3	TO-15

Summary of Hits

Job Number: TD86443
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 08/02/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Trichlorofluoromethane ^b		1.3 I	9.0	0.19	ug/m3	TO-15
Vinyl acetate ^b		1.9 I	5.6	0.13	ug/m3	TO-15
Vinyl chloride ^b		0.12 I	4.1	0.10	ug/m3	TO-15
m,p-Xylene ^b		3.6 I	6.9	0.16	ug/m3	TO-15
o-Xylene ^b		1.2 I	6.9	0.074	ug/m3	TO-15
Xylenes, Total ^b		4.8 I	6.9	0.16	ug/m3	TO-15

- (a) Sample analyzed beyond hold time per client request. Sample was received expired. Not Florida NELAP certified.
- (b) Sample analyzed beyond hold time per client request. Sample was received expired.
- (c) Sample analyzed beyond hold time per client request. Sample was received expired. Not NELAC certified.



Houston, TX

Section 4

4

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MAG-6	Date Sampled:	08/02/23
Lab Sample ID:	TD86443-1	Date Received:	08/05/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	1L2308105.D	3.2	08/07/23 21:05	KS	n/a	n/a	V1L1026
Run #2 ^a	1L2308099.D	8	08/07/23 17:33	KS	n/a	n/a	V1L1026
Run #3 ^a	1L2308104.D	20	08/07/23 20:29	KS	n/a	n/a	V1L1026

	Initial Volume
Run #1	400 ml
Run #2	400 ml
Run #3	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
67-64-1	58.08	Acetone ^b	369 ^c	20	0.28	ppbv		877 ^c	48	0.67	ug/m3
107-02-8	56	Acrolein ^b	2.8	1.6	0.078	ppbv		6.4	3.7	0.18	ug/m3
107-13-1	53	Acrylonitrile ^b	0.12	1.6	0.049	ppbv	I	0.26	3.5	0.11	ug/m3
107-05-1	76.53	Allyl chloride ^b	0.055 U	3.2	0.055	ppbv		0.17 U	10	0.17	ug/m3
106-99-0	54.09	1,3-Butadiene	0.076	3.2	0.044	ppbv	I	0.17	7.1	0.097	ug/m3
71-43-2	78.11	Benzene	0.77	1.6	0.026	ppbv	I	2.5	5.1	0.083	ug/m3
100-44-7	126	Benzyl Chloride	0.051	1.6	0.014	ppbv	I	0.26	8.2	0.072	ug/m3
75-27-4	163.8	Bromodichloromethane ^b	0.53	1.6	0.031	ppbv	I	3.6	11	0.21	ug/m3
75-25-2	252.8	Bromoform	0.025 U	1.6	0.025	ppbv		0.26 U	17	0.26	ug/m3
74-83-9	94.94	Bromomethane	0.029 U	1.6	0.029	ppbv		0.11 U	6.2	0.11	ug/m3
78-93-3	72.11	2-Butanone	2.2	1.6	0.038	ppbv		6.5	4.7	0.11	ug/m3
104-51-8	134	n-Butylbenzene ^b	0.019 U	1.6	0.019	ppbv		0.10 U	8.8	0.10	ug/m3
135-98-8	134	sec-Butylbenzene ^b	0.033 U	1.6	0.033	ppbv		0.18 U	8.8	0.18	ug/m3
75-15-0	76.14	Carbon disulfide ^b	0.19	1.6	0.020	ppbv	I	0.59	5.0	0.062	ug/m3
56-23-5	153.8	Carbon tetrachloride ^b	0.062	1.6	0.033	ppbv	I	0.39	10	0.21	ug/m3
108-90-7	112.6	Chlorobenzene	0.043	1.6	0.028	ppbv	I	0.20	7.4	0.13	ug/m3
75-00-3	64.52	Chloroethane	0.041 U	1.6	0.041	ppbv		0.11 U	4.2	0.11	ug/m3
67-66-3	119.4	Chloroform	16.6	1.6	0.028	ppbv		81.1	7.8	0.14	ug/m3
74-87-3	50.49	Chloromethane	0.30	1.6	0.044	ppbv	I	0.62	3.3	0.091	ug/m3
110-82-7	84.16	Cyclohexane ^b	0.63	1.6	0.031	ppbv	I	2.2	5.5	0.11	ug/m3
124-48-1	208.3	Dibromochloromethane ^b	0.023 U	1.6	0.023	ppbv		0.20 U	14	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.027 U	1.6	0.027	ppbv		0.11 U	6.5	0.11	ug/m3
75-35-4	96.94	1,1-Dichloroethene	0.024 U	1.6	0.024	ppbv		0.095 U	6.3	0.095	ug/m3
106-93-4	187.9	1,2-Dibromoethane	0.027 U	1.6	0.027	ppbv		0.21 U	12	0.21	ug/m3
557-91-5	187.9	1,1-Dibromoethane ^d	0.032 U	1.6	0.032	ppbv		0.25 U	12	0.25	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.027 U	1.6	0.027	ppbv		0.11 U	6.5	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	0.025 U	1.6	0.025	ppbv		0.12 U	7.4	0.12	ug/m3
123-91-1	88	1,4-Dioxane	0.022 U	1.6	0.022	ppbv		0.079 U	5.8	0.079	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.54	1.6	0.035	ppbv	I	2.7	7.9	0.17	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethene	0.033 U	1.6	0.033	ppbv		0.13 U	6.3	0.13	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MAG-6
Lab Sample ID: TD86443-1
Matrix: AIR - Air
Method: TO-15
Project: (Air)Crystal Cleaners

Date Sampled: 08/02/23**Date Received:** 08/05/23**Percent Solids:** n/a

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
156-59-2	96.94	cis-1,2-Dichloroethene	0.030 U	1.6	0.030	ppbv		0.12 U	6.3	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.018 U	1.6	0.018	ppbv		0.082 U	7.3	0.082	ug/m3
95-50-1	147	1,2-Dichlorobenzene	0.027 U	1.6	0.027	ppbv		0.16 U	9.6	0.16	ug/m3
541-73-1	147	1,3-Dichlorobenzene	0.27	1.6	0.025	ppbv	I	1.6	9.6	0.15	ug/m3
106-46-7	147	1,4-Dichlorobenzene	0.028 U	1.6	0.028	ppbv		0.17 U	9.6	0.17	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.032 U	1.6	0.032	ppbv		0.15 U	7.3	0.15	ug/m3
76-14-2	170.9	1,2-Dichlorotetrafluoroethane	0.033 U	1.6	0.033	ppbv		0.23 U	11	0.23	ug/m3
108-20-3	102	Di-Isopropyl ether ^b	0.025 U	3.2	0.025	ppbv		0.10 U	13	0.10	ug/m3
64-17-5	46	Ethanol ^b	178 ^c	20	0.70	ppbv		335 ^c	38	1.3	ug/m3
100-41-4	106.2	Ethylbenzene	0.25	1.6	0.027	ppbv	I	1.1	6.9	0.12	ug/m3
141-78-6	88	Ethyl Acetate ^b	0.51	1.6	0.062	ppbv	I	1.8	5.8	0.22	ug/m3
637-92-3	102	Ethyl tert-Butyl Ether ^b	0.024 U	3.2	0.024	ppbv		0.10 U	13	0.10	ug/m3
622-96-8	120.2	4-Ethyltoluene ^b	0.066	3.2	0.045	ppbv	I	0.32	16	0.22	ug/m3
142-82-5	100.2	Heptane	0.72	1.6	0.024	ppbv	I	3.0	6.6	0.098	ug/m3
87-68-3	260.8	Hexachloro-1,3-butadiene	0.021 U	1.6	0.021	ppbv		0.22 U	17	0.22	ug/m3
110-54-3	86.17	Hexane ^b	42.3	1.6	0.028	ppbv		149	5.6	0.099	ug/m3
591-78-6	100	2-Hexanone ^b	0.34	1.6	0.041	ppbv	I	1.4	6.5	0.17	ug/m3
98-82-8	120	Isopropylbenzene ^b	0.030 U	1.6	0.030	ppbv		0.15 U	7.9	0.15	ug/m3
67-63-0	60	Isopropanol ^b	165 ^c	20	0.28	ppbv		405 ^c	49	0.69	ug/m3
99-87-6	134	p-Isopropyltoluene ^d	0.080	1.6	0.022	ppbv	I	0.44	8.8	0.12	ug/m3
75-09-2	84.94	Methylene chloride	80.2 ^e	4.0	0.11	ppbv		279 ^e	14	0.38	ug/m3
108-10-1	100.2	4-Methyl-2-pentanone	0.18	1.6	0.025	ppbv	I	0.74	6.6	0.10	ug/m3
1634-04-4	88.15	Methyl Tert-Butyl Ether	0.032 U	1.6	0.032	ppbv		0.12 U	5.8	0.12	ug/m3
80-62-6	100	Methyl methacrylate ^b	0.020 U	1.6	0.020	ppbv		0.082 U	6.5	0.082	ug/m3
91-20-3	128.17	Naphthalene ^b	0.068	1.6	0.044	ppbv	I	0.36	8.4	0.23	ug/m3
109-66-0	72	Pentane ^b	0.96	1.6	0.036	ppbv	I	2.8	4.7	0.11	ug/m3
103-65-1	120	n-Propylbenzene ^b	0.029	1.6	0.027	ppbv	I	0.14	7.9	0.13	ug/m3
115-07-1	42	Propene ^b	1.2	1.6	0.26	ppbv	I	2.1	2.7	0.45	ug/m3
100-42-5	104.1	Styrene	0.27	1.6	0.022	ppbv	I	1.1	6.8	0.094	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	0.024 U	1.6	0.024	ppbv		0.16 U	11	0.16	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.035 U	1.6	0.035	ppbv		0.19 U	8.7	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.027 U	1.6	0.027	ppbv		0.15 U	8.7	0.15	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.031 U	1.6	0.031	ppbv		0.23 U	12	0.23	ug/m3
76-13-1	187.4	1,1,2-Trichlorotrifluoroethane	0.11	1.6	0.041	ppbv	I	0.84	12	0.31	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.22	1.6	0.017	ppbv	I	1.1	7.9	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.044	1.6	0.020	ppbv	I	0.22	7.9	0.098	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.060	1.6	0.022	ppbv	I	0.28	7.5	0.10	ug/m3
75-65-0	74.12	t-Butyl Alcohol ^b	6.9	3.2	0.021	ppbv		21	9.7	0.064	ug/m3
994-05-8	102	tert Amyl Methyl Ether ^b	0.029 U	3.2	0.029	ppbv		0.12 U	13	0.12	ug/m3
127-18-4	165.8	Tetrachloroethene	15.5	1.6	0.044	ppbv		105	11	0.30	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MAG-6
Lab Sample ID: TD86443-1
Matrix: AIR - Air
Method: TO-15
Project: (Air)Crystal Cleaners

Date Sampled: 08/02/23
Date Received: 08/05/23
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
109-99-9	72	Tetrahydrofuran ^b	0.71	1.6	0.045	ppbv	I	2.1	4.7	0.13	ug/m3
108-88-3	92.14	Toluene	6.6	1.6	0.028	ppbv		25	6.0	0.11	ug/m3
79-01-6	131.4	Trichloroethene	0.043	1.6	0.040	ppbv	I	0.23	8.6	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	1.6	0.034	ppbv	I	1.3	9.0	0.19	ug/m3
108-05-4	86	Vinyl acetate	0.81	1.6	0.036	ppbv	I	2.8	5.6	0.13	ug/m3
593-60-2	106.9	Vinyl Bromide	0.038 U	1.6	0.038	ppbv		0.17 U	7.0	0.17	ug/m3
75-01-4	62.5	Vinyl chloride	0.068	1.6	0.039	ppbv	I	0.17	4.1	0.10	ug/m3
	106.2	m,p-Xylene	0.95	1.6	0.037	ppbv	I	4.1	6.9	0.16	ug/m3
95-47-6	106.2	o-Xylene	0.33	1.6	0.017	ppbv	I	1.4	6.9	0.074	ug/m3
1330-20-7	106.2	Xylenes, Total	1.3	1.6	0.037	ppbv	I	5.6	6.9	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	99%	95%	97%	65-128%

- (a) Sample analyzed beyond hold time per client request. Sample was received expired.
(b) Not Florida NELAP certified.
(c) Result is from Run# 3
(d) Not NELAC certified.
(e) Result is from Run# 2

U = Not detected MDL = Method Detection Limit I = Result > = MDL but < PQL J = Estimated value
PQL = Practical Quantitation Limit V = Indicates analyte found in associated method blank
L = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-7	Date Sampled:	08/02/23
Lab Sample ID:	TD86443-2	Date Received:	08/05/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	1L2308109.D	4	08/07/23 23:27	KS	n/a	n/a	V1L1026
Run #2 ^a	1L2308100.D	8	08/07/23 18:08	KS	n/a	n/a	V1L1026
Run #3 ^a	1L2308108.D	25	08/07/23 22:51	KS	n/a	n/a	V1L1026

	Initial Volume
Run #1	400 ml
Run #2	400 ml
Run #3	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
67-64-1	58.08	Acetone ^b	360 ^c	25	0.35	ppbv		855 ^c	59	0.83	ug/m3
107-02-8	56	Acrolein ^b	2.1	2.0	0.098	ppbv		4.8	4.6	0.22	ug/m3
107-13-1	53	Acrylonitrile ^b	0.11	2.0	0.062	ppbv	I	0.24	4.3	0.13	ug/m3
107-05-1	76.53	Allyl chloride ^b	0.069 U	4.0	0.069	ppbv		0.22 U	13	0.22	ug/m3
106-99-0	54.09	1,3-Butadiene	0.11	4.0	0.056	ppbv	I	0.24	8.8	0.12	ug/m3
71-43-2	78.11	Benzene	0.71	2.0	0.033	ppbv	I	2.3	6.4	0.11	ug/m3
100-44-7	126	Benzyl Chloride	0.056	2.0	0.017	ppbv	I	0.29	10	0.088	ug/m3
75-27-4	163.8	Bromodichloromethane ^b	0.039 U	2.0	0.039	ppbv		0.26 U	13	0.26	ug/m3
75-25-2	252.8	Bromoform	0.032 U	2.0	0.032	ppbv		0.33 U	21	0.33	ug/m3
74-83-9	94.94	Bromomethane	0.037 U	2.0	0.037	ppbv		0.14 U	7.8	0.14	ug/m3
78-93-3	72.11	2-Butanone	1.8	2.0	0.048	ppbv	I	5.3	5.9	0.14	ug/m3
104-51-8	134	n-Butylbenzene ^b	0.024 U	2.0	0.024	ppbv		0.13 U	11	0.13	ug/m3
135-98-8	134	sec-Butylbenzene ^b	0.042 U	2.0	0.042	ppbv		0.23 U	11	0.23	ug/m3
75-15-0	76.14	Carbon disulfide ^b	0.19	2.0	0.024	ppbv	I	0.59	6.2	0.075	ug/m3
56-23-5	153.8	Carbon tetrachloride ^b	0.064	2.0	0.041	ppbv	I	0.40	13	0.26	ug/m3
108-90-7	112.6	Chlorobenzene	0.060	2.0	0.036	ppbv	I	0.28	9.2	0.17	ug/m3
75-00-3	64.52	Chloroethane	0.051 U	2.0	0.051	ppbv		0.13 U	5.3	0.13	ug/m3
67-66-3	119.4	Chloroform	0.34	2.0	0.034	ppbv	I	1.7	9.8	0.17	ug/m3
74-87-3	50.49	Chloromethane	0.32	2.0	0.054	ppbv	I	0.66	4.1	0.11	ug/m3
110-82-7	84.16	Cyclohexane ^b	0.84	2.0	0.038	ppbv	I	2.9	6.9	0.13	ug/m3
124-48-1	208.3	Dibromochloromethane ^b	0.029 U	2.0	0.029	ppbv		0.25 U	17	0.25	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.034 U	2.0	0.034	ppbv		0.14 U	8.1	0.14	ug/m3
75-35-4	96.94	1,1-Dichloroethene	0.030 U	2.0	0.030	ppbv		0.12 U	7.9	0.12	ug/m3
106-93-4	187.9	1,2-Dibromoethane	0.033 U	2.0	0.033	ppbv		0.25 U	15	0.25	ug/m3
557-91-5	187.9	1,1-Dibromoethane ^d	0.040 U	2.0	0.040	ppbv		0.31 U	15	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.034 U	2.0	0.034	ppbv		0.14 U	8.1	0.14	ug/m3
78-87-5	113	1,2-Dichloropropane	0.032 U	2.0	0.032	ppbv		0.15 U	9.2	0.15	ug/m3
123-91-1	88	1,4-Dioxane	0.071	2.0	0.028	ppbv	I	0.26	7.2	0.10	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.51	2.0	0.044	ppbv	I	2.5	9.9	0.22	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethene	0.041 U	2.0	0.041	ppbv		0.16 U	7.9	0.16	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MAG-7
Lab Sample ID: TD86443-2
Matrix: AIR - Air
Method: TO-15
Project: (Air)Crystal Cleaners

Date Sampled: 08/02/23**Date Received:** 08/05/23**Percent Solids:** n/a

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
156-59-2	96.94	cis-1,2-Dichloroethene	0.037 U	2.0	0.037	ppbv		0.15 U	7.9	0.15	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.023 U	2.0	0.023	ppbv		0.10 U	9.1	0.10	ug/m3
95-50-1	147	1,2-Dichlorobenzene	0.033 U	2.0	0.033	ppbv		0.20 U	12	0.20	ug/m3
541-73-1	147	1,3-Dichlorobenzene	0.39	2.0	0.031	ppbv	I	2.3	12	0.19	ug/m3
106-46-7	147	1,4-Dichlorobenzene	0.035 U	2.0	0.035	ppbv		0.21 U	12	0.21	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.040 U	2.0	0.040	ppbv		0.18 U	9.1	0.18	ug/m3
76-14-2	170.9	1,2-Dichlorotetrafluoroethane	0.041 U	2.0	0.041	ppbv		0.29 U	14	0.29	ug/m3
108-20-3	102	Di-Isopropyl ether ^b	0.032 U	4.0	0.032	ppbv		0.13 U	17	0.13	ug/m3
64-17-5	46	Ethanol ^b	165 ^c	25	0.88	ppbv		310 ^c	47	1.7	ug/m3
100-41-4	106.2	Ethylbenzene	0.23	2.0	0.033	ppbv	I	1.0	8.7	0.14	ug/m3
141-78-6	88	Ethyl Acetate ^b	0.53	2.0	0.078	ppbv	I	1.9	7.2	0.28	ug/m3
637-92-3	102	Ethyl tert-Butyl Ether ^b	0.030 U	4.0	0.030	ppbv		0.13 U	17	0.13	ug/m3
622-96-8	120.2	4-Ethyltoluene ^b	0.082	4.0	0.056	ppbv	I	0.40	20	0.28	ug/m3
142-82-5	100.2	Heptane	1.0	2.0	0.030	ppbv	I	4.1	8.2	0.12	ug/m3
87-68-3	260.8	Hexachloro-1,3-butadiene	0.026 U	2.0	0.026	ppbv		0.28 U	21	0.28	ug/m3
110-54-3	86.17	Hexane ^b	57.3	2.0	0.035	ppbv		202	7.0	0.12	ug/m3
591-78-6	100	2-Hexanone ^b	0.33	2.0	0.051	ppbv	I	1.3	8.2	0.21	ug/m3
98-82-8	120	Isopropylbenzene ^b	0.038 U	2.0	0.038	ppbv		0.19 U	9.8	0.19	ug/m3
67-63-0	60	Isopropanol ^b	175 ^c	25	0.35	ppbv		429 ^c	61	0.86	ug/m3
99-87-6	134	p-Isopropyltoluene ^d	0.075	2.0	0.027	ppbv	I	0.41	11	0.15	ug/m3
75-09-2	84.94	Methylene chloride	83.5 ^e	4.0	0.11	ppbv		290 ^e	14	0.38	ug/m3
108-10-1	100.2	4-Methyl-2-pentanone	0.15	2.0	0.032	ppbv	I	0.61	8.2	0.13	ug/m3
1634-04-4	88.15	Methyl Tert-Butyl Ether	0.040 U	2.0	0.040	ppbv		0.14 U	7.2	0.14	ug/m3
80-62-6	100	Methyl methacrylate ^b	0.024 U	2.0	0.024	ppbv		0.098 U	8.2	0.098	ug/m3
91-20-3	128.17	Naphthalene ^b	0.054 U	2.0	0.054	ppbv		0.28 U	10	0.28	ug/m3
109-66-0	72	Pentane ^b	1.6	2.0	0.046	ppbv	I	4.7	5.9	0.14	ug/m3
103-65-1	120	n-Propylbenzene ^b	0.033 U	2.0	0.033	ppbv		0.16 U	9.8	0.16	ug/m3
115-07-1	42	Propene ^b	2.0	2.0	0.32	ppbv		3.4	3.4	0.55	ug/m3
100-42-5	104.1	Styrene	0.25	2.0	0.028	ppbv	I	1.1	8.5	0.12	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	0.030 U	2.0	0.030	ppbv		0.21 U	14	0.21	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.043 U	2.0	0.043	ppbv		0.23 U	11	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.034 U	2.0	0.034	ppbv		0.19 U	11	0.19	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.038 U	2.0	0.038	ppbv		0.28 U	15	0.28	ug/m3
76-13-1	187.4	1,1,2-Trichlorotrifluoroethane	0.13	2.0	0.052	ppbv	I	1.0	15	0.40	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.23	2.0	0.021	ppbv	I	1.1	9.8	0.10	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.044	2.0	0.026	ppbv	I	0.22	9.8	0.13	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.10	2.0	0.027	ppbv	I	0.47	9.3	0.13	ug/m3
75-65-0	74.12	t-Butyl Alcohol ^b	4.6	4.0	0.027	ppbv		14	12	0.082	ug/m3
994-05-8	102	tert Amyl Methyl Ether ^b	0.037 U	4.0	0.037	ppbv		0.15 U	17	0.15	ug/m3
127-18-4	165.8	Tetrachloroethene	135 ^e	4.0	0.11	ppbv		915 ^e	27	0.75	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-7	Date Sampled:	08/02/23
Lab Sample ID:	TD86443-2	Date Received:	08/05/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
109-99-9	72	Tetrahydrofuran ^b	0.74	2.0	0.056	ppbv	I	2.2	5.9	0.16	ug/m3
108-88-3	92.14	Toluene	8.7	2.0	0.035	ppbv		33	7.5	0.13	ug/m3
79-01-6	131.4	Trichloroethene	0.13	2.0	0.050	ppbv	I	0.70	11	0.27	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.22	2.0	0.042	ppbv	I	1.2	11	0.24	ug/m3
108-05-4	86	Vinyl acetate	0.51	2.0	0.044	ppbv	I	1.8	7.0	0.15	ug/m3
593-60-2	106.9	Vinyl Bromide	0.048 U	2.0	0.048	ppbv		0.21 U	8.7	0.21	ug/m3
75-01-4	62.5	Vinyl chloride	0.075	2.0	0.048	ppbv	I	0.19	5.1	0.12	ug/m3
	106.2	m,p-Xylene	0.91	2.0	0.046	ppbv	I	4.0	8.7	0.20	ug/m3
95-47-6	106.2	o-Xylene	0.32	2.0	0.022	ppbv	I	1.4	8.7	0.096	ug/m3
1330-20-7	106.2	Xylenes, Total	1.2	2.0	0.046	ppbv	I	5.2	8.7	0.20	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	102%	97%	95%	65-128%

- (a) Sample analyzed beyond hold time per client request. Sample was received expired.
 (b) Not Florida NELAP certified.
 (c) Result is from Run# 3
 (d) Not NELAC certified.
 (e) Result is from Run# 2

U = Not detected MDL = Method Detection Limit I = Result > = MDL but < PQL J = Estimated value
 PQL = Practical Quantitation Limit V = Indicates analyte found in associated method blank
 L = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-8	Date Sampled:	08/02/23
Lab Sample ID:	TD86443-3	Date Received:	08/05/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	1L2308112.D	4	08/08/23 01:13	KS	n/a	n/a	V1L1026
Run #2 ^a	1L2308101.D	8	08/07/23 18:43	KS	n/a	n/a	V1L1026
Run #3 ^a	1L2308111.D	25	08/08/23 00:36	KS	n/a	n/a	V1L1026

	Initial Volume
Run #1	400 ml
Run #2	400 ml
Run #3	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
67-64-1	58.08	Acetone ^b	371 ^c	25	0.35	ppbv		881 ^c	59	0.83	ug/m3
107-02-8	56	Acrolein ^b	2.4	2.0	0.098	ppbv		5.5	4.6	0.22	ug/m3
107-13-1	53	Acrylonitrile ^b	0.11	2.0	0.062	ppbv	I	0.24	4.3	0.13	ug/m3
107-05-1	76.53	Allyl chloride ^b	0.069 U	4.0	0.069	ppbv		0.22 U	13	0.22	ug/m3
106-99-0	54.09	1,3-Butadiene	0.056 U	4.0	0.056	ppbv		0.12 U	8.8	0.12	ug/m3
71-43-2	78.11	Benzene	0.64	2.0	0.033	ppbv	I	2.0	6.4	0.11	ug/m3
100-44-7	126	Benzyl Chloride	0.052	2.0	0.017	ppbv	I	0.27	10	0.088	ug/m3
75-27-4	163.8	Bromodichloromethane ^b	0.081	2.0	0.039	ppbv	I	0.54	13	0.26	ug/m3
75-25-2	252.8	Bromoform	0.032 U	2.0	0.032	ppbv		0.33 U	21	0.33	ug/m3
74-83-9	94.94	Bromomethane	0.037 U	2.0	0.037	ppbv		0.14 U	7.8	0.14	ug/m3
78-93-3	72.11	2-Butanone	1.8	2.0	0.048	ppbv	I	5.3	5.9	0.14	ug/m3
104-51-8	134	n-Butylbenzene ^b	0.024 U	2.0	0.024	ppbv		0.13 U	11	0.13	ug/m3
135-98-8	134	sec-Butylbenzene ^b	0.042 U	2.0	0.042	ppbv		0.23 U	11	0.23	ug/m3
75-15-0	76.14	Carbon disulfide ^b	0.21	2.0	0.024	ppbv	I	0.65	6.2	0.075	ug/m3
56-23-5	153.8	Carbon tetrachloride ^b	0.069	2.0	0.041	ppbv	I	0.43	13	0.26	ug/m3
108-90-7	112.6	Chlorobenzene	0.036 U	2.0	0.036	ppbv		0.17 U	9.2	0.17	ug/m3
75-00-3	64.52	Chloroethane	0.051 U	2.0	0.051	ppbv		0.13 U	5.3	0.13	ug/m3
67-66-3	119.4	Chloroform	0.60	2.0	0.034	ppbv	I	2.9	9.8	0.17	ug/m3
74-87-3	50.49	Chloromethane	0.32	2.0	0.054	ppbv	I	0.66	4.1	0.11	ug/m3
110-82-7	84.16	Cyclohexane ^b	0.89	2.0	0.038	ppbv	I	3.1	6.9	0.13	ug/m3
124-48-1	208.3	Dibromochloromethane ^b	0.029 U	2.0	0.029	ppbv		0.25 U	17	0.25	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.034 U	2.0	0.034	ppbv		0.14 U	8.1	0.14	ug/m3
75-35-4	96.94	1,1-Dichloroethene	0.030 U	2.0	0.030	ppbv		0.12 U	7.9	0.12	ug/m3
106-93-4	187.9	1,2-Dibromoethane	0.033 U	2.0	0.033	ppbv		0.25 U	15	0.25	ug/m3
557-91-5	187.9	1,1-Dibromoethane ^d	0.040 U	2.0	0.040	ppbv		0.31 U	15	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.034 U	2.0	0.034	ppbv		0.14 U	8.1	0.14	ug/m3
78-87-5	113	1,2-Dichloropropane	0.032 U	2.0	0.032	ppbv		0.15 U	9.2	0.15	ug/m3
123-91-1	88	1,4-Dioxane	0.028 U	2.0	0.028	ppbv		0.10 U	7.2	0.10	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.54	2.0	0.044	ppbv	I	2.7	9.9	0.22	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethene	0.041 U	2.0	0.041	ppbv		0.16 U	7.9	0.16	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MAG-8
Lab Sample ID: TD86443-3
Matrix: AIR - Air
Method: TO-15
Project: (Air)Crystal Cleaners

Date Sampled: 08/02/23**Date Received:** 08/05/23**Percent Solids:** n/a

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
156-59-2	96.94	cis-1,2-Dichloroethene	0.037 U	2.0	0.037	ppbv		0.15 U	7.9	0.15	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.023 U	2.0	0.023	ppbv		0.10 U	9.1	0.10	ug/m3
95-50-1	147	1,2-Dichlorobenzene	0.033 U	2.0	0.033	ppbv		0.20 U	12	0.20	ug/m3
541-73-1	147	1,3-Dichlorobenzene	0.26	2.0	0.031	ppbv	I	1.6	12	0.19	ug/m3
106-46-7	147	1,4-Dichlorobenzene	0.035 U	2.0	0.035	ppbv		0.21 U	12	0.21	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.040 U	2.0	0.040	ppbv		0.18 U	9.1	0.18	ug/m3
76-14-2	170.9	1,2-Dichlorotetrafluoroethane	0.041 U	2.0	0.041	ppbv		0.29 U	14	0.29	ug/m3
108-20-3	102	Di-Isopropyl ether ^b	0.032 U	4.0	0.032	ppbv		0.13 U	17	0.13	ug/m3
64-17-5	46	Ethanol ^b	171 ^c	25	0.88	ppbv		322 ^c	47	1.7	ug/m3
100-41-4	106.2	Ethylbenzene	0.22	2.0	0.033	ppbv	I	0.96	8.7	0.14	ug/m3
141-78-6	88	Ethyl Acetate ^b	0.61	2.0	0.078	ppbv	I	2.2	7.2	0.28	ug/m3
637-92-3	102	Ethyl tert-Butyl Ether ^b	0.030 U	4.0	0.030	ppbv		0.13 U	17	0.13	ug/m3
622-96-8	120.2	4-Ethyltoluene ^b	0.068	4.0	0.056	ppbv	I	0.33	20	0.28	ug/m3
142-82-5	100.2	Heptane	1.1	2.0	0.030	ppbv	I	4.5	8.2	0.12	ug/m3
87-68-3	260.8	Hexachloro-1,3-butadiene	0.026 U	2.0	0.026	ppbv		0.28 U	21	0.28	ug/m3
110-54-3	86.17	Hexane ^b	72.1	2.0	0.035	ppbv		254	7.0	0.12	ug/m3
591-78-6	100	2-Hexanone ^b	0.37	2.0	0.051	ppbv	I	1.5	8.2	0.21	ug/m3
98-82-8	120	Isopropylbenzene ^b	0.038 U	2.0	0.038	ppbv		0.19 U	9.8	0.19	ug/m3
67-63-0	60	Isopropanol ^b	219 ^c	25	0.35	ppbv		537 ^c	61	0.86	ug/m3
99-87-6	134	p-Isopropyltoluene ^d	0.060	2.0	0.027	ppbv	I	0.33	11	0.15	ug/m3
75-09-2	84.94	Methylene chloride	92.1 ^e	4.0	0.11	ppbv		320 ^e	14	0.38	ug/m3
108-10-1	100.2	4-Methyl-2-pentanone	0.13	2.0	0.032	ppbv	I	0.53	8.2	0.13	ug/m3
1634-04-4	88.15	Methyl Tert-Butyl Ether	0.040 U	2.0	0.040	ppbv		0.14 U	7.2	0.14	ug/m3
80-62-6	100	Methyl methacrylate ^b	0.024 U	2.0	0.024	ppbv		0.098 U	8.2	0.098	ug/m3
91-20-3	128.17	Naphthalene ^b	0.054 U	2.0	0.054	ppbv		0.28 U	10	0.28	ug/m3
109-66-0	72	Pentane ^b	1.5	2.0	0.046	ppbv	I	4.4	5.9	0.14	ug/m3
103-65-1	120	n-Propylbenzene ^b	0.033 U	2.0	0.033	ppbv		0.16 U	9.8	0.16	ug/m3
115-07-1	42	Propene ^b	0.79	2.0	0.32	ppbv	I	1.4	3.4	0.55	ug/m3
100-42-5	104.1	Styrene	0.19	2.0	0.028	ppbv	I	0.81	8.5	0.12	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	0.030 U	2.0	0.030	ppbv		0.21 U	14	0.21	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.11	2.0	0.043	ppbv	I	0.60	11	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.034 U	2.0	0.034	ppbv		0.19 U	11	0.19	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.038 U	2.0	0.038	ppbv		0.28 U	15	0.28	ug/m3
76-13-1	187.4	1,1,2-Trichlorotrifluoroethane	0.094	2.0	0.052	ppbv	I	0.72	15	0.40	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.20	2.0	0.021	ppbv	I	0.98	9.8	0.10	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.048	2.0	0.026	ppbv	I	0.24	9.8	0.13	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.075	2.0	0.027	ppbv	I	0.35	9.3	0.13	ug/m3
75-65-0	74.12	t-Butyl Alcohol ^b	4.6	4.0	0.027	ppbv		14	12	0.082	ug/m3
994-05-8	102	tert Amyl Methyl Ether ^b	0.037 U	4.0	0.037	ppbv		0.15 U	17	0.15	ug/m3
127-18-4	165.8	Tetrachloroethene	140 ^e	4.0	0.11	ppbv		949 ^e	27	0.75	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MAG-8
Lab Sample ID: TD86443-3
Matrix: AIR - Air
Method: TO-15
Project: (Air)Crystal Cleaners

Date Sampled: 08/02/23

Date Received: 08/05/23

Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
109-99-9	72	Tetrahydrofuran ^b	0.59	2.0	0.056	ppbv	I	1.7	5.9	0.16	ug/m3
108-88-3	92.14	Toluene	5.9	2.0	0.035	ppbv		22	7.5	0.13	ug/m3
79-01-6	131.4	Trichloroethene	0.22	2.0	0.050	ppbv	I	1.2	11	0.27	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	2.0	0.042	ppbv	I	1.3	11	0.24	ug/m3
108-05-4	86	Vinyl acetate	0.044 U	2.0	0.044	ppbv		0.15 U	7.0	0.15	ug/m3
593-60-2	106.9	Vinyl Bromide	0.048 U	2.0	0.048	ppbv		0.21 U	8.7	0.21	ug/m3
75-01-4	62.5	Vinyl chloride	0.048	2.0	0.048	ppbv	I	0.12	5.1	0.12	ug/m3
	106.2	m,p-Xylene	0.85	2.0	0.046	ppbv	I	3.7	8.7	0.20	ug/m3
95-47-6	106.2	o-Xylene	0.30	2.0	0.022	ppbv	I	1.3	8.7	0.096	ug/m3
1330-20-7	106.2	Xylenes, Total	1.1	2.0	0.046	ppbv	I	4.8	8.7	0.20	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	97%	94%	99%	65-128%

(a) Sample analyzed beyond hold time per client request. Sample was received expired.

(b) Not Florida NELAP certified.

(c) Result is from Run# 3

(d) Not NELAC certified.

(e) Result is from Run# 2

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-9	Date Sampled:	08/02/23
Lab Sample ID:	TD86443-4	Date Received:	08/05/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	1L2308115.D	4	08/08/23 02:58	KS	n/a	n/a	V1L1026
Run #2 ^a	1L2308102.D	8	08/07/23 19:19	KS	n/a	n/a	V1L1026
Run #3 ^a	1L2308114.D	25	08/08/23 02:22	KS	n/a	n/a	V1L1026

	Initial Volume
Run #1	400 ml
Run #2	400 ml
Run #3	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
67-64-1	58.08	Acetone ^b	357 ^c	25	0.35	ppbv		848 ^c	59	0.83	ug/m3
107-02-8	56	Acrolein ^b	2.9	2.0	0.098	ppbv		6.6	4.6	0.22	ug/m3
107-13-1	53	Acrylonitrile ^b	0.12	2.0	0.062	ppbv	I	0.26	4.3	0.13	ug/m3
107-05-1	76.53	Allyl chloride ^b	0.069 U	4.0	0.069	ppbv		0.22 U	13	0.22	ug/m3
106-99-0	54.09	1,3-Butadiene	0.056 U	4.0	0.056	ppbv		0.12 U	8.8	0.12	ug/m3
71-43-2	78.11	Benzene	0.68	2.0	0.033	ppbv	I	2.2	6.4	0.11	ug/m3
100-44-7	126	Benzyl Chloride	0.066	2.0	0.017	ppbv	I	0.34	10	0.088	ug/m3
75-27-4	163.8	Bromodichloromethane ^b	0.039 U	2.0	0.039	ppbv		0.26 U	13	0.26	ug/m3
75-25-2	252.8	Bromoform	0.032 U	2.0	0.032	ppbv		0.33 U	21	0.33	ug/m3
74-83-9	94.94	Bromomethane	0.037 U	2.0	0.037	ppbv		0.14 U	7.8	0.14	ug/m3
78-93-3	72.11	2-Butanone	1.8	2.0	0.048	ppbv	I	5.3	5.9	0.14	ug/m3
104-51-8	134	n-Butylbenzene ^b	0.024 U	2.0	0.024	ppbv		0.13 U	11	0.13	ug/m3
135-98-8	134	sec-Butylbenzene ^b	0.042 U	2.0	0.042	ppbv		0.23 U	11	0.23	ug/m3
75-15-0	76.14	Carbon disulfide ^b	0.19	2.0	0.024	ppbv	I	0.59	6.2	0.075	ug/m3
56-23-5	153.8	Carbon tetrachloride ^b	0.077	2.0	0.041	ppbv	I	0.48	13	0.26	ug/m3
108-90-7	112.6	Chlorobenzene	0.036 U	2.0	0.036	ppbv		0.17 U	9.2	0.17	ug/m3
75-00-3	64.52	Chloroethane	0.051 U	2.0	0.051	ppbv		0.13 U	5.3	0.13	ug/m3
67-66-3	119.4	Chloroform	0.41	2.0	0.034	ppbv	I	2.0	9.8	0.17	ug/m3
74-87-3	50.49	Chloromethane	0.30	2.0	0.054	ppbv	I	0.62	4.1	0.11	ug/m3
110-82-7	84.16	Cyclohexane ^b	0.66	2.0	0.038	ppbv	I	2.3	6.9	0.13	ug/m3
124-48-1	208.3	Dibromochloromethane ^b	0.029 U	2.0	0.029	ppbv		0.25 U	17	0.25	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.034 U	2.0	0.034	ppbv		0.14 U	8.1	0.14	ug/m3
75-35-4	96.94	1,1-Dichloroethene	0.030 U	2.0	0.030	ppbv		0.12 U	7.9	0.12	ug/m3
106-93-4	187.9	1,2-Dibromoethane	0.033 U	2.0	0.033	ppbv		0.25 U	15	0.25	ug/m3
557-91-5	187.9	1,1-Dibromoethane ^d	0.040 U	2.0	0.040	ppbv		0.31 U	15	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.034 U	2.0	0.034	ppbv		0.14 U	8.1	0.14	ug/m3
78-87-5	113	1,2-Dichloropropane	0.032 U	2.0	0.032	ppbv		0.15 U	9.2	0.15	ug/m3
123-91-1	88	1,4-Dioxane	0.028 U	2.0	0.028	ppbv		0.10 U	7.2	0.10	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.53	2.0	0.044	ppbv	I	2.6	9.9	0.22	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethene	0.041 U	2.0	0.041	ppbv		0.16 U	7.9	0.16	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MAG-9
Lab Sample ID: TD86443-4
Matrix: AIR - Air
Method: TO-15
Project: (Air)Crystal Cleaners

Date Sampled: 08/02/23**Date Received:** 08/05/23**Percent Solids:** n/a

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
156-59-2	96.94	cis-1,2-Dichloroethene	0.037 U	2.0	0.037	ppbv		0.15 U	7.9	0.15	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.023 U	2.0	0.023	ppbv		0.10 U	9.1	0.10	ug/m3
95-50-1	147	1,2-Dichlorobenzene	0.033 U	2.0	0.033	ppbv		0.20 U	12	0.20	ug/m3
541-73-1	147	1,3-Dichlorobenzene	0.24	2.0	0.031	ppbv	I	1.4	12	0.19	ug/m3
106-46-7	147	1,4-Dichlorobenzene	0.035 U	2.0	0.035	ppbv		0.21 U	12	0.21	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.040 U	2.0	0.040	ppbv		0.18 U	9.1	0.18	ug/m3
76-14-2	170.9	1,2-Dichlorotetrafluoroethane	0.041 U	2.0	0.041	ppbv		0.29 U	14	0.29	ug/m3
108-20-3	102	Di-Isopropyl ether ^b	0.032 U	4.0	0.032	ppbv		0.13 U	17	0.13	ug/m3
64-17-5	46	Ethanol ^b	162 ^c	25	0.88	ppbv		305 ^c	47	1.7	ug/m3
100-41-4	106.2	Ethylbenzene	0.20	2.0	0.033	ppbv	I	0.87	8.7	0.14	ug/m3
141-78-6	88	Ethyl Acetate ^b	0.55	2.0	0.078	ppbv	I	2.0	7.2	0.28	ug/m3
637-92-3	102	Ethyl tert-Butyl Ether ^b	0.030 U	4.0	0.030	ppbv		0.13 U	17	0.13	ug/m3
622-96-8	120.2	4-Ethyltoluene ^b	0.056 U	4.0	0.056	ppbv		0.28 U	20	0.28	ug/m3
142-82-5	100.2	Heptane	0.93	2.0	0.030	ppbv	I	3.8	8.2	0.12	ug/m3
87-68-3	260.8	Hexachloro-1,3-butadiene	0.026 U	2.0	0.026	ppbv		0.28 U	21	0.28	ug/m3
110-54-3	86.17	Hexane ^b	49.9	2.0	0.035	ppbv		176	7.0	0.12	ug/m3
591-78-6	100	2-Hexanone ^b	0.19	2.0	0.051	ppbv	I	0.78	8.2	0.21	ug/m3
98-82-8	120	Isopropylbenzene ^b	0.038 U	2.0	0.038	ppbv		0.19 U	9.8	0.19	ug/m3
67-63-0	60	Isopropanol ^b	162 ^c	25	0.35	ppbv		398 ^c	61	0.86	ug/m3
99-87-6	134	p-Isopropyltoluene ^d	0.063	2.0	0.027	ppbv	I	0.35	11	0.15	ug/m3
75-09-2	84.94	Methylene chloride	86.5 ^e	4.0	0.11	ppbv		301 ^e	14	0.38	ug/m3
108-10-1	100.2	4-Methyl-2-pentanone	0.10	2.0	0.032	ppbv	I	0.41	8.2	0.13	ug/m3
1634-04-4	88.15	Methyl Tert-Butyl Ether	0.040 U	2.0	0.040	ppbv		0.14 U	7.2	0.14	ug/m3
80-62-6	100	Methyl methacrylate ^b	0.024 U	2.0	0.024	ppbv		0.098 U	8.2	0.098	ug/m3
91-20-3	128.17	Naphthalene ^b	0.054 U	2.0	0.054	ppbv		0.28 U	10	0.28	ug/m3
109-66-0	72	Pentane ^b	1.4	2.0	0.046	ppbv	I	4.1	5.9	0.14	ug/m3
103-65-1	120	n-Propylbenzene ^b	0.033 U	2.0	0.033	ppbv		0.16 U	9.8	0.16	ug/m3
115-07-1	42	Propene ^b	1.0	2.0	0.32	ppbv	I	1.7	3.4	0.55	ug/m3
100-42-5	104.1	Styrene	0.18	2.0	0.028	ppbv	I	0.77	8.5	0.12	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	0.030 U	2.0	0.030	ppbv		0.21 U	14	0.21	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.043 U	2.0	0.043	ppbv		0.23 U	11	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.034 U	2.0	0.034	ppbv		0.19 U	11	0.19	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.038 U	2.0	0.038	ppbv		0.28 U	15	0.28	ug/m3
76-13-1	187.4	1,1,2-Trichlorotrifluoroethane	0.084	2.0	0.052	ppbv	I	0.64	15	0.40	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.17	2.0	0.021	ppbv	I	0.84	9.8	0.10	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.039	2.0	0.026	ppbv	I	0.19	9.8	0.13	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.10	2.0	0.027	ppbv	I	0.47	9.3	0.13	ug/m3
75-65-0	74.12	t-Butyl Alcohol ^b	4.2	4.0	0.027	ppbv		13	12	0.082	ug/m3
994-05-8	102	tert Amyl Methyl Ether ^b	0.037 U	4.0	0.037	ppbv		0.15 U	17	0.15	ug/m3
127-18-4	165.8	Tetrachloroethene	71.9	2.0	0.055	ppbv		488	14	0.37	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-9	Date Sampled:	08/02/23
Lab Sample ID:	TD86443-4	Date Received:	08/05/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
109-99-9	72	Tetrahydrofuran ^b	0.50	2.0	0.056	ppbv	I	1.5	5.9	0.16	ug/m3
108-88-3	92.14	Toluene	6.0	2.0	0.035	ppbv		23	7.5	0.13	ug/m3
79-01-6	131.4	Trichloroethene	0.12	2.0	0.050	ppbv	I	0.64	11	0.27	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	2.0	0.042	ppbv	I	1.3	11	0.24	ug/m3
108-05-4	86	Vinyl acetate	0.48	2.0	0.044	ppbv	I	1.7	7.0	0.15	ug/m3
593-60-2	106.9	Vinyl Bromide	0.048 U	2.0	0.048	ppbv		0.21 U	8.7	0.21	ug/m3
75-01-4	62.5	Vinyl chloride	0.055	2.0	0.048	ppbv	I	0.14	5.1	0.12	ug/m3
	106.2	m,p-Xylene	0.85	2.0	0.046	ppbv	I	3.7	8.7	0.20	ug/m3
95-47-6	106.2	o-Xylene	0.28	2.0	0.022	ppbv	I	1.2	8.7	0.096	ug/m3
1330-20-7	106.2	Xylenes, Total	1.1	2.0	0.046	ppbv	I	4.8	8.7	0.20	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	100%	99%	94%	65-128%

(a) Sample analyzed beyond hold time per client request. Sample was received expired.

(b) Not Florida NELAP certified.

(c) Result is from Run# 3

(d) Not NELAC certified.

(e) Result is from Run# 2

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-10	Date Sampled:	08/02/23
Lab Sample ID:	TD86443-5	Date Received:	08/05/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	1L2308118.D	3.2	08/08/23 04:44	KS	n/a	n/a	V1L1026
Run #2 ^a	1L2308103.D	8	08/07/23 19:54	KS	n/a	n/a	V1L1026
Run #3 ^a	1L2308117.D	25	08/08/23 04:07	KS	n/a	n/a	V1L1026

	Initial Volume
Run #1	400 ml
Run #2	400 ml
Run #3	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
67-64-1	58.08	Acetone ^b	352 ^c	25	0.35	ppbv		836 ^c	59	0.83	ug/m3
107-02-8	56	Acrolein ^b	2.4	1.6	0.078	ppbv		5.5	3.7	0.18	ug/m3
107-13-1	53	Acrylonitrile ^b	0.13	1.6	0.049	ppbv	I	0.28	3.5	0.11	ug/m3
107-05-1	76.53	Allyl chloride ^b	0.055 U	3.2	0.055	ppbv		0.17 U	10	0.17	ug/m3
106-99-0	54.09	1,3-Butadiene	0.044 U	3.2	0.044	ppbv		0.097 U	7.1	0.097	ug/m3
71-43-2	78.11	Benzene	0.59	1.6	0.026	ppbv	I	1.9	5.1	0.083	ug/m3
100-44-7	126	Benzyl Chloride	0.039	1.6	0.014	ppbv	I	0.20	8.2	0.072	ug/m3
75-27-4	163.8	Bromodichloromethane ^b	0.17	1.6	0.031	ppbv	I	1.1	11	0.21	ug/m3
75-25-2	252.8	Bromoform	0.025 U	1.6	0.025	ppbv		0.26 U	17	0.26	ug/m3
74-83-9	94.94	Bromomethane	0.029 U	1.6	0.029	ppbv		0.11 U	6.2	0.11	ug/m3
78-93-3	72.11	2-Butanone	1.9	1.6	0.038	ppbv		5.6	4.7	0.11	ug/m3
104-51-8	134	n-Butylbenzene ^b	0.019 U	1.6	0.019	ppbv		0.10 U	8.8	0.10	ug/m3
135-98-8	134	sec-Butylbenzene ^b	0.033 U	1.6	0.033	ppbv		0.18 U	8.8	0.18	ug/m3
75-15-0	76.14	Carbon disulfide ^b	0.17	1.6	0.020	ppbv	I	0.53	5.0	0.062	ug/m3
56-23-5	153.8	Carbon tetrachloride ^b	0.045	1.6	0.033	ppbv	I	0.28	10	0.21	ug/m3
108-90-7	112.6	Chlorobenzene	0.028 U	1.6	0.028	ppbv		0.13 U	7.4	0.13	ug/m3
75-00-3	64.52	Chloroethane	0.041 U	1.6	0.041	ppbv		0.11 U	4.2	0.11	ug/m3
67-66-3	119.4	Chloroform	4.2	1.6	0.028	ppbv		21	7.8	0.14	ug/m3
74-87-3	50.49	Chloromethane	0.18	1.6	0.044	ppbv	I	0.37	3.3	0.091	ug/m3
110-82-7	84.16	Cyclohexane ^b	0.45	1.6	0.031	ppbv	I	1.5	5.5	0.11	ug/m3
124-48-1	208.3	Dibromochloromethane ^b	0.023 U	1.6	0.023	ppbv		0.20 U	14	0.20	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.027 U	1.6	0.027	ppbv		0.11 U	6.5	0.11	ug/m3
75-35-4	96.94	1,1-Dichloroethene	0.024 U	1.6	0.024	ppbv		0.095 U	6.3	0.095	ug/m3
106-93-4	187.9	1,2-Dibromoethane	0.027 U	1.6	0.027	ppbv		0.21 U	12	0.21	ug/m3
557-91-5	187.9	1,1-Dibromoethane ^d	0.032 U	1.6	0.032	ppbv		0.25 U	12	0.25	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.027 U	1.6	0.027	ppbv		0.11 U	6.5	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	0.025 U	1.6	0.025	ppbv		0.12 U	7.4	0.12	ug/m3
123-91-1	88	1,4-Dioxane	0.043	1.6	0.022	ppbv	I	0.15	5.8	0.079	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.53	1.6	0.035	ppbv	I	2.6	7.9	0.17	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethene	0.033 U	1.6	0.033	ppbv		0.13 U	6.3	0.13	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MAG-10
Lab Sample ID: TD86443-5
Matrix: AIR - Air
Method: TO-15
Project: (Air)Crystal Cleaners

Date Sampled: 08/02/23
Date Received: 08/05/23
Percent Solids: n/a

4.5
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VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
156-59-2	96.94	cis-1,2-Dichloroethene	0.030 U	1.6	0.030	ppbv		0.12 U	6.3	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.018 U	1.6	0.018	ppbv		0.082 U	7.3	0.082	ug/m3
95-50-1	147	1,2-Dichlorobenzene	0.027 U	1.6	0.027	ppbv		0.16 U	9.6	0.16	ug/m3
541-73-1	147	1,3-Dichlorobenzene	0.15	1.6	0.025	ppbv	I	0.90	9.6	0.15	ug/m3
106-46-7	147	1,4-Dichlorobenzene	0.028 U	1.6	0.028	ppbv		0.17 U	9.6	0.17	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.032 U	1.6	0.032	ppbv		0.15 U	7.3	0.15	ug/m3
76-14-2	170.9	1,2-Dichlorotetrafluoroethane	0.033 U	1.6	0.033	ppbv		0.23 U	11	0.23	ug/m3
108-20-3	102	Di-Isopropyl ether ^b	0.025 U	3.2	0.025	ppbv		0.10 U	13	0.10	ug/m3
64-17-5	46	Ethanol ^b	156 ^c	25	0.88	ppbv		293 ^c	47	1.7	ug/m3
100-41-4	106.2	Ethylbenzene	0.21	1.6	0.027	ppbv	I	0.91	6.9	0.12	ug/m3
141-78-6	88	Ethyl Acetate ^b	0.46	1.6	0.062	ppbv	I	1.7	5.8	0.22	ug/m3
637-92-3	102	Ethyl tert-Butyl Ether ^b	0.024 U	3.2	0.024	ppbv		0.10 U	13	0.10	ug/m3
622-96-8	120.2	4-Ethyltoluene ^b	0.061	3.2	0.045	ppbv	I	0.30	16	0.22	ug/m3
142-82-5	100.2	Heptane	0.80	1.6	0.024	ppbv	I	3.3	6.6	0.098	ug/m3
87-68-3	260.8	Hexachloro-1,3-butadiene	0.021 U	1.6	0.021	ppbv		0.22 U	17	0.22	ug/m3
110-54-3	86.17	Hexane ^b	38.3	1.6	0.028	ppbv		135	5.6	0.099	ug/m3
591-78-6	100	2-Hexanone ^b	0.25	1.6	0.041	ppbv	I	1.0	6.5	0.17	ug/m3
98-82-8	120	Isopropylbenzene ^b	0.030 U	1.6	0.030	ppbv		0.15 U	7.9	0.15	ug/m3
67-63-0	60	Isopropanol ^b	141 ^e	8.0	0.11	ppbv		346 ^e	20	0.27	ug/m3
99-87-6	134	p-Isopropyltoluene ^d	0.063	1.6	0.022	ppbv	I	0.35	8.8	0.12	ug/m3
75-09-2	84.94	Methylene chloride	84.9 ^e	4.0	0.11	ppbv		295 ^e	14	0.38	ug/m3
108-10-1	100.2	4-Methyl-2-pentanone	0.16	1.6	0.025	ppbv	I	0.66	6.6	0.10	ug/m3
1634-04-4	88.15	Methyl Tert-Butyl Ether	0.032 U	1.6	0.032	ppbv		0.12 U	5.8	0.12	ug/m3
80-62-6	100	Methyl methacrylate ^b	0.020 U	1.6	0.020	ppbv		0.082 U	6.5	0.082	ug/m3
91-20-3	128.17	Naphthalene ^b	0.044 U	1.6	0.044	ppbv		0.23 U	8.4	0.23	ug/m3
109-66-0	72	Pentane ^b	0.69	1.6	0.036	ppbv	I	2.0	4.7	0.11	ug/m3
103-65-1	120	n-Propylbenzene ^b	0.028	1.6	0.027	ppbv	I	0.14	7.9	0.13	ug/m3
115-07-1	42	Propene ^b	0.67	1.6	0.26	ppbv	I	1.2	2.7	0.45	ug/m3
100-42-5	104.1	Styrene	0.22	1.6	0.022	ppbv	I	0.94	6.8	0.094	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	0.024 U	1.6	0.024	ppbv		0.16 U	11	0.16	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.035 U	1.6	0.035	ppbv		0.19 U	8.7	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.027 U	1.6	0.027	ppbv		0.15 U	8.7	0.15	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.031 U	1.6	0.031	ppbv		0.23 U	12	0.23	ug/m3
76-13-1	187.4	1,1,2-Trichlorotrifluoroethane	0.070	1.6	0.041	ppbv	I	0.54	12	0.31	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.16	1.6	0.017	ppbv	I	0.79	7.9	0.084	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.037	1.6	0.020	ppbv	I	0.18	7.9	0.098	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.042	1.6	0.022	ppbv	I	0.20	7.5	0.10	ug/m3
75-65-0	74.12	t-Butyl Alcohol ^b	6.2	3.2	0.021	ppbv		19	9.7	0.064	ug/m3
994-05-8	102	tert Amyl Methyl Ether ^b	0.029 U	3.2	0.029	ppbv		0.12 U	13	0.12	ug/m3
127-18-4	165.8	Tetrachloroethene	12.9	1.6	0.044	ppbv		87.5	11	0.30	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MAG-10
Lab Sample ID: TD86443-5
Matrix: AIR - Air
Method: TO-15
Project: (Air)Crystal Cleaners

Date Sampled: 08/02/23

Date Received: 08/05/23

Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
109-99-9	72	Tetrahydrofuran ^b	0.36	1.6	0.045	ppbv	I	1.1	4.7	0.13	ug/m3
108-88-3	92.14	Toluene	6.5	1.6	0.028	ppbv		24	6.0	0.11	ug/m3
79-01-6	131.4	Trichloroethene	0.049	1.6	0.040	ppbv	I	0.26	8.6	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	1.6	0.034	ppbv	I	1.3	9.0	0.19	ug/m3
108-05-4	86	Vinyl acetate	0.55	1.6	0.036	ppbv	I	1.9	5.6	0.13	ug/m3
593-60-2	106.9	Vinyl Bromide	0.038 U	1.6	0.038	ppbv		0.17 U	7.0	0.17	ug/m3
75-01-4	62.5	Vinyl chloride	0.046	1.6	0.039	ppbv	I	0.12	4.1	0.10	ug/m3
	106.2	m,p-Xylene	0.83	1.6	0.037	ppbv	I	3.6	6.9	0.16	ug/m3
95-47-6	106.2	o-Xylene	0.28	1.6	0.017	ppbv	I	1.2	6.9	0.074	ug/m3
1330-20-7	106.2	Xylenes, Total	1.1	1.6	0.037	ppbv	I	4.8	6.9	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	98%	99%	94%	65-128%

(a) Sample analyzed beyond hold time per client request. Sample was received expired.

(b) Not Florida NELAP certified.

(c) Result is from Run# 3

(d) Not NELAC certified.

(e) Result is from Run# 2

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS North America Inc - Orlando

Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, FL 32811
TEL: 407-425-6700 FAX: 407-425-0707

SGS - ORLANDO JOB # :

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ORLD-SMT-0001-03-FORM-COC (4).xls Rev 031318

<http://www.sqs.com/en/terms-and-conditions>

TD86443: Chain of Custody

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SGS

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TD86443

5.1

Project: CRYSTAL CLEANERS

Airbill #'s: 5801 3251 0184

Cooler Temps (Corrected) °C: Cooler 1: (23.8);

Y or N

Y or N

Intact

Y or N N/A

11

Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Page 2 of 2



MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 3

Job Number: TD86443
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1L1026-MB	1L2308097.D	1	08/07/23	KS	n/a	n/a	V1L1026

The QC reported here applies to the following samples:

Method: TO-15

TD86443-1, TD86443-2, TD86443-3, TD86443-4, TD86443-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	0.21	1.0	0.014	ppbv	J	0.50	2.4	ug/m3
107-02-8	Acrolein	0.024	0.50	0.024	ppbv	J	0.055	1.1	ug/m3
107-13-1	Acrylonitrile	ND	0.50	0.015	ppbv		ND	1.1	ug/m3
107-05-1	Allyl chloride	ND	1.0	0.017	ppbv		ND	3.1	ug/m3
106-99-0	1,3-Butadiene	ND	1.0	0.014	ppbv		ND	2.2	ug/m3
71-43-2	Benzene	ND	0.50	0.0082	ppbv		ND	1.6	ug/m3
100-44-7	Benzyl Chloride	0.0088	0.50	0.0043	ppbv	J	0.045	2.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	0.0097	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	0.0079	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	0.0092	ppbv		ND	1.9	ug/m3
78-93-3	2-Butanone	0.026	0.50	0.012	ppbv	J	0.077	1.5	ug/m3
104-51-8	n-Butylbenzene	ND	0.50	0.0059	ppbv		ND	2.7	ug/m3
135-98-8	sec-Butylbenzene	ND	0.50	0.010	ppbv		ND	2.7	ug/m3
75-15-0	Carbon disulfide	ND	0.50	0.0061	ppbv		ND	1.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	0.010	ppbv		ND	3.1	ug/m3
108-90-7	Chlorobenzene	ND	0.50	0.0089	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.50	0.013	ppbv		ND	1.3	ug/m3
67-66-3	Chloroform	ND	0.50	0.0086	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	0.014	ppbv		ND	1.0	ug/m3
110-82-7	Cyclohexane	ND	0.50	0.0096	ppbv		ND	1.7	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	0.0072	ppbv		ND	4.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	0.0085	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethene	ND	0.50	0.0074	ppbv		ND	2.0	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	0.0083	ppbv		ND	3.8	ug/m3
557-91-5	1,1-Dibromoethane	ND	0.50	0.0099	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	0.0084	ppbv		ND	2.0	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	0.0079	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	0.0070	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	0.011	ppbv		ND	2.5	ug/m3
156-60-5	trans-1,2-Dichloroethene	ND	0.50	0.010	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.0093	ppbv		ND	2.0	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.0057	ppbv		ND	2.3	ug/m3
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.0083	ppbv		ND	3.0	ug/m3
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.0078	ppbv		ND	3.0	ug/m3
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.0088	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.010	ppbv		ND	2.3	ug/m3

Method Blank Summary

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Job Number: TD86443
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1L1026-MB	1L2308097.D	1	08/07/23	KS	n/a	n/a	V1L1026

The QC reported here applies to the following samples:

Method: TO-15

TD86443-1, TD86443-2, TD86443-3, TD86443-4, TD86443-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-14-2	1,2-Dichlorotetrafluoroethane	ND	0.50	0.010	ppbv		ND	3.5	ug/m3
108-20-3	Di-Isopropyl ether	ND	1.0	0.0079	ppbv		ND	4.2	ug/m3
64-17-5	Ethanol	0.058	1.0	0.035	ppbv	J	0.11	1.9	ug/m3
100-41-4	Ethylbenzene	ND	0.50	0.0083	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	0.019	ppbv		ND	1.8	ug/m3
637-92-3	Ethyl tert-Butyl Ether	ND	1.0	0.0076	ppbv		ND	4.2	ug/m3
622-96-8	4-Ethyltoluene	ND	1.0	0.014	ppbv		ND	4.9	ug/m3
142-82-5	Heptane	ND	0.50	0.0075	ppbv		ND	2.0	ug/m3
87-68-3	Hexachloro-1,3-butadiene	0.0098	0.50	0.0066	ppbv	J	0.10	5.3	ug/m3
110-54-3	Hexane	ND	0.50	0.0088	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	0.013	ppbv		ND	2.0	ug/m3
98-82-8	Isopropylbenzene	ND	0.50	0.0094	ppbv		ND	2.5	ug/m3
67-63-0	Isopropanol	0.045	1.0	0.014	ppbv	J	0.11	2.5	ug/m3
99-87-6	p-Isopropyltoluene	ND	0.50	0.0068	ppbv		ND	2.7	ug/m3
75-09-2	Methylene chloride	ND	0.50	0.014	ppbv		ND	1.7	ug/m3
108-10-1	4-Methyl-2-pentanone	ND	0.50	0.0079	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert-Butyl Ether	ND	0.50	0.0099	ppbv		ND	1.8	ug/m3
80-62-6	Methyl methacrylate	ND	0.50	0.0061	ppbv		ND	2.0	ug/m3
91-20-3	Naphthalene	0.017	0.50	0.014	ppbv	J	0.089	2.6	ug/m3
109-66-0	Pentane	ND	0.50	0.011	ppbv		ND	1.5	ug/m3
103-65-1	n-Propylbenzene	ND	0.50	0.0083	ppbv		ND	2.5	ug/m3
115-07-1	Propene	0.13	0.50	0.080	ppbv	J	0.22	0.86	ug/m3
100-42-5	Styrene	ND	0.50	0.0070	ppbv		ND	2.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.0076	ppbv		ND	3.4	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.011	ppbv		ND	2.7	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.0084	ppbv		ND	2.7	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.012	0.50	0.0096	ppbv	J	0.089	3.7	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	0.50	0.013	ppbv		ND	3.8	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.0052	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.0064	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	0.0068	ppbv		ND	2.3	ug/m3
75-65-0	t-Butyl Alcohol	0.012	1.0	0.0067	ppbv	J	0.036	3.0	ug/m3
994-05-8	tert Amyl Methyl Ether	ND	1.0	0.0092	ppbv		ND	4.2	ug/m3
127-18-4	Tetrachloroethene	ND	0.50	0.014	ppbv		ND	3.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	0.014	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	0.0088	ppbv		ND	1.9	ug/m3

Method Blank Summary

Job Number: TD86443
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1L1026-MB	1L2308097.D	1	08/07/23	KS	n/a	n/a	V1L1026

The QC reported here applies to the following samples: Method: TO-15

TD86443-1, TD86443-2, TD86443-3, TD86443-4, TD86443-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
79-01-6	Trichloroethene	ND	0.50	0.013	ppbv		ND	2.7	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	0.011	ppbv		ND	2.8	ug/m3
108-05-4	Vinyl acetate	0.014	0.50	0.011	ppbv	J	0.049	1.8	ug/m3
593-60-2	Vinyl Bromide	ND	0.50	0.012	ppbv		ND	2.2	ug/m3
75-01-4	Vinyl chloride	ND	0.50	0.012	ppbv		ND	1.3	ug/m3
	m,p-Xylene	ND	0.50	0.012	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	0.0054	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes, Total	ND	0.50	0.012	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries	Limits
460-00-4	4-Bromofluorobenzene	99% 65-128%

Laboratory Control Sample Summary

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Job Number: TD86443
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1L1026-LCS	1L2308095.D	1	08/07/23	KS	n/a	n/a	V1L1026

The QC reported here applies to the following samples:

Method: TO-15

TD86443-1, TD86443-2, TD86443-3, TD86443-4, TD86443-5

CAS No.	Compound	Spike ppbv	LCS ppbv	LCS %	Limits
67-64-1	Acetone	10	8.1	81	52-151
107-02-8	Acrolein	10	9.1	91	47-166
107-13-1	Acrylonitrile	10	8.6	86	38-179
107-05-1	Allyl chloride	20	17.5	88	38-186
106-99-0	1,3-Butadiene	20	17.5	88	55-158
71-43-2	Benzene	10	9.6	96	53-148
100-44-7	Benzyl Chloride	10	10.5	105	73-151
75-27-4	Bromodichloromethane	10	9.7	97	55-151
75-25-2	Bromoform	10	10.7	107	59-165
74-83-9	Bromomethane	10	8.4	84	62-143
78-93-3	2-Butanone	10	8.8	88	63-146
104-51-8	n-Butylbenzene	10	10.7	107	63-156
135-98-8	sec-Butylbenzene	10	10.6	106	64-149
75-15-0	Carbon disulfide	10	9.4	94	38-184
56-23-5	Carbon tetrachloride	10	10.9	109	51-156
108-90-7	Chlorobenzene	10	9.9	99	62-135
75-00-3	Chloroethane	10	8.5	85	61-145
67-66-3	Chloroform	10	9.6	96	64-132
74-87-3	Chloromethane	10	9.5	95	52-149
110-82-7	Cyclohexane	10	9.4	94	61-148
124-48-1	Dibromochloromethane	10	10.3	103	67-144
75-34-3	1,1-Dichloroethane	10	9.1	91	62-128
75-35-4	1,1-Dichloroethene	10	8.7	87	55-164
106-93-4	1,2-Dibromoethane	10	9.6	96	62-145
557-91-5	1,1-Dibromoethane	10	10.4	104	50-150 ^a
107-06-2	1,2-Dichloroethane	10	9.3	93	58-143
78-87-5	1,2-Dichloropropane	10	9.4	94	45-155
123-91-1	1,4-Dioxane	10	9.9	99	36-169
75-71-8	Dichlorodifluoromethane	10	9.6	96	59-141
156-60-5	trans-1,2-Dichloroethene	10	9.2	92	66-128
156-59-2	cis-1,2-Dichloroethene	10	9.4	94	59-144
10061-01-5	cis-1,3-Dichloropropene	10	10.7	107	57-162
95-50-1	1,2-Dichlorobenzene	10	10.2	102	48-158
541-73-1	1,3-Dichlorobenzene	10	10.1	101	52-158
106-46-7	1,4-Dichlorobenzene	10	9.9	99	50-158
10061-02-6	trans-1,3-Dichloropropene	10	9.8	98	60-160

* = Outside of Control Limits.

Laboratory Control Sample Summary

Page 2 of 3

Job Number: TD86443
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1L1026-LCS	1L2308095.D	1	08/07/23	KS	n/a	n/a	V1L1026

The QC reported here applies to the following samples:

Method: TO-15

TD86443-1, TD86443-2, TD86443-3, TD86443-4, TD86443-5

CAS No.	Compound	Spike ppbv	LCS ppbv	LCS %	Limits
76-14-2	1,2-Dichlorotetrafluoroethane	10	8.6	86	60-145
108-20-3	Di-Isopropyl ether	10	9.3	93	58-148
64-17-5	Ethanol	10	8.9	89	42-166
100-41-4	Ethylbenzene	10	10.5	105	61-157
141-78-6	Ethyl Acetate	10	9.2	92	61-140
637-92-3	Ethyl tert-Butyl Ether	10	10	100	61-146
622-96-8	4-Ethyltoluene	20	20.5	103	58-159
142-82-5	Heptane	10	9.2	92	62-149
87-68-3	Hexachloro-1,3-butadiene	10	10.4	104	26-191
110-54-3	Hexane	10	9.1	91	61-142
591-78-6	2-Hexanone	10	9.6	96	61-164
98-82-8	Isopropylbenzene	10	10.5	105	66-145
67-63-0	Isopropanol	10	8.6	86	52-153
99-87-6	p-Isopropyltoluene	10	11.1	111	62-157
75-09-2	Methylene chloride	10	8.6	86	47-159
108-10-1	4-Methyl-2-pentanone	10	9.2	92	64-150
1634-04-4	Methyl Tert-Butyl Ether	10	9.6	96	63-141
80-62-6	Methyl methacrylate	10	10.1	101	58-154
91-20-3	Naphthalene	10	11.5	115	42-184
109-66-0	Pentane	10	8.2	82	47-170
103-65-1	n-Propylbenzene	10	11.0	110	66-154
115-07-1	Propene	10	8.1	81	47-159
100-42-5	Styrene	10	11.0	110	80-164
79-34-5	1,1,2,2-Tetrachloroethane	10	9.5	95	60-140
71-55-6	1,1,1-Trichloroethane	10	10.2	102	53-150
79-00-5	1,1,2-Trichloroethane	10	9.7	97	49-151
120-82-1	1,2,4-Trichlorobenzene	10	10.7	107	17-207
76-13-1	1,1,2-Trichlorotrifluoroethane	10	9.1	91	41-181
95-63-6	1,2,4-Trimethylbenzene	10	10.8	108	54-171
108-67-8	1,3,5-Trimethylbenzene	10	10.2	102	59-155
540-84-1	2,2,4-Trimethylpentane	10	9.0	90	61-146
75-65-0	t-Butyl Alcohol	10	9.2	92	50-170
994-05-8	tert Amyl Methyl Ether	10	10.4	104	60-150
127-18-4	Tetrachloroethene	10	10.2	102	58-150
109-99-9	Tetrahydrofuran	10	9.6	96	76-131
108-88-3	Toluene	10	10.3	103	66-146

* = Outside of Control Limits.

Laboratory Control Sample Summary

Page 3 of 3

Job Number: TD86443
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1L1026-LCS	1L2308095.D	1	08/07/23	KS	n/a	n/a	V1L1026

The QC reported here applies to the following samples:

Method: TO-15

TD86443-1, TD86443-2, TD86443-3, TD86443-4, TD86443-5

CAS No.	Compound	Spike ppbv	LCS ppbv	LCS %	Limits
79-01-6	Trichloroethene	10	10.1	101	54-150
75-69-4	Trichlorofluoromethane	10	9.1	91	48-173
108-05-4	Vinyl acetate	10	9.2	92	62-147
593-60-2	Vinyl Bromide	10	9.0	90	59-151
75-01-4	Vinyl chloride	10	8.9	89	61-142
	m,p-Xylene	20	20.7	104	45-168
95-47-6	o-Xylene	10	10.3	103	58-157
1330-20-7	Xylenes, Total	30	31.0	103	53-161

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	101%	65-128%

(a) Advisory control limits.

* = Outside of Control Limits.

Duplicate Summary

Job Number: TD86443
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
TD86443-1DUP	1L2308106.D	3.2	08/07/23	KS	n/a	n/a	V1L1026
TD86443-1 ^a	1L2308105.D	3.2	08/07/23	KS	n/a	n/a	V1L1026
TD86443-1 ^a	1L2308099.D	8	08/07/23	KS	n/a	n/a	V1L1026

The QC reported here applies to the following samples:

Method: TO-15

TD86443-1, TD86443-2, TD86443-3, TD86443-4, TD86443-5

CAS No.	Compound	TD86443-1 ppbv	DUP Q	ppbv	Q	RPD	Limits
67-64-1	Acetone	369 ^b		408	E	10	25
107-02-8	Acrolein	2.8		2.9		4	25
107-13-1	Acrylonitrile	0.12	I	0.15	J	22	25
107-05-1	Allyl chloride	3.2 U		ND		nc	25
106-99-0	1,3-Butadiene	0.076	I	0.062	J	20	25
71-43-2	Benzene	0.77	I	0.79	J	3	25
100-44-7	Benzyl Chloride	0.051	I	0.059	J	15	25
75-27-4	Bromodichloromethane	0.53	I	0.51	J	4	25
75-25-2	Bromoform	1.6 U		ND		nc	25
74-83-9	Bromomethane	1.6 U		ND		nc	25
78-93-3	2-Butanone	2.2		2.2		0	25
104-51-8	n-Butylbenzene	1.6 U		ND		nc	25
135-98-8	sec-Butylbenzene	1.6 U		ND		nc	25
75-15-0	Carbon disulfide	0.19	I	0.20	J	5	25
56-23-5	Carbon tetrachloride	0.062	I	0.063	J	2	25
108-90-7	Chlorobenzene	0.043	I	0.050	J	15	25
75-00-3	Chloroethane	1.6 U		0.047	J	200* ^c	25
67-66-3	Chloroform	16.6		16.3		2	25
74-87-3	Chloromethane	0.30	I	0.30	J	0	25
110-82-7	Cyclohexane	0.63	I	0.66	J	5	25
124-48-1	Dibromochloromethane	1.6 U		ND		nc	25
75-34-3	1,1-Dichloroethane	1.6 U		ND		nc	25
75-35-4	1,1-Dichloroethene	1.6 U		ND		nc	25
106-93-4	1,2-Dibromoethane	1.6 U		ND		nc	25
557-91-5	1,1-Dibromoethane	1.6 U		ND		nc	30 ^d
107-06-2	1,2-Dichloroethane	1.6 U		0.041	J	200* ^c	25
78-87-5	1,2-Dichloropropane	1.6 U		ND		nc	25
123-91-1	1,4-Dioxane	1.6 U		0.048	J	200* ^c	25
75-71-8	Dichlorodifluoromethane	0.54	I	0.56	J	4	25
156-60-5	trans-1,2-Dichloroethene	1.6 U		ND		nc	25
156-59-2	cis-1,2-Dichloroethene	1.6 U		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	1.6 U		ND		nc	25
95-50-1	1,2-Dichlorobenzene	1.6 U		ND		nc	25
541-73-1	1,3-Dichlorobenzene	0.27	I	0.27	J	0	25
106-46-7	1,4-Dichlorobenzene	1.6 U		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	1.6 U		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: TD86443
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
TD86443-1DUP	1L2308106.D	3.2	08/07/23	KS	n/a	n/a	V1L1026
TD86443-1 ^a	1L2308105.D	3.2	08/07/23	KS	n/a	n/a	V1L1026
TD86443-1 ^a	1L2308099.D	8	08/07/23	KS	n/a	n/a	V1L1026

The QC reported here applies to the following samples:

Method: TO-15

TD86443-1, TD86443-2, TD86443-3, TD86443-4, TD86443-5

CAS No.	Compound	TD86443-1 ppbv	DUP Q	ppbv	Q	RPD	Limits
76-14-2	1,2-Dichlorotetrafluoroethane	1.6 U		ND		nc	25
108-20-3	Di-Isopropyl ether	3.2 U		ND		nc	25
64-17-5	Ethanol	178 ^b		201	E	12	25
100-41-4	Ethylbenzene	0.25	I	0.25	J	0	25
141-78-6	Ethyl Acetate	0.51	I	ND		200* ^c	25
637-92-3	Ethyl tert-Butyl Ether	3.2 U		ND		nc	25
622-96-8	4-Ethyltoluene	0.066	I	0.070	J	6	25
142-82-5	Heptane	0.72	I	0.74	J	3	25
87-68-3	Hexachloro-1,3-butadiene	1.6 U		ND		nc	25
110-54-3	Hexane	42.3		42.3		0	25
591-78-6	2-Hexanone	0.34	I	0.27	J	23	25
98-82-8	Isopropylbenzene	1.6 U		ND		nc	25
67-63-0	Isopropanol	165 ^b		188	E	13	25
99-87-6	p-Isopropyltoluene	0.080	I	0.094	J	16	25
75-09-2	Methylene chloride	80.2 ^e		85.5	E	6	25
108-10-1	4-Methyl-2-pentanone	0.18	I	0.19	J	5	25
1634-04-4	Methyl Tert-Butyl Ether	1.6 U		ND		nc	25
80-62-6	Methyl methacrylate	1.6 U		ND		nc	25
91-20-3	Naphthalene	0.068	I	ND		200* ^c	25
109-66-0	Pentane	0.96	I	1.0	J	4	25
103-65-1	n-Propylbenzene	0.029	I	0.032	J	10	25
115-07-1	Propene	1.2	I	1.7		34* ^f	25
100-42-5	Styrene	0.27	I	0.29	J	7	25
79-34-5	1,1,2,2-Tetrachloroethane	1.6 U		ND		nc	25
71-55-6	1,1,1-Trichloroethane	1.6 U		ND		nc	25
79-00-5	1,1,2-Trichloroethane	1.6 U		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	1.6 U		ND		nc	25
76-13-1	1,1,2-Trichlorotrifluoroethane	0.11	I	0.11	J	0	25
95-63-6	1,2,4-Trimethylbenzene	0.22	I	0.22	J	0	25
108-67-8	1,3,5-Trimethylbenzene	0.044	I	0.056	J	24	25
540-84-1	2,2,4-Trimethylpentane	0.060	I	0.054	J	11	25
75-65-0	t-Butyl Alcohol	6.9		7.3		6	25
994-05-8	tert Amyl Methyl Ether	3.2 U		ND		nc	25
127-18-4	Tetrachloroethene	15.5		15.4		1	25
109-99-9	Tetrahydrofuran	0.71	I	0.72	J	1	25
108-88-3	Toluene	6.6		6.7		2	25

* = Outside of Control Limits.

Duplicate Summary

Page 3 of 3

Job Number: TD86443
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
TD86443-1DUP	1L2308106.D	3.2	08/07/23	KS	n/a	n/a	V1L1026
TD86443-1 ^a	1L2308105.D	3.2	08/07/23	KS	n/a	n/a	V1L1026
TD86443-1 ^a	1L2308099.D	8	08/07/23	KS	n/a	n/a	V1L1026

The QC reported here applies to the following samples:

Method: TO-15

TD86443-1, TD86443-2, TD86443-3, TD86443-4, TD86443-5

CAS No.	Compound	TD86443-1 ppbv	DUP Q	ppbv	Q	RPD	Limits
79-01-6	Trichloroethene	0.043	I	ND		200* ^c	25
75-69-4	Trichlorofluoromethane	0.24	I	0.23	J	4	25
108-05-4	Vinyl acetate	0.81	I	0.59	J	31* ^c	25
593-60-2	Vinyl Bromide	1.6 U		ND		nc	25
75-01-4	Vinyl chloride	0.068	I	0.050	J	31* ^c	25
	m,p-Xylene	0.95	I	0.99	J	4	25
95-47-6	o-Xylene	0.33	I	0.34	J	3	25
1330-20-7	Xylenes, Total	1.3	I	1.3	J	0	25

CAS No.	Surrogate Recoveries	DUP	TD86443-1	TD86443-1	Limits
460-00-4	4-Bromofluorobenzene	101%	99%	95%	65-128%

(a) Sample analyzed beyond hold time per client request. Sample was received expired.

(b) Result is from Run #3.

(c) High RPD due to sample level below Reporting Limits.

(d) Advisory control limits.

(e) Result is from Run #2.

(f) Outside control limits due to matrix interference.

* = Outside of Control Limits.



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FINAL

Workorder: Crystal Cleaners (M2304343)

August 10, 2023

Mr. Gregg Roberts
APTIM
725 US Hwy 301 South
Tampa, FL 33619

RE: Workorder: M2304343 Crystal Cleaners

Dear Mr. Gregg Roberts:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday August 2, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sue Bell, Sr Project Manager
SBell@aellab.com

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NELAP Accredited E82535



FINAL

Workorder: Crystal Cleaners (M2304343)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
M2304343001	SB-3.05	SO	SM 2540G	08/02/2023 13:30	08/02/2023 15:54	1	Dry
M2304343001	SB-3.05	SO	SW-846 8260D	08/02/2023 13:30	08/02/2023 15:54	68	Dry
M2304343002	SB-3.2	SO	SM 2540G	08/02/2023 13:35	08/02/2023 15:54	1	Dry
M2304343002	SB-3.2	SO	SW-846 8260D	08/02/2023 13:35	08/02/2023 15:54	68	Dry
M2304343003	SB-3.4	SO	SM 2540G	08/02/2023 13:40	08/02/2023 15:54	1	Dry
M2304343003	SB-3.4	SO	SW-846 8260D	08/02/2023 13:40	08/02/2023 15:54	68	Dry
M2304343004	SB-3.6	SO	SM 2540G	08/02/2023 13:45	08/02/2023 15:54	1	Dry
M2304343004	SB-3.6	SO	SW-846 8260D	08/02/2023 13:45	08/02/2023 15:54	68	Dry
M2304343005	SB-4.05	SO	SM 2540G	08/02/2023 12:20	08/02/2023 15:54	1	Dry
M2304343005	SB-4.05	SO	SW-846 8260D	08/02/2023 12:20	08/02/2023 15:54	68	Dry
M2304343006	SB-4.2	SO	SM 2540G	08/02/2023 12:30	08/02/2023 15:54	1	Dry
M2304343006	SB-4.2	SO	SW-846 8260D	08/02/2023 12:30	08/02/2023 15:54	68	Dry
M2304343007	SB-4.4	SO	SM 2540G	08/02/2023 12:40	08/02/2023 15:54	1	Dry
M2304343007	SB-4.4	SO	SW-846 8260D	08/02/2023 12:40	08/02/2023 15:54	68	Dry
M2304343008	SB-4.6	SO	SM 2540G	08/02/2023 12:50	08/02/2023 15:54	1	Dry
M2304343008	SB-4.6	SO	SW-846 8260D	08/02/2023 12:50	08/02/2023 15:54	68	Dry
M2304343009	SB-5.05	SO	SM 2540G	08/02/2023 11:35	08/02/2023 15:54	1	Dry
M2304343009	SB-5.05	SO	SW-846 8260D	08/02/2023 11:35	08/02/2023 15:54	68	Dry
M2304343010	SB-5.2	SO	SM 2540G	08/02/2023 11:45	08/02/2023 15:54	1	Dry
M2304343010	SB-5.2	SO	SW-846 8260D	08/02/2023 11:45	08/02/2023 15:54	68	Dry
M2304343011	SB-5.4	SO	SM 2540G	08/02/2023 11:50	08/02/2023 15:54	1	Dry
M2304343011	SB-5.4	SO	SW-846 8260D	08/02/2023 11:50	08/02/2023 15:54	68	Dry
M2304343012	SB-5.6	SO	SM 2540G	08/02/2023 12:00	08/02/2023 15:54	1	Dry
M2304343012	SB-5.6	SO	SW-846 8260D	08/02/2023 12:00	08/02/2023 15:54	68	Dry
M2304343013	SB-6.05	SO	SM 2540G	08/02/2023 09:30	08/02/2023 15:54	1	Dry
M2304343013	SB-6.05	SO	SW-846 8260D	08/02/2023 09:30	08/02/2023 15:54	68	Dry
M2304343014	SB-6.2	SO	SM 2540G	08/02/2023 09:35	08/02/2023 15:54	1	Dry
M2304343014	SB-6.2	SO	SW-846 8260D	08/02/2023 09:35	08/02/2023 15:54	68	Dry
M2304343015	SB-6.4	SO	SM 2540G	08/02/2023 09:40	08/02/2023 15:54	1	Dry
M2304343015	SB-6.4	SO	SW-846 8260D	08/02/2023 09:40	08/02/2023 15:54	68	Dry
M2304343016	SB-6.6	SO	SM 2540G	08/02/2023 09:45	08/02/2023 15:54	1	Dry
M2304343016	SB-6.6	SO	SW-846 8260D	08/02/2023 09:45	08/02/2023 15:54	68	Dry
M2304343017	SB-7.05	SO	SM 2540G	08/02/2023 09:00	08/02/2023 15:54	1	Dry
M2304343017	SB-7.05	SO	SW-846 8260D	08/02/2023 09:00	08/02/2023 15:54	68	Dry
M2304343018	SB-7.2	SO	SM 2540G	08/02/2023 09:05	08/02/2023 15:54	1	Dry

Thursday, August 10, 2023 5:03:05 PM
Dates and times are displayed using (-04:00)
Page 2 of 109

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FINAL

Workorder: Crystal Cleaners (M2304343)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
M2304343018	SB-7.2	SO	SW-846 8260D	08/02/2023 09:05	08/02/2023 15:54	68	Dry
M2304343019	SB-7.4	SO	SM 2540G	08/02/2023 09:10	08/02/2023 15:54	1	Dry
M2304343019	SB-7.4	SO	SW-846 8260D	08/02/2023 09:10	08/02/2023 15:54	68	Dry
M2304343020	SB-7.6	SO	SM 2540G	08/02/2023 09:15	08/02/2023 15:54	1	Dry
M2304343020	SB-7.6	SO	SW-846 8260D	08/02/2023 09:15	08/02/2023 15:54	68	Dry

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

- M DOH Certification #E82535 (FL NELAC) AEL-Miami

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID:	M2304343001	Date Collected:	08/02/2023 13:30			Matrix:	Soil	
Sample ID:	SB-3.05	Date Received:	08/02/2023 15:54					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	2.7	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00044 U	mg/Kg	0.0033	0.00044	1	08/07/2023 06:30	08/07/2023 14:45	M
1,1,1-Trichloroethane	0.00058 U	mg/Kg	0.0033	0.00058	1	08/07/2023 06:30	08/07/2023 14:45	M
1,1,2,2-Tetrachloroethane	0.00093 U	mg/Kg	0.0033	0.00093	1	08/07/2023 06:30	08/07/2023 14:45	M
1,1,2-Trichloroethane	0.00035 U	mg/Kg	0.0033	0.00035	1	08/07/2023 06:30	08/07/2023 14:45	M
1,1-Dichloroethane	0.00045 U	mg/Kg	0.0033	0.00045	1	08/07/2023 06:30	08/07/2023 14:45	M
1,1-Dichloroethylene	0.00057 U	mg/Kg	0.0033	0.00057	1	08/07/2023 06:30	08/07/2023 14:45	M
1,1-Dichloropropene	0.00047 U	mg/Kg	0.0033	0.00047	1	08/07/2023 06:30	08/07/2023 14:45	M
1,2,3-Trichlorobenzene	0.00086 U	mg/Kg	0.0033	0.00086	1	08/07/2023 06:30	08/07/2023 14:45	M
1,2,3-Trichloropropane	0.00086 U	mg/Kg	0.0033	0.00086	1	08/07/2023 06:30	08/07/2023 14:45	M
1,2,4-Trichlorobenzene	0.00087 U	mg/Kg	0.0033	0.00087	1	08/07/2023 06:30	08/07/2023 14:45	M
1,2,4-Trimethylbenzene	0.00085 U	mg/Kg	0.0033	0.00085	1	08/07/2023 06:30	08/07/2023 14:45	M
1,2-Dibromo-3-Chloropropane	0.00065 U	mg/Kg	0.0033	0.00065	1	08/07/2023 06:30	08/07/2023 14:45	M
1,2-Dichlorobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 06:30	08/07/2023 14:45	M
1,2-Dichloroethane	0.00039 U	mg/Kg	0.0033	0.00039	1	08/07/2023 06:30	08/07/2023 14:45	M
1,2-Dichloropropane	0.00062 U	mg/Kg	0.0033	0.00062	1	08/07/2023 06:30	08/07/2023 14:45	M
1,3,5-Trimethylbenzene	0.00091 U	mg/Kg	0.0033	0.00091	1	08/07/2023 06:30	08/07/2023 14:45	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0033	0.0011	1	08/07/2023 06:30	08/07/2023 14:45	M
1,3-Dichloropropane	0.00053 U	mg/Kg	0.0033	0.00053	1	08/07/2023 06:30	08/07/2023 14:45	M
1,4-Dichlorobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 06:30	08/07/2023 14:45	M
2,2-Dichloropropane	0.00036 U	mg/Kg	0.0033	0.00036	1	08/07/2023 06:30	08/07/2023 14:45	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343001
Sample ID: SB-3.05

Date Collected: 08/02/2023 13:30
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00081 U	mg/Kg	0.0033	0.00081	1	08/07/2023 06:30	08/07/2023 14:45	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0033	0.0016	1	08/07/2023 06:30	08/07/2023 14:45	M
2-Chlorotoluene	0.00082 U	mg/Kg	0.0033	0.00082	1	08/07/2023 06:30	08/07/2023 14:45	M
2-Hexanone	0.00062 U	mg/Kg	0.0033	0.00062	1	08/07/2023 06:30	08/07/2023 14:45	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 06:30	08/07/2023 14:45	M
4-Methyl-2-pentanone (MIBK)	0.00089 U	mg/Kg	0.0033	0.00089	1	08/07/2023 06:30	08/07/2023 14:45	M
Acetone	0.0011 U	mg/Kg	0.0033	0.0011	1	08/07/2023 06:30	08/07/2023 14:45	M
Acrolein (Propenal)	0.0085 U	mg/Kg	0.016	0.0085	1	08/07/2023 06:30	08/07/2023 14:45	M
Acrylonitrile	0.0014 U	mg/Kg	0.0033	0.0014	1	08/07/2023 06:30	08/07/2023 14:45	M
Benzene	0.00033 U	mg/Kg	0.0033	0.00033	1	08/07/2023 06:30	08/07/2023 14:45	M
Bromobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 06:30	08/07/2023 14:45	M
Bromochloromethane	0.00069 U	mg/Kg	0.0033	0.00069	1	08/07/2023 06:30	08/07/2023 14:45	M
Bromodichloromethane	0.00082 U	mg/Kg	0.0033	0.00082	1	08/07/2023 06:30	08/07/2023 14:45	M
Bromoform	0.00096 U	mg/Kg	0.0033	0.00096	1	08/07/2023 06:30	08/07/2023 14:45	M
Bromomethane	0.0023 U	mg/Kg	0.0033	0.0023	1	08/07/2023 06:30	08/07/2023 14:45	M
Carbon Disulfide	0.00059 U	mg/Kg	0.0033	0.00059	1	08/07/2023 06:30	08/07/2023 14:45	M
Carbon Tetrachloride	0.00048 U	mg/Kg	0.0033	0.00048	1	08/07/2023 06:30	08/07/2023 14:45	M
Chlorobenzene	0.00040 U	mg/Kg	0.0033	0.00040	1	08/07/2023 06:30	08/07/2023 14:45	M
Chloroethane	0.0012 U	mg/Kg	0.0033	0.0012	1	08/07/2023 06:30	08/07/2023 14:45	M
Chloroform	0.00052 U	mg/Kg	0.0033	0.00052	1	08/07/2023 06:30	08/07/2023 14:45	M
Chloromethane	0.00081 U	mg/Kg	0.0033	0.00081	1	08/07/2023 06:30	08/07/2023 14:45	M
Dibromochloromethane	0.00046 U	mg/Kg	0.0033	0.00046	1	08/07/2023 06:30	08/07/2023 14:45	M
Dibromomethane	0.00062 U	mg/Kg	0.0033	0.00062	1	08/07/2023 06:30	08/07/2023 14:45	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0033	0.0011	1	08/07/2023 06:30	08/07/2023 14:45	M

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Dates and times are displayed using (-04:00)
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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343001
Sample ID: SB-3.05

Date Collected: 08/02/2023 13:30
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00041 U	mg/Kg	0.0033	0.00041	1	08/07/2023 06:30	08/07/2023 14:45	M
Ethylene Dibromide (EDB)	0.00060 U	mg/Kg	0.0033	0.00060	1	08/07/2023 06:30	08/07/2023 14:45	M
Hexachlorobutadiene	0.00081 U	mg/Kg	0.0033	0.00081	1	08/07/2023 06:30	08/07/2023 14:45	M
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0033	0.0022	1	08/07/2023 06:30	08/07/2023 14:45	M
Isopropylbenzene	0.00074 U	mg/Kg	0.0033	0.00074	1	08/07/2023 06:30	08/07/2023 14:45	M
Methyl tert-butyl Ether (MTBE)	0.00047 U	mg/Kg	0.0033	0.00047	1	08/07/2023 06:30	08/07/2023 14:45	M
Methylene Chloride	0.0013 U	mg/Kg	0.0033	0.0013	1	08/07/2023 06:30	08/07/2023 14:45	M
Naphthalene	0.00073 U	mg/Kg	0.0033	0.00073	1	08/07/2023 06:30	08/07/2023 14:45	M
Styrene	0.00035 U	mg/Kg	0.0033	0.00035	1	08/07/2023 06:30	08/07/2023 14:45	M
Tetrachloroethylene (PCE)	0.00067 U	mg/Kg	0.0033	0.00067	1	08/07/2023 06:30	08/07/2023 14:45	M
Toluene	0.00050 U	mg/Kg	0.0033	0.00050	1	08/07/2023 06:30	08/07/2023 14:45	M
Trichloroethene	0.00063 U	mg/Kg	0.0033	0.00063	1	08/07/2023 06:30	08/07/2023 14:45	M
Trichlorofluoromethane	0.00045 U	mg/Kg	0.0033	0.00045	1	08/07/2023 06:30	08/07/2023 14:45	M
Vinyl Acetate	0.00048 U	mg/Kg	0.0033	0.00048	1	08/07/2023 06:30	08/07/2023 14:45	M
Vinyl Chloride	0.00056 U	mg/Kg	0.0033	0.00056	1	08/07/2023 06:30	08/07/2023 14:45	M
Xylene (Total)	0.0012 U	mg/Kg	0.0065	0.0012	1	08/07/2023 06:30	08/07/2023 14:45	M
cis-1,2-Dichloroethylene	0.00049 U	mg/Kg	0.0033	0.00049	1	08/07/2023 06:30	08/07/2023 14:45	M
cis-1,3-Dichloropropene	0.00039 U	mg/Kg	0.0033	0.00039	1	08/07/2023 06:30	08/07/2023 14:45	M
n-Butylbenzene	0.00076 U	mg/Kg	0.0033	0.00076	1	08/07/2023 06:30	08/07/2023 14:45	M
n-propylbenzene	0.00083 U	mg/Kg	0.0033	0.00083	1	08/07/2023 06:30	08/07/2023 14:45	M
sec-butylbenzene	0.00088 U	mg/Kg	0.0033	0.00088	1	08/07/2023 06:30	08/07/2023 14:45	M
tert-butylbenzene	0.00076 U	mg/Kg	0.0033	0.00076	1	08/07/2023 06:30	08/07/2023 14:45	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343001
Sample ID: SB-3.05

Date Collected: 08/02/2023 13:30
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00051 U	mg/Kg	0.0033	0.00051	1	08/07/2023 06:30	08/07/2023 14:45	M
trans-1,3-Dichloropropylene	0.00041 U	mg/Kg	0.0033	0.00041	1	08/07/2023 06:30	08/07/2023 14:45	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	53	57	107	69 - 134	M
Toluene-d8 (S)	ug/Kg	53	55	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	53	59	112	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343002	Date Collected: 08/02/2023 13:35			Matrix: Soil				
Sample ID: SB-3.2	Date Received: 08/02/2023 15:54							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	2.9	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00038 U	mg/Kg	0.0028	0.00038	1	08/07/2023 06:30	08/07/2023 15:12	M
1,1,1-Trichloroethane	0.00050 U	mg/Kg	0.0028	0.00050	1	08/07/2023 06:30	08/07/2023 15:12	M
1,1,2,2-Tetrachloroethane	0.00080 U	mg/Kg	0.0028	0.00080	1	08/07/2023 06:30	08/07/2023 15:12	M
1,1,2-Trichloroethane	0.00030 U	mg/Kg	0.0028	0.00030	1	08/07/2023 06:30	08/07/2023 15:12	M
1,1-Dichloroethane	0.00039 U	mg/Kg	0.0028	0.00039	1	08/07/2023 06:30	08/07/2023 15:12	M
1,1-Dichloroethylene	0.00049 U	mg/Kg	0.0028	0.00049	1	08/07/2023 06:30	08/07/2023 15:12	M
1,1-Dichloropropene	0.00040 U	mg/Kg	0.0028	0.00040	1	08/07/2023 06:30	08/07/2023 15:12	M
1,2,3-Trichlorobenzene	0.00074 U	mg/Kg	0.0028	0.00074	1	08/07/2023 06:30	08/07/2023 15:12	M
1,2,3-Trichloropropane	0.00074 U	mg/Kg	0.0028	0.00074	1	08/07/2023 06:30	08/07/2023 15:12	M
1,2,4-Trichlorobenzene	0.00075 U	mg/Kg	0.0028	0.00075	1	08/07/2023 06:30	08/07/2023 15:12	M
1,2,4-Trimethylbenzene	0.00073 U	mg/Kg	0.0028	0.00073	1	08/07/2023 06:30	08/07/2023 15:12	M
1,2-Dibromo-3-Chloropropane	0.00056 U	mg/Kg	0.0028	0.00056	1	08/07/2023 06:30	08/07/2023 15:12	M
1,2-Dichlorobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 15:12	M
1,2-Dichloroethane	0.00034 U	mg/Kg	0.0028	0.00034	1	08/07/2023 06:30	08/07/2023 15:12	M
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0028	0.00054	1	08/07/2023 06:30	08/07/2023 15:12	M
1,3,5-Trimethylbenzene	0.00078 U	mg/Kg	0.0028	0.00078	1	08/07/2023 06:30	08/07/2023 15:12	M
1,3-Dichlorobenzene	0.00097 U	mg/Kg	0.0028	0.00097	1	08/07/2023 06:30	08/07/2023 15:12	M
1,3-Dichloropropane	0.00046 U	mg/Kg	0.0028	0.00046	1	08/07/2023 06:30	08/07/2023 15:12	M
1,4-Dichlorobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 15:12	M
2,2-Dichloropropane	0.00031 U	mg/Kg	0.0028	0.00031	1	08/07/2023 06:30	08/07/2023 15:12	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343002
Sample ID: SB-3.2

Date Collected: 08/02/2023 13:35
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/07/2023 15:12	M
2-Chloroethyl Vinyl Ether	0.0014 U	mg/Kg	0.0028	0.0014	1	08/07/2023 06:30	08/07/2023 15:12	M
2-Chlorotoluene	0.00071 U	mg/Kg	0.0028	0.00071	1	08/07/2023 06:30	08/07/2023 15:12	M
2-Hexanone	0.00054 U	mg/Kg	0.0028	0.00054	1	08/07/2023 06:30	08/07/2023 15:12	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/07/2023 15:12	M
4-Methyl-2-pentanone (MIBK)	0.00077 U	mg/Kg	0.0028	0.00077	1	08/07/2023 06:30	08/07/2023 15:12	M
Acetone	0.00097 U	mg/Kg	0.0028	0.00097	1	08/07/2023 06:30	08/07/2023 15:12	M
Acrolein (Propenal)	0.0073 U	mg/Kg	0.014	0.0073	1	08/07/2023 06:30	08/07/2023 15:12	M
Acrylonitrile	0.0012 U	mg/Kg	0.0028	0.0012	1	08/07/2023 06:30	08/07/2023 15:12	M
Benzene	0.00028 U	mg/Kg	0.0028	0.00028	1	08/07/2023 06:30	08/07/2023 15:12	M
Bromobenzene	0.0010 U	mg/Kg	0.0028	0.0010	1	08/07/2023 06:30	08/07/2023 15:12	M
Bromochloromethane	0.00059 U	mg/Kg	0.0028	0.00059	1	08/07/2023 06:30	08/07/2023 15:12	M
Bromodichloromethane	0.00071 U	mg/Kg	0.0028	0.00071	1	08/07/2023 06:30	08/07/2023 15:12	M
Bromoform	0.00083 U	mg/Kg	0.0028	0.00083	1	08/07/2023 06:30	08/07/2023 15:12	M
Bromomethane	0.0020 U	mg/Kg	0.0028	0.0020	1	08/07/2023 06:30	08/07/2023 15:12	M
Carbon Disulfide	0.00051 U	mg/Kg	0.0028	0.00051	1	08/07/2023 06:30	08/07/2023 15:12	M
Carbon Tetrachloride	0.00041 U	mg/Kg	0.0028	0.00041	1	08/07/2023 06:30	08/07/2023 15:12	M
Chlorobenzene	0.00035 U	mg/Kg	0.0028	0.00035	1	08/07/2023 06:30	08/07/2023 15:12	M
Chloroethane	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/07/2023 15:12	M
Chloroform	0.00045 U	mg/Kg	0.0028	0.00045	1	08/07/2023 06:30	08/07/2023 15:12	M
Chloromethane	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/07/2023 15:12	M
Dibromochloromethane	0.00040 U	mg/Kg	0.0028	0.00040	1	08/07/2023 06:30	08/07/2023 15:12	M
Dibromomethane	0.00054 U	mg/Kg	0.0028	0.00054	1	08/07/2023 06:30	08/07/2023 15:12	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343002
Sample ID: SB-3.2

Date Collected: 08/02/2023 13:35
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00092 U	mg/Kg	0.0028	0.00092	1	08/07/2023 06:30	08/07/2023 15:12	M
Ethylbenzene	0.00036 U	mg/Kg	0.0028	0.00036	1	08/07/2023 06:30	08/07/2023 15:12	M
Ethylene Dibromide (EDB)	0.00052 U	mg/Kg	0.0028	0.00052	1	08/07/2023 06:30	08/07/2023 15:12	M
Hexachlorobutadiene	0.00070 U	mg/Kg	0.0028	0.00070	1	08/07/2023 06:30	08/07/2023 15:12	M
Iodomethane (Methyl Iodide)	0.0019 U	mg/Kg	0.0028	0.0019	1	08/07/2023 06:30	08/07/2023 15:12	M
Isopropylbenzene	0.00064 U	mg/Kg	0.0028	0.00064	1	08/07/2023 06:30	08/07/2023 15:12	M
Methyl tert-butyl Ether (MTBE)	0.00040 U	mg/Kg	0.0028	0.00040	1	08/07/2023 06:30	08/07/2023 15:12	M
Methylene Chloride	0.0011 U	mg/Kg	0.0028	0.0011	1	08/07/2023 06:30	08/07/2023 15:12	M
Naphthalene	0.00063 U	mg/Kg	0.0028	0.00063	1	08/07/2023 06:30	08/07/2023 15:12	M
Styrene	0.00030 U	mg/Kg	0.0028	0.00030	1	08/07/2023 06:30	08/07/2023 15:12	M
Tetrachloroethylene (PCE)	0.00057 U	mg/Kg	0.0028	0.00057	1	08/07/2023 06:30	08/07/2023 15:12	M
Toluene	0.00043 U	mg/Kg	0.0028	0.00043	1	08/07/2023 06:30	08/07/2023 15:12	M
Trichloroethene	0.00055 U	mg/Kg	0.0028	0.00055	1	08/07/2023 06:30	08/07/2023 15:12	M
Trichlorofluoromethane	0.00039 U	mg/Kg	0.0028	0.00039	1	08/07/2023 06:30	08/07/2023 15:12	M
Vinyl Acetate	0.00041 U	mg/Kg	0.0028	0.00041	1	08/07/2023 06:30	08/07/2023 15:12	M
Vinyl Chloride	0.00048 U	mg/Kg	0.0028	0.00048	1	08/07/2023 06:30	08/07/2023 15:12	M
Xylene (Total)	0.0010 U	mg/Kg	0.0056	0.0010	1	08/07/2023 06:30	08/07/2023 15:12	M
cis-1,2-Dichloroethylene	0.00042 U	mg/Kg	0.0028	0.00042	1	08/07/2023 06:30	08/07/2023 15:12	M
cis-1,3-Dichloropropene	0.00034 U	mg/Kg	0.0028	0.00034	1	08/07/2023 06:30	08/07/2023 15:12	M
n-Butylbenzene	0.00066 U	mg/Kg	0.0028	0.00066	1	08/07/2023 06:30	08/07/2023 15:12	M
n-propylbenzene	0.00072 U	mg/Kg	0.0028	0.00072	1	08/07/2023 06:30	08/07/2023 15:12	M
sec-butylbenzene	0.00076 U	mg/Kg	0.0028	0.00076	1	08/07/2023 06:30	08/07/2023 15:12	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343002
Sample ID: SB-3.2

Date Collected: 08/02/2023 13:35
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00066 U	mg/Kg	0.0028	0.00066	1	08/07/2023 06:30	08/07/2023 15:12	M
trans-1,2-Dichloroethylene	0.00044 U	mg/Kg	0.0028	0.00044	1	08/07/2023 06:30	08/07/2023 15:12	M
trans-1,3-Dichloropropylene	0.00036 U	mg/Kg	0.0028	0.00036	1	08/07/2023 06:30	08/07/2023 15:12	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46	49	106	69 - 134	M
Toluene-d8 (S)	ug/Kg	46	47	103	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	46	42	93	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343003	Date Collected: 08/02/2023 13:40			Matrix: Soil				
Sample ID: SB-3.4	Date Received: 08/02/2023 15:54							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	2.0	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0031	0.00041	1	08/07/2023 06:30	08/07/2023 15:39	M
1,1,1-Trichloroethane	0.00054 U	mg/Kg	0.0031	0.00054	1	08/07/2023 06:30	08/07/2023 15:39	M
1,1,2,2-Tetrachloroethane	0.00087 U	mg/Kg	0.0031	0.00087	1	08/07/2023 06:30	08/07/2023 15:39	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/07/2023 06:30	08/07/2023 15:39	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/07/2023 06:30	08/07/2023 15:39	M
1,1-Dichloroethylene	0.00053 U	mg/Kg	0.0031	0.00053	1	08/07/2023 06:30	08/07/2023 15:39	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0031	0.00044	1	08/07/2023 06:30	08/07/2023 15:39	M
1,2,3-Trichlorobenzene	0.00080 U	mg/Kg	0.0031	0.00080	1	08/07/2023 06:30	08/07/2023 15:39	M
1,2,3-Trichloropropane	0.00080 U	mg/Kg	0.0031	0.00080	1	08/07/2023 06:30	08/07/2023 15:39	M
1,2,4-Trichlorobenzene	0.00081 U	mg/Kg	0.0031	0.00081	1	08/07/2023 06:30	08/07/2023 15:39	M
1,2,4-Trimethylbenzene	0.00079 U	mg/Kg	0.0031	0.00079	1	08/07/2023 06:30	08/07/2023 15:39	M
1,2-Dibromo-3-Chloropropane	0.00061 U	mg/Kg	0.0031	0.00061	1	08/07/2023 06:30	08/07/2023 15:39	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 15:39	M
1,2-Dichloroethane	0.00037 U	mg/Kg	0.0031	0.00037	1	08/07/2023 06:30	08/07/2023 15:39	M
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/07/2023 06:30	08/07/2023 15:39	M
1,3,5-Trimethylbenzene	0.00085 U	mg/Kg	0.0031	0.00085	1	08/07/2023 06:30	08/07/2023 15:39	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0031	0.0010	1	08/07/2023 06:30	08/07/2023 15:39	M
1,3-Dichloropropane	0.00050 U	mg/Kg	0.0031	0.00050	1	08/07/2023 06:30	08/07/2023 15:39	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 15:39	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/07/2023 06:30	08/07/2023 15:39	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343003
Sample ID: SB-3.4

Date Collected: 08/02/2023 13:40
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00075 U	mg/Kg	0.0031	0.00075	1	08/07/2023 06:30	08/07/2023 15:39	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0031	0.0015	1	08/07/2023 06:30	08/07/2023 15:39	M
2-Chlorotoluene	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 06:30	08/07/2023 15:39	M
2-Hexanone	0.00058 U	mg/Kg	0.0031	0.00058	1	08/07/2023 06:30	08/07/2023 15:39	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 06:30	08/07/2023 15:39	M
4-Methyl-2-pentanone (MIBK)	0.00083 U	mg/Kg	0.0031	0.00083	1	08/07/2023 06:30	08/07/2023 15:39	M
Acetone	0.0010 U	mg/Kg	0.0031	0.0010	1	08/07/2023 06:30	08/07/2023 15:39	M
Acrolein (Propenal)	0.0079 U	mg/Kg	0.015	0.0079	1	08/07/2023 06:30	08/07/2023 15:39	M
Acrylonitrile	0.0013 U	mg/Kg	0.0031	0.0013	1	08/07/2023 06:30	08/07/2023 15:39	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/07/2023 06:30	08/07/2023 15:39	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/07/2023 06:30	08/07/2023 15:39	M
Bromochloromethane	0.00064 U	mg/Kg	0.0031	0.00064	1	08/07/2023 06:30	08/07/2023 15:39	M
Bromodichloromethane	0.00076 U	mg/Kg	0.0031	0.00076	1	08/07/2023 06:30	08/07/2023 15:39	M
Bromoform	0.00090 U	mg/Kg	0.0031	0.00090	1	08/07/2023 06:30	08/07/2023 15:39	M
Bromomethane	0.0021 U	mg/Kg	0.0031	0.0021	1	08/07/2023 06:30	08/07/2023 15:39	M
Carbon Disulfide	0.00055 U	mg/Kg	0.0031	0.00055	1	08/07/2023 06:30	08/07/2023 15:39	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0031	0.00045	1	08/07/2023 06:30	08/07/2023 15:39	M
Chlorobenzene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/07/2023 06:30	08/07/2023 15:39	M
Chloroethane	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 06:30	08/07/2023 15:39	M
Chloroform	0.00049 U	mg/Kg	0.0031	0.00049	1	08/07/2023 06:30	08/07/2023 15:39	M
Chloromethane	0.00075 U	mg/Kg	0.0031	0.00075	1	08/07/2023 06:30	08/07/2023 15:39	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/07/2023 06:30	08/07/2023 15:39	M
Dibromomethane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/07/2023 06:30	08/07/2023 15:39	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/07/2023 06:30	08/07/2023 15:39	M

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Dates and times are displayed using (-04:00)
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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343003
Sample ID: SB-3.4

Date Collected: 08/02/2023 13:40
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/07/2023 06:30	08/07/2023 15:39	M
Ethylene Dibromide (EDB)	0.00056 U	mg/Kg	0.0031	0.00056	1	08/07/2023 06:30	08/07/2023 15:39	M
Hexachlorobutadiene	0.00075 U	mg/Kg	0.0031	0.00075	1	08/07/2023 06:30	08/07/2023 15:39	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0031	0.0021	1	08/07/2023 06:30	08/07/2023 15:39	M
Isopropylbenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/07/2023 06:30	08/07/2023 15:39	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0031	0.00044	1	08/07/2023 06:30	08/07/2023 15:39	M
Methylene Chloride	0.0012 U	mg/Kg	0.0031	0.0012	1	08/07/2023 06:30	08/07/2023 15:39	M
Naphthalene	0.00068 U	mg/Kg	0.0031	0.00068	1	08/07/2023 06:30	08/07/2023 15:39	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/07/2023 06:30	08/07/2023 15:39	M
Tetrachloroethylene (PCE)	0.00062 U	mg/Kg	0.0031	0.00062	1	08/07/2023 06:30	08/07/2023 15:39	M
Toluene	0.00047 U	mg/Kg	0.0031	0.00047	1	08/07/2023 06:30	08/07/2023 15:39	M
Trichloroethene	0.00059 U	mg/Kg	0.0031	0.00059	1	08/07/2023 06:30	08/07/2023 15:39	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/07/2023 06:30	08/07/2023 15:39	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0031	0.00045	1	08/07/2023 06:30	08/07/2023 15:39	M
Vinyl Chloride	0.00052 U	mg/Kg	0.0031	0.00052	1	08/07/2023 06:30	08/07/2023 15:39	M
Xylene (Total)	0.0011 U	mg/Kg	0.0061	0.0011	1	08/07/2023 06:30	08/07/2023 15:39	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0031	0.00046	1	08/07/2023 06:30	08/07/2023 15:39	M
cis-1,3-Dichloropropene	0.00037 U	mg/Kg	0.0031	0.00037	1	08/07/2023 06:30	08/07/2023 15:39	M
n-Butylbenzene	0.00071 U	mg/Kg	0.0031	0.00071	1	08/07/2023 06:30	08/07/2023 15:39	M
n-propylbenzene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/07/2023 06:30	08/07/2023 15:39	M
sec-butylbenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/07/2023 06:30	08/07/2023 15:39	M
tert-butylbenzene	0.00071 U	mg/Kg	0.0031	0.00071	1	08/07/2023 06:30	08/07/2023 15:39	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343003
Sample ID: SB-3.4

Date Collected: 08/02/2023 13:40
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/07/2023 06:30	08/07/2023 15:39	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/07/2023 06:30	08/07/2023 15:39	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	53	107	69 - 134	M
Toluene-d8 (S)	ug/Kg	50	52	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	50	54	108	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343004
Sample ID: SB-3.6

Date Collected: 08/02/2023 13:45
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	2.3	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00039	U mg/Kg	0.0030	0.00039	1	08/07/2023 06:30	08/07/2023 16:07	M
1,1,1-Trichloroethane	0.00052	U mg/Kg	0.0030	0.00052	1	08/07/2023 06:30	08/07/2023 16:07	M
1,1,2,2-Tetrachloroethane	0.00084	U mg/Kg	0.0030	0.00084	1	08/07/2023 06:30	08/07/2023 16:07	M
1,1,2-Trichloroethane	0.00032	U mg/Kg	0.0030	0.00032	1	08/07/2023 06:30	08/07/2023 16:07	M
1,1-Dichloroethane	0.00040	U mg/Kg	0.0030	0.00040	1	08/07/2023 06:30	08/07/2023 16:07	M
1,1-Dichloroethylene	0.00051	U mg/Kg	0.0030	0.00051	1	08/07/2023 06:30	08/07/2023 16:07	M
1,1-Dichloropropene	0.00042	U mg/Kg	0.0030	0.00042	1	08/07/2023 06:30	08/07/2023 16:07	M
1,2,3-Trichlorobenzene	0.00078	U mg/Kg	0.0030	0.00078	1	08/07/2023 06:30	08/07/2023 16:07	M
1,2,3-Trichloropropane	0.00078	U mg/Kg	0.0030	0.00078	1	08/07/2023 06:30	08/07/2023 16:07	M
1,2,4-Trichlorobenzene	0.00079	U mg/Kg	0.0030	0.00079	1	08/07/2023 06:30	08/07/2023 16:07	M
1,2,4-Trimethylbenzene	0.00077	U mg/Kg	0.0030	0.00077	1	08/07/2023 06:30	08/07/2023 16:07	M
1,2-Dibromo-3-Chloropropane	0.00059	U mg/Kg	0.0030	0.00059	1	08/07/2023 06:30	08/07/2023 16:07	M
1,2-Dichlorobenzene	0.0011	U mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/07/2023 16:07	M
1,2-Dichloroethane	0.00035	U mg/Kg	0.0030	0.00035	1	08/07/2023 06:30	08/07/2023 16:07	M
1,2-Dichloropropane	0.00056	U mg/Kg	0.0030	0.00056	1	08/07/2023 06:30	08/07/2023 16:07	M
1,3,5-Trimethylbenzene	0.00082	U mg/Kg	0.0030	0.00082	1	08/07/2023 06:30	08/07/2023 16:07	M
1,3-Dichlorobenzene	0.0010	U mg/Kg	0.0030	0.0010	1	08/07/2023 06:30	08/07/2023 16:07	M
1,3-Dichloropropane	0.00048	U mg/Kg	0.0030	0.00048	1	08/07/2023 06:30	08/07/2023 16:07	M
1,4-Dichlorobenzene	0.0011	U mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/07/2023 16:07	M
2,2-Dichloropropane	0.00033	U mg/Kg	0.0030	0.00033	1	08/07/2023 06:30	08/07/2023 16:07	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343004
Sample ID: SB-3.6

Date Collected: 08/02/2023 13:45
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00073 U	mg/Kg	0.0030	0.00073	1	08/07/2023 06:30	08/07/2023 16:07	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	1	08/07/2023 06:30	08/07/2023 16:07	M
2-Chlorotoluene	0.00074 U	mg/Kg	0.0030	0.00074	1	08/07/2023 06:30	08/07/2023 16:07	M
2-Hexanone	0.00056 U	mg/Kg	0.0030	0.00056	1	08/07/2023 06:30	08/07/2023 16:07	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/07/2023 16:07	M
4-Methyl-2-pentanone (MIBK)	0.00081 U	mg/Kg	0.0030	0.00081	1	08/07/2023 06:30	08/07/2023 16:07	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	1	08/07/2023 06:30	08/07/2023 16:07	M
Acrolein (Propenal)	0.0077 U	mg/Kg	0.015	0.0077	1	08/07/2023 06:30	08/07/2023 16:07	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	1	08/07/2023 06:30	08/07/2023 16:07	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	1	08/07/2023 06:30	08/07/2023 16:07	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/07/2023 16:07	M
Bromochloromethane	0.00062 U	mg/Kg	0.0030	0.00062	1	08/07/2023 06:30	08/07/2023 16:07	M
Bromodichloromethane	0.00074 U	mg/Kg	0.0030	0.00074	1	08/07/2023 06:30	08/07/2023 16:07	M
Bromoform	0.00087 U	mg/Kg	0.0030	0.00087	1	08/07/2023 06:30	08/07/2023 16:07	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	1	08/07/2023 06:30	08/07/2023 16:07	M
Carbon Disulfide	0.00053 U	mg/Kg	0.0030	0.00053	1	08/07/2023 06:30	08/07/2023 16:07	M
Carbon Tetrachloride	0.00043 U	mg/Kg	0.0030	0.00043	1	08/07/2023 06:30	08/07/2023 16:07	M
Chlorobenzene	0.00036 U	mg/Kg	0.0030	0.00036	1	08/07/2023 06:30	08/07/2023 16:07	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	1	08/07/2023 06:30	08/07/2023 16:07	M
Chloroform	0.00047 U	mg/Kg	0.0030	0.00047	1	08/07/2023 06:30	08/07/2023 16:07	M
Chloromethane	0.00073 U	mg/Kg	0.0030	0.00073	1	08/07/2023 06:30	08/07/2023 16:07	M
Dibromochloromethane	0.00041 U	mg/Kg	0.0030	0.00041	1	08/07/2023 06:30	08/07/2023 16:07	M
Dibromomethane	0.00056 U	mg/Kg	0.0030	0.00056	1	08/07/2023 06:30	08/07/2023 16:07	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343004
Sample ID: SB-3.6

Date Collected: 08/02/2023 13:45
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00097 U	mg/Kg	0.0030	0.00097	1	08/07/2023 06:30	08/07/2023 16:07	M
Ethylbenzene	0.00037 U	mg/Kg	0.0030	0.00037	1	08/07/2023 06:30	08/07/2023 16:07	M
Ethylene Dibromide (EDB)	0.00054 U	mg/Kg	0.0030	0.00054	1	08/07/2023 06:30	08/07/2023 16:07	M
Hexachlorobutadiene	0.00073 U	mg/Kg	0.0030	0.00073	1	08/07/2023 06:30	08/07/2023 16:07	M
Iodomethane (Methyl Iodide)	0.0020 U	mg/Kg	0.0030	0.0020	1	08/07/2023 06:30	08/07/2023 16:07	M
Isopropylbenzene	0.00067 U	mg/Kg	0.0030	0.00067	1	08/07/2023 06:30	08/07/2023 16:07	M
Methyl tert-butyl Ether (MTBE)	0.00042 U	mg/Kg	0.0030	0.00042	1	08/07/2023 06:30	08/07/2023 16:07	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	1	08/07/2023 06:30	08/07/2023 16:07	M
Naphthalene	0.00066 U	mg/Kg	0.0030	0.00066	1	08/07/2023 06:30	08/07/2023 16:07	M
Styrene	0.00032 U	mg/Kg	0.0030	0.00032	1	08/07/2023 06:30	08/07/2023 16:07	M
Tetrachloroethylene (PCE)	0.00060 U	mg/Kg	0.0030	0.00060	1	08/07/2023 06:30	08/07/2023 16:07	M
Toluene	0.00045 U	mg/Kg	0.0030	0.00045	1	08/07/2023 06:30	08/07/2023 16:07	M
Trichloroethene	0.00057 U	mg/Kg	0.0030	0.00057	1	08/07/2023 06:30	08/07/2023 16:07	M
Trichlorofluoromethane	0.00040 U	mg/Kg	0.0030	0.00040	1	08/07/2023 06:30	08/07/2023 16:07	M
Vinyl Acetate	0.00043 U	mg/Kg	0.0030	0.00043	1	08/07/2023 06:30	08/07/2023 16:07	M
Vinyl Chloride	0.00050 U	mg/Kg	0.0030	0.00050	1	08/07/2023 06:30	08/07/2023 16:07	M
Xylene (Total)	0.0011 U	mg/Kg	0.0059	0.0011	1	08/07/2023 06:30	08/07/2023 16:07	M
cis-1,2-Dichloroethylene	0.00044 U	mg/Kg	0.0030	0.00044	1	08/07/2023 06:30	08/07/2023 16:07	M
cis-1,3-Dichloropropene	0.00035 U	mg/Kg	0.0030	0.00035	1	08/07/2023 06:30	08/07/2023 16:07	M
n-Butylbenzene	0.00069 U	mg/Kg	0.0030	0.00069	1	08/07/2023 06:30	08/07/2023 16:07	M
n-propylbenzene	0.00075 U	mg/Kg	0.0030	0.00075	1	08/07/2023 06:30	08/07/2023 16:07	M
sec-butylbenzene	0.00080 U	mg/Kg	0.0030	0.00080	1	08/07/2023 06:30	08/07/2023 16:07	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343004
Sample ID: SB-3.6

Date Collected: 08/02/2023 13:45
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00069 U	mg/Kg	0.0030	0.00069	1	08/07/2023 06:30	08/07/2023 16:07	M
trans-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0030	0.00046	1	08/07/2023 06:30	08/07/2023 16:07	M
trans-1,3-Dichloropropylene	0.00037 U	mg/Kg	0.0030	0.00037	1	08/07/2023 06:30	08/07/2023 16:07	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	48	54	111	69 - 134	M
Toluene-d8 (S)	ug/Kg	48	50	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	48	52	107	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343005
Sample ID: SB-4.05

Date Collected: 08/02/2023 12:20
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.3	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00044	U mg/Kg	0.0033	0.00044	1	08/09/2023 06:30	08/09/2023 15:06	M
1,1,1-Trichloroethane	0.00059	U mg/Kg	0.0033	0.00059	1	08/09/2023 06:30	08/09/2023 15:06	M
1,1,2,2-Tetrachloroethane	0.00094	U mg/Kg	0.0033	0.00094	1	08/09/2023 06:30	08/09/2023 15:06	M
1,1,2-Trichloroethane	0.00035	U mg/Kg	0.0033	0.00035	1	08/09/2023 06:30	08/09/2023 15:06	M
1,1-Dichloroethane	0.00045	U mg/Kg	0.0033	0.00045	1	08/09/2023 06:30	08/09/2023 15:06	M
1,1-Dichloroethylene	0.00058	U mg/Kg	0.0033	0.00058	1	08/09/2023 06:30	08/09/2023 15:06	M
1,1-Dichloropropene	0.00048	U mg/Kg	0.0033	0.00048	1	08/09/2023 06:30	08/09/2023 15:06	M
1,2,3-Trichlorobenzene	0.00087	U mg/Kg	0.0033	0.00087	1	08/09/2023 06:30	08/09/2023 15:06	M
1,2,3-Trichloropropane	0.00087	U mg/Kg	0.0033	0.00087	1	08/09/2023 06:30	08/09/2023 15:06	M
1,2,4-Trichlorobenzene	0.00089	U mg/Kg	0.0033	0.00089	1	08/09/2023 06:30	08/09/2023 15:06	M
1,2,4-Trimethylbenzene	0.00086	U mg/Kg	0.0033	0.00086	1	08/09/2023 06:30	08/09/2023 15:06	M
1,2-Dibromo-3-Chloropropane	0.00066	U mg/Kg	0.0033	0.00066	1	08/09/2023 06:30	08/09/2023 15:06	M
1,2-Dichlorobenzene	0.0012	U mg/Kg	0.0033	0.0012	1	08/09/2023 06:30	08/09/2023 15:06	M
1,2-Dichloroethane	0.00040	U mg/Kg	0.0033	0.00040	1	08/09/2023 06:30	08/09/2023 15:06	M
1,2-Dichloropropane	0.00063	U mg/Kg	0.0033	0.00063	1	08/09/2023 06:30	08/09/2023 15:06	M
1,3,5-Trimethylbenzene	0.00092	U mg/Kg	0.0033	0.00092	1	08/09/2023 06:30	08/09/2023 15:06	M
1,3-Dichlorobenzene	0.0011	U mg/Kg	0.0033	0.0011	1	08/09/2023 06:30	08/09/2023 15:06	M
1,3-Dichloropropane	0.00054	U mg/Kg	0.0033	0.00054	1	08/09/2023 06:30	08/09/2023 15:06	M
1,4-Dichlorobenzene	0.0012	U mg/Kg	0.0033	0.0012	1	08/09/2023 06:30	08/09/2023 15:06	M
2,2-Dichloropropane	0.00037	U mg/Kg	0.0033	0.00037	1	08/09/2023 06:30	08/09/2023 15:06	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343005	Date Collected: 08/02/2023 12:20				Matrix: Soil			
Sample ID: SB-4.05	Date Received: 08/02/2023 15:54							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00082 U	mg/Kg	0.0033	0.00082	1	08/09/2023 06:30	08/09/2023 15:06	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0033	0.0016	1	08/09/2023 06:30	08/09/2023 15:06	M
2-Chlorotoluene	0.00083 U	mg/Kg	0.0033	0.00083	1	08/09/2023 06:30	08/09/2023 15:06	M
2-Hexanone	0.00063 U	mg/Kg	0.0033	0.00063	1	08/09/2023 06:30	08/09/2023 15:06	M
4-Chlorotoluene	0.0013 U	mg/Kg	0.0033	0.0013	1	08/09/2023 06:30	08/09/2023 15:06	M
4-Methyl-2-pentanone (MIBK)	0.00091 U	mg/Kg	0.0033	0.00091	1	08/09/2023 06:30	08/09/2023 15:06	M
Acetone	0.0011 U	mg/Kg	0.0033	0.0011	1	08/09/2023 06:30	08/09/2023 15:06	M
Acrolein (Propenal)	0.0086 U	mg/Kg	0.017	0.0086	1	08/09/2023 06:30	08/09/2023 15:06	M
Acrylonitrile	0.0014 U	mg/Kg	0.0033	0.0014	1	08/09/2023 06:30	08/09/2023 15:06	M
Benzene	0.00033 U	mg/Kg	0.0033	0.00033	1	08/09/2023 06:30	08/09/2023 15:06	M
Bromobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/09/2023 06:30	08/09/2023 15:06	M
Bromochloromethane	0.00070 U	mg/Kg	0.0033	0.00070	1	08/09/2023 06:30	08/09/2023 15:06	M
Bromodichloromethane	0.00083 U	mg/Kg	0.0033	0.00083	1	08/09/2023 06:30	08/09/2023 15:06	M
Bromoform	0.00097 U	mg/Kg	0.0033	0.00097	1	08/09/2023 06:30	08/09/2023 15:06	M
Bromomethane	0.0023 U	mg/Kg	0.0033	0.0023	1	08/09/2023 06:30	08/09/2023 15:06	M
Carbon Disulfide	0.00060 U	mg/Kg	0.0033	0.00060	1	08/09/2023 06:30	08/09/2023 15:06	M
Carbon Tetrachloride	0.00049 U	mg/Kg	0.0033	0.00049	1	08/09/2023 06:30	08/09/2023 15:06	M
Chlorobenzene	0.00041 U	mg/Kg	0.0033	0.00041	1	08/09/2023 06:30	08/09/2023 15:06	M
Chloroethane	0.0013 U	mg/Kg	0.0033	0.0013	1	08/09/2023 06:30	08/09/2023 15:06	M
Chloroform	0.00053 U	mg/Kg	0.0033	0.00053	1	08/09/2023 06:30	08/09/2023 15:06	M
Chloromethane	0.00082 U	mg/Kg	0.0033	0.00082	1	08/09/2023 06:30	08/09/2023 15:06	M
Dibromochloromethane	0.00046 U	mg/Kg	0.0033	0.00046	1	08/09/2023 06:30	08/09/2023 15:06	M
Dibromomethane	0.00063 U	mg/Kg	0.0033	0.00063	1	08/09/2023 06:30	08/09/2023 15:06	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0033	0.0011	1	08/09/2023 06:30	08/09/2023 15:06	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343005
Sample ID: SB-4.05

Date Collected: 08/02/2023 12:20
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00042 U	mg/Kg	0.0033	0.0004 2	1	08/09/2023 06:30	08/09/2023 15:06	M
Ethylene Dibromide (EDB)	0.00061 U	mg/Kg	0.0033	0.0006 1	1	08/09/2023 06:30	08/09/2023 15:06	M
Hexachlorobutadiene	0.00082 U	mg/Kg	0.0033	0.0008 2	1	08/09/2023 06:30	08/09/2023 15:06	M
Iodomethane (Methyl Iodide)	0.0023 U	mg/Kg	0.0033	0.0023	1	08/09/2023 06:30	08/09/2023 15:06	M
Isopropylbenzene	0.00075 U	mg/Kg	0.0033	0.0007 5	1	08/09/2023 06:30	08/09/2023 15:06	M
Methyl tert-butyl Ether (MTBE)	0.00048 U	mg/Kg	0.0033	0.0004 8	1	08/09/2023 06:30	08/09/2023 15:06	M
Methylene Chloride	0.0013 U	mg/Kg	0.0033	0.0013	1	08/09/2023 06:30	08/09/2023 15:06	M
Naphthalene	0.00074 U	mg/Kg	0.0033	0.0007 4	1	08/09/2023 06:30	08/09/2023 15:06	M
Styrene	0.00035 U	mg/Kg	0.0033	0.0003 5	1	08/09/2023 06:30	08/09/2023 15:06	M
Tetrachloroethylene (PCE)	0.00068 U	mg/Kg	0.0033	0.0006 8	1	08/09/2023 06:30	08/09/2023 15:06	M
Toluene	0.00051 U	mg/Kg	0.0033	0.0005 1	1	08/09/2023 06:30	08/09/2023 15:06	M
Trichloroethene	0.00064 U	mg/Kg	0.0033	0.0006 4	1	08/09/2023 06:30	08/09/2023 15:06	M
Trichlorofluoromethane	0.00045 U	mg/Kg	0.0033	0.0004 5	1	08/09/2023 06:30	08/09/2023 15:06	M
Vinyl Acetate	0.00049 U	mg/Kg	0.0033	0.0004 9	1	08/09/2023 06:30	08/09/2023 15:06	M
Vinyl Chloride	0.00056 U	mg/Kg	0.0033	0.0005 6	1	08/09/2023 06:30	08/09/2023 15:06	M
Xylene (Total)	0.0012 U	mg/Kg	0.0066	0.0012	1	08/09/2023 06:30	08/09/2023 15:06	M
cis-1,2-Dichloroethylene	0.00050 U	mg/Kg	0.0033	0.0005 0	1	08/09/2023 06:30	08/09/2023 15:06	M
cis-1,3-Dichloropropene	0.00040 U	mg/Kg	0.0033	0.0004 0	1	08/09/2023 06:30	08/09/2023 15:06	M
n-Butylbenzene	0.00077 U	mg/Kg	0.0033	0.0007 7	1	08/09/2023 06:30	08/09/2023 15:06	M
n-propylbenzene	0.00084 U	mg/Kg	0.0033	0.0008 4	1	08/09/2023 06:30	08/09/2023 15:06	M
sec-butylbenzene	0.00090 U	mg/Kg	0.0033	0.0009 0	1	08/09/2023 06:30	08/09/2023 15:06	M
tert-butylbenzene	0.00077 U	mg/Kg	0.0033	0.0007 7	1	08/09/2023 06:30	08/09/2023 15:06	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343005
Sample ID: SB-4.05

Date Collected: 08/02/2023 12:20
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00052 U	mg/Kg	0.0033	0.00052	1	08/09/2023 06:30	08/09/2023 15:06	M
trans-1,3-Dichloropropylene	0.00042 U	mg/Kg	0.0033	0.00042	1	08/09/2023 06:30	08/09/2023 15:06	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	54	59	110	69 - 134	M
Toluene-d8 (S)	ug/Kg	54	56	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	54	60	112	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID:	M2304343006	Date Collected:	08/02/2023 12:30			Matrix:	Soil	
Sample ID:	SB-4.2	Date Received:	08/02/2023 15:54					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.1	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00044 U	mg/Kg	0.0033	0.00044	1	08/09/2023 06:30	08/09/2023 15:33	M
1,1,1-Trichloroethane	0.00059 U	mg/Kg	0.0033	0.00059	1	08/09/2023 06:30	08/09/2023 15:33	M
1,1,2,2-Tetrachloroethane	0.00094 U	mg/Kg	0.0033	0.00094	1	08/09/2023 06:30	08/09/2023 15:33	M
1,1,2-Trichloroethane	0.00035 U	mg/Kg	0.0033	0.00035	1	08/09/2023 06:30	08/09/2023 15:33	M
1,1-Dichloroethane	0.00045 U	mg/Kg	0.0033	0.00045	1	08/09/2023 06:30	08/09/2023 15:33	M
1,1-Dichloroethylene	0.00058 U	mg/Kg	0.0033	0.00058	1	08/09/2023 06:30	08/09/2023 15:33	M
1,1-Dichloropropene	0.00048 U	mg/Kg	0.0033	0.00048	1	08/09/2023 06:30	08/09/2023 15:33	M
1,2,3-Trichlorobenzene	0.00087 U	mg/Kg	0.0033	0.00087	1	08/09/2023 06:30	08/09/2023 15:33	M
1,2,3-Trichloropropane	0.00087 U	mg/Kg	0.0033	0.00087	1	08/09/2023 06:30	08/09/2023 15:33	M
1,2,4-Trichlorobenzene	0.00089 U	mg/Kg	0.0033	0.00089	1	08/09/2023 06:30	08/09/2023 15:33	M
1,2,4-Trimethylbenzene	0.00086 U	mg/Kg	0.0033	0.00086	1	08/09/2023 06:30	08/09/2023 15:33	M
1,2-Dibromo-3-Chloropropane	0.00066 U	mg/Kg	0.0033	0.00066	1	08/09/2023 06:30	08/09/2023 15:33	M
1,2-Dichlorobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/09/2023 06:30	08/09/2023 15:33	M
1,2-Dichloroethane	0.00040 U	mg/Kg	0.0033	0.00040	1	08/09/2023 06:30	08/09/2023 15:33	M
1,2-Dichloropropane	0.00063 U	mg/Kg	0.0033	0.00063	1	08/09/2023 06:30	08/09/2023 15:33	M
1,3,5-Trimethylbenzene	0.00092 U	mg/Kg	0.0033	0.00092	1	08/09/2023 06:30	08/09/2023 15:33	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0033	0.0011	1	08/09/2023 06:30	08/09/2023 15:33	M
1,3-Dichloropropane	0.00054 U	mg/Kg	0.0033	0.00054	1	08/09/2023 06:30	08/09/2023 15:33	M
1,4-Dichlorobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/09/2023 06:30	08/09/2023 15:33	M
2,2-Dichloropropane	0.00037 U	mg/Kg	0.0033	0.00037	1	08/09/2023 06:30	08/09/2023 15:33	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343006
Sample ID: SB-4.2

Date Collected: 08/02/2023 12:30
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00082 U	mg/Kg	0.0033	0.00082	1	08/09/2023 06:30	08/09/2023 15:33	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0033	0.0016	1	08/09/2023 06:30	08/09/2023 15:33	M
2-Chlorotoluene	0.00083 U	mg/Kg	0.0033	0.00083	1	08/09/2023 06:30	08/09/2023 15:33	M
2-Hexanone	0.00063 U	mg/Kg	0.0033	0.00063	1	08/09/2023 06:30	08/09/2023 15:33	M
4-Chlorotoluene	0.0013 U	mg/Kg	0.0033	0.0013	1	08/09/2023 06:30	08/09/2023 15:33	M
4-Methyl-2-pentanone (MIBK)	0.00091 U	mg/Kg	0.0033	0.00091	1	08/09/2023 06:30	08/09/2023 15:33	M
Acetone	0.0011 U	mg/Kg	0.0033	0.0011	1	08/09/2023 06:30	08/09/2023 15:33	M
Acrolein (Propenal)	0.0086 U	mg/Kg	0.017	0.0086	1	08/09/2023 06:30	08/09/2023 15:33	M
Acrylonitrile	0.0014 U	mg/Kg	0.0033	0.0014	1	08/09/2023 06:30	08/09/2023 15:33	M
Benzene	0.00033 U	mg/Kg	0.0033	0.00033	1	08/09/2023 06:30	08/09/2023 15:33	M
Bromobenzene	0.0012 U	mg/Kg	0.0033	0.0012	1	08/09/2023 06:30	08/09/2023 15:33	M
Bromochloromethane	0.00070 U	mg/Kg	0.0033	0.00070	1	08/09/2023 06:30	08/09/2023 15:33	M
Bromodichloromethane	0.00083 U	mg/Kg	0.0033	0.00083	1	08/09/2023 06:30	08/09/2023 15:33	M
Bromoform	0.00097 U	mg/Kg	0.0033	0.00097	1	08/09/2023 06:30	08/09/2023 15:33	M
Bromomethane	0.0023 U	mg/Kg	0.0033	0.0023	1	08/09/2023 06:30	08/09/2023 15:33	M
Carbon Disulfide	0.00060 U	mg/Kg	0.0033	0.00060	1	08/09/2023 06:30	08/09/2023 15:33	M
Carbon Tetrachloride	0.00049 U	mg/Kg	0.0033	0.00049	1	08/09/2023 06:30	08/09/2023 15:33	M
Chlorobenzene	0.00041 U	mg/Kg	0.0033	0.00041	1	08/09/2023 06:30	08/09/2023 15:33	M
Chloroethane	0.0013 U	mg/Kg	0.0033	0.0013	1	08/09/2023 06:30	08/09/2023 15:33	M
Chloroform	0.00053 U	mg/Kg	0.0033	0.00053	1	08/09/2023 06:30	08/09/2023 15:33	M
Chloromethane	0.00082 U	mg/Kg	0.0033	0.00082	1	08/09/2023 06:30	08/09/2023 15:33	M
Dibromochloromethane	0.00046 U	mg/Kg	0.0033	0.00046	1	08/09/2023 06:30	08/09/2023 15:33	M
Dibromomethane	0.00063 U	mg/Kg	0.0033	0.00063	1	08/09/2023 06:30	08/09/2023 15:33	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0033	0.0011	1	08/09/2023 06:30	08/09/2023 15:33	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343006
Sample ID: SB-4.2

Date Collected: 08/02/2023 12:30
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00042 U	mg/Kg	0.0033	0.00042	1	08/09/2023 06:30	08/09/2023 15:33	M
Ethylene Dibromide (EDB)	0.00061 U	mg/Kg	0.0033	0.00061	1	08/09/2023 06:30	08/09/2023 15:33	M
Hexachlorobutadiene	0.00082 U	mg/Kg	0.0033	0.00082	1	08/09/2023 06:30	08/09/2023 15:33	M
Iodomethane (Methyl Iodide)	0.0023 U	mg/Kg	0.0033	0.0023	1	08/09/2023 06:30	08/09/2023 15:33	M
Isopropylbenzene	0.00075 U	mg/Kg	0.0033	0.00075	1	08/09/2023 06:30	08/09/2023 15:33	M
Methyl tert-butyl Ether (MTBE)	0.00048 U	mg/Kg	0.0033	0.00048	1	08/09/2023 06:30	08/09/2023 15:33	M
Methylene Chloride	0.0013 U	mg/Kg	0.0033	0.0013	1	08/09/2023 06:30	08/09/2023 15:33	M
Naphthalene	0.00074 U	mg/Kg	0.0033	0.00074	1	08/09/2023 06:30	08/09/2023 15:33	M
Styrene	0.00035 U	mg/Kg	0.0033	0.00035	1	08/09/2023 06:30	08/09/2023 15:33	M
Tetrachloroethylene (PCE)	0.00068 U	mg/Kg	0.0033	0.00068	1	08/09/2023 06:30	08/09/2023 15:33	M
Toluene	0.00051 U	mg/Kg	0.0033	0.00051	1	08/09/2023 06:30	08/09/2023 15:33	M
Trichloroethene	0.00064 U	mg/Kg	0.0033	0.00064	1	08/09/2023 06:30	08/09/2023 15:33	M
Trichlorofluoromethane	0.00045 U	mg/Kg	0.0033	0.00045	1	08/09/2023 06:30	08/09/2023 15:33	M
Vinyl Acetate	0.00049 U	mg/Kg	0.0033	0.00049	1	08/09/2023 06:30	08/09/2023 15:33	M
Vinyl Chloride	0.00056 U	mg/Kg	0.0033	0.00056	1	08/09/2023 06:30	08/09/2023 15:33	M
Xylene (Total)	0.0012 U	mg/Kg	0.0066	0.0012	1	08/09/2023 06:30	08/09/2023 15:33	M
cis-1,2-Dichloroethylene	0.00050 U	mg/Kg	0.0033	0.00050	1	08/09/2023 06:30	08/09/2023 15:33	M
cis-1,3-Dichloropropene	0.00040 U	mg/Kg	0.0033	0.00040	1	08/09/2023 06:30	08/09/2023 15:33	M
n-Butylbenzene	0.00077 U	mg/Kg	0.0033	0.00077	1	08/09/2023 06:30	08/09/2023 15:33	M
n-propylbenzene	0.00084 U	mg/Kg	0.0033	0.00084	1	08/09/2023 06:30	08/09/2023 15:33	M
sec-butylbenzene	0.00090 U	mg/Kg	0.0033	0.00090	1	08/09/2023 06:30	08/09/2023 15:33	M
tert-butylbenzene	0.00077 U	mg/Kg	0.0033	0.00077	1	08/09/2023 06:30	08/09/2023 15:33	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343006
Sample ID: SB-4.2

Date Collected: 08/02/2023 12:30
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00052 U	mg/Kg	0.0033	0.00052	1	08/09/2023 06:30	08/09/2023 15:33	M
trans-1,3-Dichloropropylene	0.00042 U	mg/Kg	0.0033	0.00042	1	08/09/2023 06:30	08/09/2023 15:33	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	54	60	112	69 - 134	M
Toluene-d8 (S)	ug/Kg	54	56	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	54	62	115	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343007	Date Collected: 08/02/2023 12:40			Matrix: Soil				
Sample ID: SB-4.4	Date Received: 08/02/2023 15:54							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	4.1	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00039 U	mg/Kg	0.0029	0.00039	1	08/09/2023 06:30	08/09/2023 16:01	M
1,1,1-Trichloroethane	0.00051 U	mg/Kg	0.0029	0.00051	1	08/09/2023 06:30	08/09/2023 16:01	M
1,1,2,2-Tetrachloroethane	0.00082 U	mg/Kg	0.0029	0.00082	1	08/09/2023 06:30	08/09/2023 16:01	M
1,1,2-Trichloroethane	0.00031 U	mg/Kg	0.0029	0.00031	1	08/09/2023 06:30	08/09/2023 16:01	M
1,1-Dichloroethane	0.00040 U	mg/Kg	0.0029	0.00040	1	08/09/2023 06:30	08/09/2023 16:01	M
1,1-Dichloroethylene	0.00050 U	mg/Kg	0.0029	0.00050	1	08/09/2023 06:30	08/09/2023 16:01	M
1,1-Dichloropropene	0.00041 U	mg/Kg	0.0029	0.00041	1	08/09/2023 06:30	08/09/2023 16:01	M
1,2,3-Trichlorobenzene	0.00076 U	mg/Kg	0.0029	0.00076	1	08/09/2023 06:30	08/09/2023 16:01	M
1,2,3-Trichloropropane	0.00076 U	mg/Kg	0.0029	0.00076	1	08/09/2023 06:30	08/09/2023 16:01	M
1,2,4-Trichlorobenzene	0.00077 U	mg/Kg	0.0029	0.00077	1	08/09/2023 06:30	08/09/2023 16:01	M
1,2,4-Trimethylbenzene	0.00075 U	mg/Kg	0.0029	0.00075	1	08/09/2023 06:30	08/09/2023 16:01	M
1,2-Dibromo-3-Chloropropane	0.00058 U	mg/Kg	0.0029	0.00058	1	08/09/2023 06:30	08/09/2023 16:01	M
1,2-Dichlorobenzene	0.0010 U	mg/Kg	0.0029	0.0010	1	08/09/2023 06:30	08/09/2023 16:01	M
1,2-Dichloroethane	0.00035 U	mg/Kg	0.0029	0.00035	1	08/09/2023 06:30	08/09/2023 16:01	M
1,2-Dichloropropane	0.00055 U	mg/Kg	0.0029	0.00055	1	08/09/2023 06:30	08/09/2023 16:01	M
1,3,5-Trimethylbenzene	0.00080 U	mg/Kg	0.0029	0.00080	1	08/09/2023 06:30	08/09/2023 16:01	M
1,3-Dichlorobenzene	0.00099 U	mg/Kg	0.0029	0.00099	1	08/09/2023 06:30	08/09/2023 16:01	M
1,3-Dichloropropane	0.00047 U	mg/Kg	0.0029	0.00047	1	08/09/2023 06:30	08/09/2023 16:01	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/09/2023 06:30	08/09/2023 16:01	M
2,2-Dichloropropane	0.00032 U	mg/Kg	0.0029	0.00032	1	08/09/2023 06:30	08/09/2023 16:01	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343007
Sample ID: SB-4.4

Date Collected: 08/02/2023 12:40
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00071 U	mg/Kg	0.0029	0.00071	1	08/09/2023 06:30	08/09/2023 16:01	M
2-Chloroethyl Vinyl Ether	0.0014 U	mg/Kg	0.0029	0.0014	1	08/09/2023 06:30	08/09/2023 16:01	M
2-Chlorotoluene	0.00072 U	mg/Kg	0.0029	0.00072	1	08/09/2023 06:30	08/09/2023 16:01	M
2-Hexanone	0.00055 U	mg/Kg	0.0029	0.00055	1	08/09/2023 06:30	08/09/2023 16:01	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/09/2023 06:30	08/09/2023 16:01	M
4-Methyl-2-pentanone (MIBK)	0.00079 U	mg/Kg	0.0029	0.00079	1	08/09/2023 06:30	08/09/2023 16:01	M
Acetone	0.00099 U	mg/Kg	0.0029	0.00099	1	08/09/2023 06:30	08/09/2023 16:01	M
Acrolein (Propenal)	0.0075 U	mg/Kg	0.014	0.0075	1	08/09/2023 06:30	08/09/2023 16:01	M
Acrylonitrile	0.0013 U	mg/Kg	0.0029	0.0013	1	08/09/2023 06:30	08/09/2023 16:01	M
Benzene	0.00029 U	mg/Kg	0.0029	0.00029	1	08/09/2023 06:30	08/09/2023 16:01	M
Bromobenzene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/09/2023 06:30	08/09/2023 16:01	M
Bromochloromethane	0.00061 U	mg/Kg	0.0029	0.00061	1	08/09/2023 06:30	08/09/2023 16:01	M
Bromodichloromethane	0.00072 U	mg/Kg	0.0029	0.00072	1	08/09/2023 06:30	08/09/2023 16:01	M
Bromoform	0.00085 U	mg/Kg	0.0029	0.00085	1	08/09/2023 06:30	08/09/2023 16:01	M
Bromomethane	0.0020 U	mg/Kg	0.0029	0.0020	1	08/09/2023 06:30	08/09/2023 16:01	M
Carbon Disulfide	0.00052 U	mg/Kg	0.0029	0.00052	1	08/09/2023 06:30	08/09/2023 16:01	M
Carbon Tetrachloride	0.00042 U	mg/Kg	0.0029	0.00042	1	08/09/2023 06:30	08/09/2023 16:01	M
Chlorobenzene	0.00036 U	mg/Kg	0.0029	0.00036	1	08/09/2023 06:30	08/09/2023 16:01	M
Chloroethane	0.0011 U	mg/Kg	0.0029	0.0011	1	08/09/2023 06:30	08/09/2023 16:01	M
Chloroform	0.00046 U	mg/Kg	0.0029	0.00046	1	08/09/2023 06:30	08/09/2023 16:01	M
Chloromethane	0.00071 U	mg/Kg	0.0029	0.00071	1	08/09/2023 06:30	08/09/2023 16:01	M
Dibromochloromethane	0.00040 U	mg/Kg	0.0029	0.00040	1	08/09/2023 06:30	08/09/2023 16:01	M
Dibromomethane	0.00055 U	mg/Kg	0.0029	0.00055	1	08/09/2023 06:30	08/09/2023 16:01	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343007
Sample ID: SB-4.4

Date Collected: 08/02/2023 12:40
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00095 U	mg/Kg	0.0029	0.00095	1	08/09/2023 06:30	08/09/2023 16:01	M
Ethylbenzene	0.00037 I	mg/Kg	0.0029	0.00037	1	08/09/2023 06:30	08/09/2023 16:01	M
Ethylene Dibromide (EDB)	0.00053 U	mg/Kg	0.0029	0.00053	1	08/09/2023 06:30	08/09/2023 16:01	M
Hexachlorobutadiene	0.00071 U	mg/Kg	0.0029	0.00071	1	08/09/2023 06:30	08/09/2023 16:01	M
Iodomethane (Methyl Iodide)	0.0020 U	mg/Kg	0.0029	0.0020	1	08/09/2023 06:30	08/09/2023 16:01	M
Isopropylbenzene	0.00065 U	mg/Kg	0.0029	0.00065	1	08/09/2023 06:30	08/09/2023 16:01	M
Methyl tert-butyl Ether (MTBE)	0.00041 U	mg/Kg	0.0029	0.00041	1	08/09/2023 06:30	08/09/2023 16:01	M
Methylene Chloride	0.0012 U	mg/Kg	0.0029	0.0012	1	08/09/2023 06:30	08/09/2023 16:01	M
Naphthalene	0.00065 U	mg/Kg	0.0029	0.00065	1	08/09/2023 06:30	08/09/2023 16:01	M
Styrene	0.00031 U	mg/Kg	0.0029	0.00031	1	08/09/2023 06:30	08/09/2023 16:01	M
Tetrachloroethylene (PCE)	0.00059 U	mg/Kg	0.0029	0.00059	1	08/09/2023 06:30	08/09/2023 16:01	M
Toluene	0.0012 I	mg/Kg	0.0029	0.00044	1	08/09/2023 06:30	08/09/2023 16:01	M
Trichloroethene	0.00056 U	mg/Kg	0.0029	0.00056	1	08/09/2023 06:30	08/09/2023 16:01	M
Trichlorofluoromethane	0.00040 U	mg/Kg	0.0029	0.00040	1	08/09/2023 06:30	08/09/2023 16:01	M
Vinyl Acetate	0.00042 U	mg/Kg	0.0029	0.00042	1	08/09/2023 06:30	08/09/2023 16:01	M
Vinyl Chloride	0.00049 U	mg/Kg	0.0029	0.00049	1	08/09/2023 06:30	08/09/2023 16:01	M
Xylene (Total)	0.0015 I	mg/Kg	0.0058	0.0011	1	08/09/2023 06:30	08/09/2023 16:01	M
cis-1,2-Dichloroethylene	0.00043 U	mg/Kg	0.0029	0.00043	1	08/09/2023 06:30	08/09/2023 16:01	M
cis-1,3-Dichloropropene	0.00035 U	mg/Kg	0.0029	0.00035	1	08/09/2023 06:30	08/09/2023 16:01	M
n-Butylbenzene	0.00067 U	mg/Kg	0.0029	0.00067	1	08/09/2023 06:30	08/09/2023 16:01	M
n-propylbenzene	0.00073 U	mg/Kg	0.0029	0.00073	1	08/09/2023 06:30	08/09/2023 16:01	M
sec-butylbenzene	0.00078 U	mg/Kg	0.0029	0.00078	1	08/09/2023 06:30	08/09/2023 16:01	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343007
Sample ID: SB-4.4

Date Collected: 08/02/2023 12:40
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00067 U	mg/Kg	0.0029	0.00067	1	08/09/2023 06:30	08/09/2023 16:01	M
trans-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0029	0.00045	1	08/09/2023 06:30	08/09/2023 16:01	M
trans-1,3-Dichloropropylene	0.00037 U	mg/Kg	0.0029	0.00037	1	08/09/2023 06:30	08/09/2023 16:01	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46	53	114	69 - 134	M
Toluene-d8 (S)	ug/Kg	46	48	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	46	52	113	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343008	Date Collected: 08/02/2023 12:50			Matrix: Soil				
Sample ID: SB-4.6	Date Received: 08/02/2023 15:54							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	5.7	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00043 U	mg/Kg	0.0032	0.00043	1	08/09/2023 06:30	08/09/2023 16:28	M
1,1,1-Trichloroethane	0.00057 U	mg/Kg	0.0032	0.00057	1	08/09/2023 06:30	08/09/2023 16:28	M
1,1,2,2-Tetrachloroethane	0.00092 U	mg/Kg	0.0032	0.00092	1	08/09/2023 06:30	08/09/2023 16:28	M
1,1,2-Trichloroethane	0.00035 U	mg/Kg	0.0032	0.00035	1	08/09/2023 06:30	08/09/2023 16:28	M
1,1-Dichloroethane	0.00044 U	mg/Kg	0.0032	0.00044	1	08/09/2023 06:30	08/09/2023 16:28	M
1,1-Dichloroethylene	0.00056 U	mg/Kg	0.0032	0.00056	1	08/09/2023 06:30	08/09/2023 16:28	M
1,1-Dichloropropene	0.00047 U	mg/Kg	0.0032	0.00047	1	08/09/2023 06:30	08/09/2023 16:28	M
1,2,3-Trichlorobenzene	0.00085 U	mg/Kg	0.0032	0.00085	1	08/09/2023 06:30	08/09/2023 16:28	M
1,2,3-Trichloropropane	0.00085 U	mg/Kg	0.0032	0.00085	1	08/09/2023 06:30	08/09/2023 16:28	M
1,2,4-Trichlorobenzene	0.00087 U	mg/Kg	0.0032	0.00087	1	08/09/2023 06:30	08/09/2023 16:28	M
1,2,4-Trimethylbenzene	0.00084 U	mg/Kg	0.0032	0.00084	1	08/09/2023 06:30	08/09/2023 16:28	M
1,2-Dibromo-3-Chloropropane	0.00065 U	mg/Kg	0.0032	0.00065	1	08/09/2023 06:30	08/09/2023 16:28	M
1,2-Dichlorobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/09/2023 06:30	08/09/2023 16:28	M
1,2-Dichloroethane	0.00039 U	mg/Kg	0.0032	0.00039	1	08/09/2023 06:30	08/09/2023 16:28	M
1,2-Dichloropropane	0.00062 U	mg/Kg	0.0032	0.00062	1	08/09/2023 06:30	08/09/2023 16:28	M
1,3,5-Trimethylbenzene	0.00090 U	mg/Kg	0.0032	0.00090	1	08/09/2023 06:30	08/09/2023 16:28	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0032	0.0011	1	08/09/2023 06:30	08/09/2023 16:28	M
1,3-Dichloropropane	0.00053 U	mg/Kg	0.0032	0.00053	1	08/09/2023 06:30	08/09/2023 16:28	M
1,4-Dichlorobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/09/2023 06:30	08/09/2023 16:28	M
2,2-Dichloropropane	0.00036 U	mg/Kg	0.0032	0.00036	1	08/09/2023 06:30	08/09/2023 16:28	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343008
Sample ID: SB-4.6

Date Collected: 08/02/2023 12:50
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00080 U	mg/Kg	0.0032	0.00080	1	08/09/2023 06:30	08/09/2023 16:28	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0032	0.0016	1	08/09/2023 06:30	08/09/2023 16:28	M
2-Chlorotoluene	0.00081 U	mg/Kg	0.0032	0.00081	1	08/09/2023 06:30	08/09/2023 16:28	M
2-Hexanone	0.00062 U	mg/Kg	0.0032	0.00062	1	08/09/2023 06:30	08/09/2023 16:28	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/09/2023 06:30	08/09/2023 16:28	M
4-Methyl-2-pentanone (MIBK)	0.00089 U	mg/Kg	0.0032	0.00089	1	08/09/2023 06:30	08/09/2023 16:28	M
Acetone	0.0011 U	mg/Kg	0.0032	0.0011	1	08/09/2023 06:30	08/09/2023 16:28	M
Acrolein (Propenal)	0.0084 U	mg/Kg	0.016	0.0084	1	08/09/2023 06:30	08/09/2023 16:28	M
Acrylonitrile	0.0014 U	mg/Kg	0.0032	0.0014	1	08/09/2023 06:30	08/09/2023 16:28	M
Benzene	0.00032 U	mg/Kg	0.0032	0.00032	1	08/09/2023 06:30	08/09/2023 16:28	M
Bromobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/09/2023 06:30	08/09/2023 16:28	M
Bromochloromethane	0.00068 U	mg/Kg	0.0032	0.00068	1	08/09/2023 06:30	08/09/2023 16:28	M
Bromodichloromethane	0.00081 U	mg/Kg	0.0032	0.00081	1	08/09/2023 06:30	08/09/2023 16:28	M
Bromoform	0.00095 U	mg/Kg	0.0032	0.00095	1	08/09/2023 06:30	08/09/2023 16:28	M
Bromomethane	0.0023 U	mg/Kg	0.0032	0.0023	1	08/09/2023 06:30	08/09/2023 16:28	M
Carbon Disulfide	0.00058 U	mg/Kg	0.0032	0.00058	1	08/09/2023 06:30	08/09/2023 16:28	M
Carbon Tetrachloride	0.00048 U	mg/Kg	0.0032	0.00048	1	08/09/2023 06:30	08/09/2023 16:28	M
Chlorobenzene	0.00040 U	mg/Kg	0.0032	0.00040	1	08/09/2023 06:30	08/09/2023 16:28	M
Chloroethane	0.0012 U	mg/Kg	0.0032	0.0012	1	08/09/2023 06:30	08/09/2023 16:28	M
Chloroform	0.00052 U	mg/Kg	0.0032	0.00052	1	08/09/2023 06:30	08/09/2023 16:28	M
Chloromethane	0.00080 U	mg/Kg	0.0032	0.00080	1	08/09/2023 06:30	08/09/2023 16:28	M
Dibromochloromethane	0.00045 U	mg/Kg	0.0032	0.00045	1	08/09/2023 06:30	08/09/2023 16:28	M
Dibromomethane	0.00062 U	mg/Kg	0.0032	0.00062	1	08/09/2023 06:30	08/09/2023 16:28	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0032	0.0011	1	08/09/2023 06:30	08/09/2023 16:28	M

Thursday, August 10, 2023 5:03:05 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343008
Sample ID: SB-4.6

Date Collected: 08/02/2023 12:50
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00041 U	mg/Kg	0.0032	0.00041	1	08/09/2023 06:30	08/09/2023 16:28	M
Ethylene Dibromide (EDB)	0.00060 U	mg/Kg	0.0032	0.00060	1	08/09/2023 06:30	08/09/2023 16:28	M
Hexachlorobutadiene	0.00080 U	mg/Kg	0.0032	0.00080	1	08/09/2023 06:30	08/09/2023 16:28	M
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0032	0.0022	1	08/09/2023 06:30	08/09/2023 16:28	M
Isopropylbenzene	0.00073 U	mg/Kg	0.0032	0.00073	1	08/09/2023 06:30	08/09/2023 16:28	M
Methyl tert-butyl Ether (MTBE)	0.00047 U	mg/Kg	0.0032	0.00047	1	08/09/2023 06:30	08/09/2023 16:28	M
Methylene Chloride	0.0013 U	mg/Kg	0.0032	0.0013	1	08/09/2023 06:30	08/09/2023 16:28	M
Naphthalene	0.00073 U	mg/Kg	0.0032	0.00073	1	08/09/2023 06:30	08/09/2023 16:28	M
Styrene	0.00035 U	mg/Kg	0.0032	0.00035	1	08/09/2023 06:30	08/09/2023 16:28	M
Tetrachloroethylene (PCE)	0.00066 U	mg/Kg	0.0032	0.00066	1	08/09/2023 06:30	08/09/2023 16:28	M
Toluene	0.00050 U	mg/Kg	0.0032	0.00050	1	08/09/2023 06:30	08/09/2023 16:28	M
Trichloroethene	0.00063 U	mg/Kg	0.0032	0.00063	1	08/09/2023 06:30	08/09/2023 16:28	M
Trichlorofluoromethane	0.00044 U	mg/Kg	0.0032	0.00044	1	08/09/2023 06:30	08/09/2023 16:28	M
Vinyl Acetate	0.00048 U	mg/Kg	0.0032	0.00048	1	08/09/2023 06:30	08/09/2023 16:28	M
Vinyl Chloride	0.00055 U	mg/Kg	0.0032	0.00055	1	08/09/2023 06:30	08/09/2023 16:28	M
Xylene (Total)	0.0012 U	mg/Kg	0.0065	0.0012	1	08/09/2023 06:30	08/09/2023 16:28	M
cis-1,2-Dichloroethylene	0.00049 U	mg/Kg	0.0032	0.00049	1	08/09/2023 06:30	08/09/2023 16:28	M
cis-1,3-Dichloropropene	0.00039 U	mg/Kg	0.0032	0.00039	1	08/09/2023 06:30	08/09/2023 16:28	M
n-Butylbenzene	0.00076 U	mg/Kg	0.0032	0.00076	1	08/09/2023 06:30	08/09/2023 16:28	M
n-propylbenzene	0.00082 U	mg/Kg	0.0032	0.00082	1	08/09/2023 06:30	08/09/2023 16:28	M
sec-butylbenzene	0.00088 U	mg/Kg	0.0032	0.00088	1	08/09/2023 06:30	08/09/2023 16:28	M
tert-butylbenzene	0.00076 U	mg/Kg	0.0032	0.00076	1	08/09/2023 06:30	08/09/2023 16:28	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343008
Sample ID: SB-4.6

Date Collected: 08/02/2023 12:50
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00051 U	mg/Kg	0.0032	0.00051	1	08/09/2023 06:30	08/09/2023 16:28	M
trans-1,3-Dichloropropylene	0.00041 U	mg/Kg	0.0032	0.00041	1	08/09/2023 06:30	08/09/2023 16:28	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Toluene-d8 (S)	ug/Kg	51	53	103	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	51	56	109	79 - 126	M
1,2-Dichloroethane-d4 (S)	ug/Kg	51	57	112	69 - 134	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343009
Sample ID: SB-5.05

Date Collected: 08/02/2023 11:35
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	19	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00059 U	mg/Kg	0.0044	0.00059	1	08/09/2023 06:30	08/09/2023 16:55	M
1,1,1-Trichloroethane	0.00078 U	mg/Kg	0.0044	0.00078	1	08/09/2023 06:30	08/09/2023 16:55	M
1,1,2,2-Tetrachloroethane	0.0013 U	mg/Kg	0.0044	0.0013	1	08/09/2023 06:30	08/09/2023 16:55	M
1,1,2-Trichloroethane	0.00047 U	mg/Kg	0.0044	0.00047	1	08/09/2023 06:30	08/09/2023 16:55	M
1,1-Dichloroethane	0.00061 U	mg/Kg	0.0044	0.00061	1	08/09/2023 06:30	08/09/2023 16:55	M
1,1-Dichloroethylene	0.00077 U	mg/Kg	0.0044	0.00077	1	08/09/2023 06:30	08/09/2023 16:55	M
1,1-Dichloropropene	0.00064 U	mg/Kg	0.0044	0.00064	1	08/09/2023 06:30	08/09/2023 16:55	M
1,2,3-Trichlorobenzene	0.0012 U	mg/Kg	0.0044	0.0012	1	08/09/2023 06:30	08/09/2023 16:55	M
1,2,3-Trichloropropane	0.0012 U	mg/Kg	0.0044	0.0012	1	08/09/2023 06:30	08/09/2023 16:55	M
1,2,4-Trichlorobenzene	0.0012 U	mg/Kg	0.0044	0.0012	1	08/09/2023 06:30	08/09/2023 16:55	M
1,2,4-Trimethylbenzene	0.0012 U	mg/Kg	0.0044	0.0012	1	08/09/2023 06:30	08/09/2023 16:55	M
1,2-Dibromo-3-Chloropropane	0.00089 U	mg/Kg	0.0044	0.00089	1	08/09/2023 06:30	08/09/2023 16:55	M
1,2-Dichlorobenzene	0.0016 U	mg/Kg	0.0044	0.0016	1	08/09/2023 06:30	08/09/2023 16:55	M
1,2-Dichloroethane	0.00053 U	mg/Kg	0.0044	0.00053	1	08/09/2023 06:30	08/09/2023 16:55	M
1,2-Dichloropropane	0.00084 U	mg/Kg	0.0044	0.00084	1	08/09/2023 06:30	08/09/2023 16:55	M
1,3,5-Trimethylbenzene	0.0012 U	mg/Kg	0.0044	0.0012	1	08/09/2023 06:30	08/09/2023 16:55	M
1,3-Dichlorobenzene	0.0015 U	mg/Kg	0.0044	0.0015	1	08/09/2023 06:30	08/09/2023 16:55	M
1,3-Dichloropropane	0.00072 U	mg/Kg	0.0044	0.00072	1	08/09/2023 06:30	08/09/2023 16:55	M
1,4-Dichlorobenzene	0.0016 U	mg/Kg	0.0044	0.0016	1	08/09/2023 06:30	08/09/2023 16:55	M
2,2-Dichloropropane	0.00049 U	mg/Kg	0.0044	0.00049	1	08/09/2023 06:30	08/09/2023 16:55	M
2-Butanone (MEK)	0.0011 U	mg/Kg	0.0044	0.0011	1	08/09/2023 06:30	08/09/2023 16:55	M
2-Chloroethyl Vinyl Ether	0.0022 U	mg/Kg	0.0044	0.0022	1	08/09/2023 06:30	08/09/2023 16:55	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343009
Sample ID: SB-5.05

Date Collected: 08/02/2023 11:35
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Chlorotoluene	0.0011 U	mg/Kg	0.0044	0.0011	1	08/09/2023 06:30	08/09/2023 16:55	M
2-Hexanone	0.00084 U	mg/Kg	0.0044	0.00084	1	08/09/2023 06:30	08/09/2023 16:55	M
4-Chlorotoluene	0.0017 U	mg/Kg	0.0044	0.0017	1	08/09/2023 06:30	08/09/2023 16:55	M
4-Methyl-2-pentanone (MIBK)	0.0012 U	mg/Kg	0.0044	0.0012	1	08/09/2023 06:30	08/09/2023 16:55	M
Acetone	0.0015 U	mg/Kg	0.0044	0.0015	1	08/09/2023 06:30	08/09/2023 16:55	M
Acrolein (Propenal)	0.012 U	mg/Kg	0.022	0.012	1	08/09/2023 06:30	08/09/2023 16:55	M
Acrylonitrile	0.0019 U	mg/Kg	0.0044	0.0019	1	08/09/2023 06:30	08/09/2023 16:55	M
Benzene	0.00044 U	mg/Kg	0.0044	0.00044	1	08/09/2023 06:30	08/09/2023 16:55	M
Bromobenzene	0.0016 U	mg/Kg	0.0044	0.0016	1	08/09/2023 06:30	08/09/2023 16:55	M
Bromochloromethane	0.00093 U	mg/Kg	0.0044	0.00093	1	08/09/2023 06:30	08/09/2023 16:55	M
Bromodichloromethane	0.0011 U	mg/Kg	0.0044	0.0011	1	08/09/2023 06:30	08/09/2023 16:55	M
Bromoform	0.0013 U	mg/Kg	0.0044	0.0013	1	08/09/2023 06:30	08/09/2023 16:55	M
Bromomethane	0.0031 U	mg/Kg	0.0044	0.0031	1	08/09/2023 06:30	08/09/2023 16:55	M
Carbon Disulfide	0.00080 U	mg/Kg	0.0044	0.00080	1	08/09/2023 06:30	08/09/2023 16:55	M
Carbon Tetrachloride	0.00065 U	mg/Kg	0.0044	0.00065	1	08/09/2023 06:30	08/09/2023 16:55	M
Chlorobenzene	0.00055 U	mg/Kg	0.0044	0.00055	1	08/09/2023 06:30	08/09/2023 16:55	M
Chloroethane	0.0017 U	mg/Kg	0.0044	0.0017	1	08/09/2023 06:30	08/09/2023 16:55	M
Chloroform	0.00071 U	mg/Kg	0.0044	0.00071	1	08/09/2023 06:30	08/09/2023 16:55	M
Chloromethane	0.0011 U	mg/Kg	0.0044	0.0011	1	08/09/2023 06:30	08/09/2023 16:55	M
Dibromochloromethane	0.00062 U	mg/Kg	0.0044	0.00062	1	08/09/2023 06:30	08/09/2023 16:55	M
Dibromomethane	0.00084 U	mg/Kg	0.0044	0.00084	1	08/09/2023 06:30	08/09/2023 16:55	M
Dichlorodifluoromethane	0.0014 U	mg/Kg	0.0044	0.0014	1	08/09/2023 06:30	08/09/2023 16:55	M
Ethylbenzene	0.00056 U	mg/Kg	0.0044	0.00056	1	08/09/2023 06:30	08/09/2023 16:55	M
Ethylene Dibromide (EDB)	0.00081 U	mg/Kg	0.0044	0.00081	1	08/09/2023 06:30	08/09/2023 16:55	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343009
Sample ID: SB-5.05

Date Collected: 08/02/2023 11:35
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Hexachlorobutadiene	0.0011 U	mg/Kg	0.0044	0.0011	1	08/09/2023 06:30	08/09/2023 16:55	M
Iodomethane (Methyl Iodide)	0.0030 U	mg/Kg	0.0044	0.0030	1	08/09/2023 06:30	08/09/2023 16:55	M
Isopropylbenzene	0.0010 U	mg/Kg	0.0044	0.0010	1	08/09/2023 06:30	08/09/2023 16:55	M
Methyl tert-butyl Ether (MTBE)	0.00064 U	mg/Kg	0.0044	0.00064	1	08/09/2023 06:30	08/09/2023 16:55	M
Methylene Chloride	0.0018 U	mg/Kg	0.0044	0.0018	1	08/09/2023 06:30	08/09/2023 16:55	M
Naphthalene	0.00099 U	mg/Kg	0.0044	0.00099	1	08/09/2023 06:30	08/09/2023 16:55	M
Styrene	0.00047 U	mg/Kg	0.0044	0.00047	1	08/09/2023 06:30	08/09/2023 16:55	M
Tetrachloroethylene (PCE)	0.00090 U	mg/Kg	0.0044	0.00090	1	08/09/2023 06:30	08/09/2023 16:55	M
Toluene	0.00068 U	mg/Kg	0.0044	0.00068	1	08/09/2023 06:30	08/09/2023 16:55	M
Trichloroethene	0.00086 U	mg/Kg	0.0044	0.00086	1	08/09/2023 06:30	08/09/2023 16:55	M
Trichlorofluoromethane	0.00061 U	mg/Kg	0.0044	0.00061	1	08/09/2023 06:30	08/09/2023 16:55	M
Vinyl Acetate	0.00065 U	mg/Kg	0.0044	0.00065	1	08/09/2023 06:30	08/09/2023 16:55	M
Vinyl Chloride	0.00075 U	mg/Kg	0.0044	0.00075	1	08/09/2023 06:30	08/09/2023 16:55	M
Xylene (Total)	0.0016 U	mg/Kg	0.0089	0.0016	1	08/09/2023 06:30	08/09/2023 16:55	M
cis-1,2-Dichloroethylene	0.00067 U	mg/Kg	0.0044	0.00067	1	08/09/2023 06:30	08/09/2023 16:55	M
cis-1,3-Dichloropropene	0.00053 U	mg/Kg	0.0044	0.00053	1	08/09/2023 06:30	08/09/2023 16:55	M
n-Butylbenzene	0.0010 U	mg/Kg	0.0044	0.0010	1	08/09/2023 06:30	08/09/2023 16:55	M
n-propylbenzene	0.0011 U	mg/Kg	0.0044	0.0011	1	08/09/2023 06:30	08/09/2023 16:55	M
sec-butylbenzene	0.0012 U	mg/Kg	0.0044	0.0012	1	08/09/2023 06:30	08/09/2023 16:55	M
tert-butylbenzene	0.0010 U	mg/Kg	0.0044	0.0010	1	08/09/2023 06:30	08/09/2023 16:55	M
trans-1,2-Dichloroethylene	0.00069 U	mg/Kg	0.0044	0.00069	1	08/09/2023 06:30	08/09/2023 16:55	M
trans-1,3-Dichloropropylene	0.00056 U	mg/Kg	0.0044	0.00056	1	08/09/2023 06:30	08/09/2023 16:55	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	60	67	112	69 - 134	M
Toluene-d8 (S)	ug/Kg	60	62	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	60	68	114	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343010			Date Collected: 08/02/2023 11:45			Matrix: Soil		
Sample ID: SB-5.2			Date Received: 08/02/2023 15:54					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	2.0	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0031	0.00041	1	08/09/2023 06:30	08/09/2023 17:23	M
1,1,1-Trichloroethane	0.00055 U	mg/Kg	0.0031	0.00055	1	08/09/2023 06:30	08/09/2023 17:23	M
1,1,2,2-Tetrachloroethane	0.00088 U	mg/Kg	0.0031	0.00088	1	08/09/2023 06:30	08/09/2023 17:23	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 06:30	08/09/2023 17:23	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/09/2023 06:30	08/09/2023 17:23	M
1,1-Dichloroethylene	0.00054 U	mg/Kg	0.0031	0.00054	1	08/09/2023 06:30	08/09/2023 17:23	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0031	0.00044	1	08/09/2023 06:30	08/09/2023 17:23	M
1,2,3-Trichlorobenzene	0.00081 U	mg/Kg	0.0031	0.00081	1	08/09/2023 06:30	08/09/2023 17:23	M
1,2,3-Trichloropropane	0.00081 U	mg/Kg	0.0031	0.00081	1	08/09/2023 06:30	08/09/2023 17:23	M
1,2,4-Trichlorobenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/09/2023 06:30	08/09/2023 17:23	M
1,2,4-Trimethylbenzene	0.00080 U	mg/Kg	0.0031	0.00080	1	08/09/2023 06:30	08/09/2023 17:23	M
1,2-Dibromo-3-Chloropropane	0.00062 U	mg/Kg	0.0031	0.00062	1	08/09/2023 06:30	08/09/2023 17:23	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 17:23	M
1,2-Dichloroethane	0.00037 U	mg/Kg	0.0031	0.00037	1	08/09/2023 06:30	08/09/2023 17:23	M
1,2-Dichloropropane	0.00059 U	mg/Kg	0.0031	0.00059	1	08/09/2023 06:30	08/09/2023 17:23	M
1,3,5-Trimethylbenzene	0.00086 U	mg/Kg	0.0031	0.00086	1	08/09/2023 06:30	08/09/2023 17:23	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 17:23	M
1,3-Dichloropropane	0.00051 U	mg/Kg	0.0031	0.00051	1	08/09/2023 06:30	08/09/2023 17:23	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 17:23	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/09/2023 06:30	08/09/2023 17:23	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343010	Date Collected: 08/02/2023 11:45				Matrix: Soil			
Sample ID: SB-5.2	Date Received: 08/02/2023 15:54							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00076 U	mg/Kg	0.0031	0.00076	1	08/09/2023 06:30	08/09/2023 17:23	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0031	0.0015	1	08/09/2023 06:30	08/09/2023 17:23	M
2-Chlorotoluene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 06:30	08/09/2023 17:23	M
2-Hexanone	0.00059 U	mg/Kg	0.0031	0.00059	1	08/09/2023 06:30	08/09/2023 17:23	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 06:30	08/09/2023 17:23	M
4-Methyl-2-pentanone (MIBK)	0.00085 U	mg/Kg	0.0031	0.00085	1	08/09/2023 06:30	08/09/2023 17:23	M
Acetone	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 17:23	M
Acrolein (Propenal)	0.0080 U	mg/Kg	0.015	0.0080	1	08/09/2023 06:30	08/09/2023 17:23	M
Acrylonitrile	0.0013 U	mg/Kg	0.0031	0.0013	1	08/09/2023 06:30	08/09/2023 17:23	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/09/2023 06:30	08/09/2023 17:23	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 17:23	M
Bromochloromethane	0.00065 U	mg/Kg	0.0031	0.00065	1	08/09/2023 06:30	08/09/2023 17:23	M
Bromodichloromethane	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 06:30	08/09/2023 17:23	M
Bromoform	0.00091 U	mg/Kg	0.0031	0.00091	1	08/09/2023 06:30	08/09/2023 17:23	M
Bromomethane	0.0022 U	mg/Kg	0.0031	0.0022	1	08/09/2023 06:30	08/09/2023 17:23	M
Carbon Disulfide	0.00056 U	mg/Kg	0.0031	0.00056	1	08/09/2023 06:30	08/09/2023 17:23	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 06:30	08/09/2023 17:23	M
Chlorobenzene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/09/2023 06:30	08/09/2023 17:23	M
Chloroethane	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 06:30	08/09/2023 17:23	M
Chloroform	0.00049 U	mg/Kg	0.0031	0.00049	1	08/09/2023 06:30	08/09/2023 17:23	M
Chloromethane	0.00076 U	mg/Kg	0.0031	0.00076	1	08/09/2023 06:30	08/09/2023 17:23	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/09/2023 06:30	08/09/2023 17:23	M
Dibromomethane	0.00059 U	mg/Kg	0.0031	0.00059	1	08/09/2023 06:30	08/09/2023 17:23	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/09/2023 06:30	08/09/2023 17:23	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343010
Sample ID: SB-5.2

Date Collected: 08/02/2023 11:45
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/09/2023 06:30	08/09/2023 17:23	M
Ethylene Dibromide (EDB)	0.00057 U	mg/Kg	0.0031	0.00057	1	08/09/2023 06:30	08/09/2023 17:23	M
Hexachlorobutadiene	0.00076 U	mg/Kg	0.0031	0.00076	1	08/09/2023 06:30	08/09/2023 17:23	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0031	0.0021	1	08/09/2023 06:30	08/09/2023 17:23	M
Isopropylbenzene	0.00070 U	mg/Kg	0.0031	0.00070	1	08/09/2023 06:30	08/09/2023 17:23	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0031	0.00044	1	08/09/2023 06:30	08/09/2023 17:23	M
Methylene Chloride	0.0013 U	mg/Kg	0.0031	0.0013	1	08/09/2023 06:30	08/09/2023 17:23	M
Naphthalene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/09/2023 06:30	08/09/2023 17:23	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 06:30	08/09/2023 17:23	M
Tetrachloroethylene (PCE)	0.00063 U	mg/Kg	0.0031	0.00063	1	08/09/2023 06:30	08/09/2023 17:23	M
Toluene	0.00047 U	mg/Kg	0.0031	0.00047	1	08/09/2023 06:30	08/09/2023 17:23	M
Trichloroethene	0.00060 U	mg/Kg	0.0031	0.00060	1	08/09/2023 06:30	08/09/2023 17:23	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/09/2023 06:30	08/09/2023 17:23	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 06:30	08/09/2023 17:23	M
Vinyl Chloride	0.00053 U	mg/Kg	0.0031	0.00053	1	08/09/2023 06:30	08/09/2023 17:23	M
Xylene (Total)	0.0011 U	mg/Kg	0.0062	0.0011	1	08/09/2023 06:30	08/09/2023 17:23	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0031	0.00046	1	08/09/2023 06:30	08/09/2023 17:23	M
cis-1,3-Dichloropropene	0.00037 U	mg/Kg	0.0031	0.00037	1	08/09/2023 06:30	08/09/2023 17:23	M
n-Butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/09/2023 06:30	08/09/2023 17:23	M
n-propylbenzene	0.00078 U	mg/Kg	0.0031	0.00078	1	08/09/2023 06:30	08/09/2023 17:23	M
sec-butylbenzene	0.00084 U	mg/Kg	0.0031	0.00084	1	08/09/2023 06:30	08/09/2023 17:23	M
tert-butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/09/2023 06:30	08/09/2023 17:23	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343010
Sample ID: SB-5.2

Date Collected: 08/02/2023 11:45
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/09/2023 06:30	08/09/2023 17:23	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/09/2023 06:30	08/09/2023 17:23	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51	56	112	69 - 134	M
Toluene-d8 (S)	ug/Kg	51	51	101	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	51	56	111	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343011	Date Collected: 08/02/2023 11:50			Matrix: Soil				
Sample ID: SB-5.4	Date Received: 08/02/2023 15:54							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	2.6	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0031	0.00041	1	08/09/2023 06:30	08/09/2023 17:50	M
1,1,1-Trichloroethane	0.00055 U	mg/Kg	0.0031	0.00055	1	08/09/2023 06:30	08/09/2023 17:50	M
1,1,2,2-Tetrachloroethane	0.00088 U	mg/Kg	0.0031	0.00088	1	08/09/2023 06:30	08/09/2023 17:50	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 06:30	08/09/2023 17:50	M
1,1-Dichloroethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/09/2023 06:30	08/09/2023 17:50	M
1,1-Dichloroethylene	0.00054 U	mg/Kg	0.0031	0.00054	1	08/09/2023 06:30	08/09/2023 17:50	M
1,1-Dichloropropene	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 06:30	08/09/2023 17:50	M
1,2,3-Trichlorobenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/09/2023 06:30	08/09/2023 17:50	M
1,2,3-Trichloropropane	0.00082 U	mg/Kg	0.0031	0.00082	1	08/09/2023 06:30	08/09/2023 17:50	M
1,2,4-Trichlorobenzene	0.00083 U	mg/Kg	0.0031	0.00083	1	08/09/2023 06:30	08/09/2023 17:50	M
1,2,4-Trimethylbenzene	0.00081 U	mg/Kg	0.0031	0.00081	1	08/09/2023 06:30	08/09/2023 17:50	M
1,2-Dibromo-3-Chloropropane	0.00062 U	mg/Kg	0.0031	0.00062	1	08/09/2023 06:30	08/09/2023 17:50	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 17:50	M
1,2-Dichloroethane	0.00037 U	mg/Kg	0.0031	0.00037	1	08/09/2023 06:30	08/09/2023 17:50	M
1,2-Dichloropropane	0.00059 U	mg/Kg	0.0031	0.00059	1	08/09/2023 06:30	08/09/2023 17:50	M
1,3,5-Trimethylbenzene	0.00086 U	mg/Kg	0.0031	0.00086	1	08/09/2023 06:30	08/09/2023 17:50	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 17:50	M
1,3-Dichloropropane	0.00051 U	mg/Kg	0.0031	0.00051	1	08/09/2023 06:30	08/09/2023 17:50	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 17:50	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/09/2023 06:30	08/09/2023 17:50	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343011
Sample ID: SB-5.4

Date Collected: 08/02/2023 11:50
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 06:30	08/09/2023 17:50	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0031	0.0015	1	08/09/2023 06:30	08/09/2023 17:50	M
2-Chlorotoluene	0.00078 U	mg/Kg	0.0031	0.00078	1	08/09/2023 06:30	08/09/2023 17:50	M
2-Hexanone	0.00059 U	mg/Kg	0.0031	0.00059	1	08/09/2023 06:30	08/09/2023 17:50	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 06:30	08/09/2023 17:50	M
4-Methyl-2-pentanone (MIBK)	0.00085 U	mg/Kg	0.0031	0.00085	1	08/09/2023 06:30	08/09/2023 17:50	M
Acetone	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 17:50	M
Acrolein (Propenal)	0.0081 U	mg/Kg	0.016	0.0081	1	08/09/2023 06:30	08/09/2023 17:50	M
Acrylonitrile	0.0013 U	mg/Kg	0.0031	0.0013	1	08/09/2023 06:30	08/09/2023 17:50	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/09/2023 06:30	08/09/2023 17:50	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 06:30	08/09/2023 17:50	M
Bromochloromethane	0.00065 U	mg/Kg	0.0031	0.00065	1	08/09/2023 06:30	08/09/2023 17:50	M
Bromodichloromethane	0.00078 U	mg/Kg	0.0031	0.00078	1	08/09/2023 06:30	08/09/2023 17:50	M
Bromoform	0.00091 U	mg/Kg	0.0031	0.00091	1	08/09/2023 06:30	08/09/2023 17:50	M
Bromomethane	0.0022 U	mg/Kg	0.0031	0.0022	1	08/09/2023 06:30	08/09/2023 17:50	M
Carbon Disulfide	0.00056 U	mg/Kg	0.0031	0.00056	1	08/09/2023 06:30	08/09/2023 17:50	M
Carbon Tetrachloride	0.00046 U	mg/Kg	0.0031	0.00046	1	08/09/2023 06:30	08/09/2023 17:50	M
Chlorobenzene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/09/2023 06:30	08/09/2023 17:50	M
Chloroethane	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 06:30	08/09/2023 17:50	M
Chloroform	0.00050 U	mg/Kg	0.0031	0.00050	1	08/09/2023 06:30	08/09/2023 17:50	M
Chloromethane	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 06:30	08/09/2023 17:50	M
Dibromochloromethane	0.00044 U	mg/Kg	0.0031	0.00044	1	08/09/2023 06:30	08/09/2023 17:50	M
Dibromomethane	0.00059 U	mg/Kg	0.0031	0.00059	1	08/09/2023 06:30	08/09/2023 17:50	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/09/2023 06:30	08/09/2023 17:50	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343011
Sample ID: SB-5.4

Date Collected: 08/02/2023 11:50
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/09/2023 06:30	08/09/2023 17:50	M
Ethylene Dibromide (EDB)	0.00057 U	mg/Kg	0.0031	0.00057	1	08/09/2023 06:30	08/09/2023 17:50	M
Hexachlorobutadiene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 06:30	08/09/2023 17:50	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0031	0.0021	1	08/09/2023 06:30	08/09/2023 17:50	M
Isopropylbenzene	0.00070 U	mg/Kg	0.0031	0.00070	1	08/09/2023 06:30	08/09/2023 17:50	M
Methyl tert-butyl Ether (MTBE)	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 06:30	08/09/2023 17:50	M
Methylene Chloride	0.0013 U	mg/Kg	0.0031	0.0013	1	08/09/2023 06:30	08/09/2023 17:50	M
Naphthalene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/09/2023 06:30	08/09/2023 17:50	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 06:30	08/09/2023 17:50	M
Tetrachloroethylene (PCE)	0.00063 U	mg/Kg	0.0031	0.00063	1	08/09/2023 06:30	08/09/2023 17:50	M
Toluene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/09/2023 06:30	08/09/2023 17:50	M
Trichloroethene	0.00060 U	mg/Kg	0.0031	0.00060	1	08/09/2023 06:30	08/09/2023 17:50	M
Trichlorofluoromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/09/2023 06:30	08/09/2023 17:50	M
Vinyl Acetate	0.00046 U	mg/Kg	0.0031	0.00046	1	08/09/2023 06:30	08/09/2023 17:50	M
Vinyl Chloride	0.00053 U	mg/Kg	0.0031	0.00053	1	08/09/2023 06:30	08/09/2023 17:50	M
Xylene (Total)	0.0011 U	mg/Kg	0.0062	0.0011	1	08/09/2023 06:30	08/09/2023 17:50	M
cis-1,2-Dichloroethylene	0.00047 U	mg/Kg	0.0031	0.00047	1	08/09/2023 06:30	08/09/2023 17:50	M
cis-1,3-Dichloropropene	0.00037 U	mg/Kg	0.0031	0.00037	1	08/09/2023 06:30	08/09/2023 17:50	M
n-Butylbenzene	0.00073 U	mg/Kg	0.0031	0.00073	1	08/09/2023 06:30	08/09/2023 17:50	M
n-propylbenzene	0.00079 U	mg/Kg	0.0031	0.00079	1	08/09/2023 06:30	08/09/2023 17:50	M
sec-butylbenzene	0.00084 U	mg/Kg	0.0031	0.00084	1	08/09/2023 06:30	08/09/2023 17:50	M
tert-butylbenzene	0.00073 U	mg/Kg	0.0031	0.00073	1	08/09/2023 06:30	08/09/2023 17:50	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343011
Sample ID: SB-5.4

Date Collected: 08/02/2023 11:50
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00049 U	mg/Kg	0.0031	0.00049	1	08/09/2023 06:30	08/09/2023 17:50	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/09/2023 06:30	08/09/2023 17:50	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51	57	113	69 - 134	M
Toluene-d8 (S)	ug/Kg	51	54	106	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	51	56	111	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343012
Sample ID: SB-5.6

Date Collected: 08/02/2023 12:00
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.1	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00056 U	mg/Kg	0.0042	0.00056	1	08/09/2023 06:30	08/09/2023 18:17	M
1,1,1-Trichloroethane	0.00074 U	mg/Kg	0.0042	0.00074	1	08/09/2023 06:30	08/09/2023 18:17	M
1,1,2,2-Tetrachloroethane	0.0012 U	mg/Kg	0.0042	0.0012	1	08/09/2023 06:30	08/09/2023 18:17	M
1,1,2-Trichloroethane	0.00045 U	mg/Kg	0.0042	0.00045	1	08/09/2023 06:30	08/09/2023 18:17	M
1,1-Dichloroethane	0.00057 U	mg/Kg	0.0042	0.00057	1	08/09/2023 06:30	08/09/2023 18:17	M
1,1-Dichloroethylene	0.00073 U	mg/Kg	0.0042	0.00073	1	08/09/2023 06:30	08/09/2023 18:17	M
1,1-Dichloropropene	0.00060 U	mg/Kg	0.0042	0.00060	1	08/09/2023 06:30	08/09/2023 18:17	M
1,2,3-Trichlorobenzene	0.0011 U	mg/Kg	0.0042	0.0011	1	08/09/2023 06:30	08/09/2023 18:17	M
1,2,3-Trichloropropane	0.0011 U	mg/Kg	0.0042	0.0011	1	08/09/2023 06:30	08/09/2023 18:17	M
1,2,4-Trichlorobenzene	0.0011 U	mg/Kg	0.0042	0.0011	1	08/09/2023 06:30	08/09/2023 18:17	M
1,2,4-Trimethylbenzene	0.0011 U	mg/Kg	0.0042	0.0011	1	08/09/2023 06:30	08/09/2023 18:17	M
1,2-Dibromo-3-Chloropropane	0.00084 U	mg/Kg	0.0042	0.00084	1	08/09/2023 06:30	08/09/2023 18:17	M
1,2-Dichlorobenzene	0.0015 U	mg/Kg	0.0042	0.0015	1	08/09/2023 06:30	08/09/2023 18:17	M
1,2-Dichloroethane	0.00050 U	mg/Kg	0.0042	0.00050	1	08/09/2023 06:30	08/09/2023 18:17	M
1,2-Dichloropropane	0.00079 U	mg/Kg	0.0042	0.00079	1	08/09/2023 06:30	08/09/2023 18:17	M
1,3,5-Trimethylbenzene	0.0012 U	mg/Kg	0.0042	0.0012	1	08/09/2023 06:30	08/09/2023 18:17	M
1,3-Dichlorobenzene	0.0014 U	mg/Kg	0.0042	0.0014	1	08/09/2023 06:30	08/09/2023 18:17	M
1,3-Dichloropropane	0.00068 U	mg/Kg	0.0042	0.00068	1	08/09/2023 06:30	08/09/2023 18:17	M
1,4-Dichlorobenzene	0.0015 U	mg/Kg	0.0042	0.0015	1	08/09/2023 06:30	08/09/2023 18:17	M
2,2-Dichloropropane	0.00046 U	mg/Kg	0.0042	0.00046	1	08/09/2023 06:30	08/09/2023 18:17	M
2-Butanone (MEK)	0.0010 U	mg/Kg	0.0042	0.0010	1	08/09/2023 06:30	08/09/2023 18:17	M
2-Chloroethyl Vinyl Ether	0.0021 U	mg/Kg	0.0042	0.0021	1	08/09/2023 06:30	08/09/2023 18:17	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343012
Sample ID: SB-5.6

Date Collected: 08/02/2023 12:00
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Chlorotoluene	0.0010 U	mg/Kg	0.0042	0.0010	1	08/09/2023 06:30	08/09/2023 18:17	M
2-Hexanone	0.00079 U	mg/Kg	0.0042	0.00079	1	08/09/2023 06:30	08/09/2023 18:17	M
4-Chlorotoluene	0.0016 U	mg/Kg	0.0042	0.0016	1	08/09/2023 06:30	08/09/2023 18:17	M
4-Methyl-2-pentanone (MIBK)	0.0011 U	mg/Kg	0.0042	0.0011	1	08/09/2023 06:30	08/09/2023 18:17	M
Acetone	0.0014 U	mg/Kg	0.0042	0.0014	1	08/09/2023 06:30	08/09/2023 18:17	M
Acrolein (Propenal)	0.011 U	mg/Kg	0.021	0.011	1	08/09/2023 06:30	08/09/2023 18:17	M
Acrylonitrile	0.0018 U	mg/Kg	0.0042	0.0018	1	08/09/2023 06:30	08/09/2023 18:17	M
Benzene	0.00042 U	mg/Kg	0.0042	0.00042	1	08/09/2023 06:30	08/09/2023 18:17	M
Bromobenzene	0.0015 U	mg/Kg	0.0042	0.0015	1	08/09/2023 06:30	08/09/2023 18:17	M
Bromochloromethane	0.00088 U	mg/Kg	0.0042	0.00088	1	08/09/2023 06:30	08/09/2023 18:17	M
Bromodichloromethane	0.0010 U	mg/Kg	0.0042	0.0010	1	08/09/2023 06:30	08/09/2023 18:17	M
Bromoform	0.0012 U	mg/Kg	0.0042	0.0012	1	08/09/2023 06:30	08/09/2023 18:17	M
Bromomethane	0.0029 U	mg/Kg	0.0042	0.0029	1	08/09/2023 06:30	08/09/2023 18:17	M
Carbon Disulfide	0.00075 U	mg/Kg	0.0042	0.00075	1	08/09/2023 06:30	08/09/2023 18:17	M
Carbon Tetrachloride	0.00061 U	mg/Kg	0.0042	0.00061	1	08/09/2023 06:30	08/09/2023 18:17	M
Chlorobenzene	0.00052 U	mg/Kg	0.0042	0.00052	1	08/09/2023 06:30	08/09/2023 18:17	M
Chloroethane	0.0016 U	mg/Kg	0.0042	0.0016	1	08/09/2023 06:30	08/09/2023 18:17	M
Chloroform	0.00067 U	mg/Kg	0.0042	0.00067	1	08/09/2023 06:30	08/09/2023 18:17	M
Chloromethane	0.0010 U	mg/Kg	0.0042	0.0010	1	08/09/2023 06:30	08/09/2023 18:17	M
Dibromochloromethane	0.00059 U	mg/Kg	0.0042	0.00059	1	08/09/2023 06:30	08/09/2023 18:17	M
Dibromomethane	0.00079 U	mg/Kg	0.0042	0.00079	1	08/09/2023 06:30	08/09/2023 18:17	M
Dichlorodifluoromethane	0.0014 U	mg/Kg	0.0042	0.0014	1	08/09/2023 06:30	08/09/2023 18:17	M
Ethylbenzene	0.00053 U	mg/Kg	0.0042	0.00053	1	08/09/2023 06:30	08/09/2023 18:17	M
Ethylene Dibromide (EDB)	0.00077 U	mg/Kg	0.0042	0.00077	1	08/09/2023 06:30	08/09/2023 18:17	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343012
Sample ID: SB-5.6

Date Collected: 08/02/2023 12:00
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Hexachlorobutadiene	0.0010 U	mg/Kg	0.0042	0.0010	1	08/09/2023 06:30	08/09/2023 18:17	M
Iodomethane (Methyl Iodide)	0.0029 U	mg/Kg	0.0042	0.0029	1	08/09/2023 06:30	08/09/2023 18:17	M
Isopropylbenzene	0.00094 U	mg/Kg	0.0042	0.00094	1	08/09/2023 06:30	08/09/2023 18:17	M
Methyl tert-butyl Ether (MTBE)	0.00060 U	mg/Kg	0.0042	0.00060	1	08/09/2023 06:30	08/09/2023 18:17	M
Methylene Chloride	0.0017 U	mg/Kg	0.0042	0.0017	1	08/09/2023 06:30	08/09/2023 18:17	M
Naphthalene	0.00093 U	mg/Kg	0.0042	0.00093	1	08/09/2023 06:30	08/09/2023 18:17	M
Styrene	0.00045 U	mg/Kg	0.0042	0.00045	1	08/09/2023 06:30	08/09/2023 18:17	M
Tetrachloroethylene (PCE)	0.00085 U	mg/Kg	0.0042	0.00085	1	08/09/2023 06:30	08/09/2023 18:17	M
Toluene	0.00064 U	mg/Kg	0.0042	0.00064	1	08/09/2023 06:30	08/09/2023 18:17	M
Trichloroethene	0.00081 U	mg/Kg	0.0042	0.00081	1	08/09/2023 06:30	08/09/2023 18:17	M
Trichlorofluoromethane	0.00057 U	mg/Kg	0.0042	0.00057	1	08/09/2023 06:30	08/09/2023 18:17	M
Vinyl Acetate	0.00061 U	mg/Kg	0.0042	0.00061	1	08/09/2023 06:30	08/09/2023 18:17	M
Vinyl Chloride	0.00071 U	mg/Kg	0.0042	0.00071	1	08/09/2023 06:30	08/09/2023 18:17	M
Xylene (Total)	0.0015 U	mg/Kg	0.0084	0.0015	1	08/09/2023 06:30	08/09/2023 18:17	M
cis-1,2-Dichloroethylene	0.00063 U	mg/Kg	0.0042	0.00063	1	08/09/2023 06:30	08/09/2023 18:17	M
cis-1,3-Dichloropropene	0.00050 U	mg/Kg	0.0042	0.00050	1	08/09/2023 06:30	08/09/2023 18:17	M
n-Butylbenzene	0.00098 U	mg/Kg	0.0042	0.00098	1	08/09/2023 06:30	08/09/2023 18:17	M
n-propylbenzene	0.0011 U	mg/Kg	0.0042	0.0011	1	08/09/2023 06:30	08/09/2023 18:17	M
sec-butylbenzene	0.0011 U	mg/Kg	0.0042	0.0011	1	08/09/2023 06:30	08/09/2023 18:17	M
tert-butylbenzene	0.00098 U	mg/Kg	0.0042	0.00098	1	08/09/2023 06:30	08/09/2023 18:17	M
trans-1,2-Dichloroethylene	0.00066 U	mg/Kg	0.0042	0.00066	1	08/09/2023 06:30	08/09/2023 18:17	M
trans-1,3-Dichloropropylene	0.00053 U	mg/Kg	0.0042	0.00053	1	08/09/2023 06:30	08/09/2023 18:17	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	68	79	116	69 - 134	M
Toluene-d8 (S)	ug/Kg	68	68	100	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	68	74	109	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343013
Sample ID: SB-6.05

Date Collected: 08/02/2023 09:30
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.3	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00046 U	mg/Kg	0.0034	0.00046	1	08/09/2023 06:30	08/09/2023 18:44	M
1,1,1-Trichloroethane	0.00060 U	mg/Kg	0.0034	0.00060	1	08/09/2023 06:30	08/09/2023 18:44	M
1,1,2,2-Tetrachloroethane	0.00097 U	mg/Kg	0.0034	0.00097	1	08/09/2023 06:30	08/09/2023 18:44	M
1,1,2-Trichloroethane	0.00037 U	mg/Kg	0.0034	0.00037	1	08/09/2023 06:30	08/09/2023 18:44	M
1,1-Dichloroethane	0.00047 U	mg/Kg	0.0034	0.00047	1	08/09/2023 06:30	08/09/2023 18:44	M
1,1-Dichloroethylene	0.00059 U	mg/Kg	0.0034	0.00059	1	08/09/2023 06:30	08/09/2023 18:44	M
1,1-Dichloropropene	0.00049 U	mg/Kg	0.0034	0.00049	1	08/09/2023 06:30	08/09/2023 18:44	M
1,2,3-Trichlorobenzene	0.00090 U	mg/Kg	0.0034	0.00090	1	08/09/2023 06:30	08/09/2023 18:44	M
1,2,3-Trichloropropane	0.00090 U	mg/Kg	0.0034	0.00090	1	08/09/2023 06:30	08/09/2023 18:44	M
1,2,4-Trichlorobenzene	0.00091 U	mg/Kg	0.0034	0.00091	1	08/09/2023 06:30	08/09/2023 18:44	M
1,2,4-Trimethylbenzene	0.00089 U	mg/Kg	0.0034	0.00089	1	08/09/2023 06:30	08/09/2023 18:44	M
1,2-Dibromo-3-Chloropropane	0.00068 U	mg/Kg	0.0034	0.00068	1	08/09/2023 06:30	08/09/2023 18:44	M
1,2-Dichlorobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/09/2023 06:30	08/09/2023 18:44	M
1,2-Dichloroethane	0.00041 U	mg/Kg	0.0034	0.00041	1	08/09/2023 06:30	08/09/2023 18:44	M
1,2-Dichloropropane	0.00065 U	mg/Kg	0.0034	0.00065	1	08/09/2023 06:30	08/09/2023 18:44	M
1,3,5-Trimethylbenzene	0.00095 U	mg/Kg	0.0034	0.00095	1	08/09/2023 06:30	08/09/2023 18:44	M
1,3-Dichlorobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/09/2023 06:30	08/09/2023 18:44	M
1,3-Dichloropropane	0.00056 U	mg/Kg	0.0034	0.00056	1	08/09/2023 06:30	08/09/2023 18:44	M
1,4-Dichlorobenzene	0.0013 U	mg/Kg	0.0034	0.0013	1	08/09/2023 06:30	08/09/2023 18:44	M
2,2-Dichloropropane	0.00038 U	mg/Kg	0.0034	0.00038	1	08/09/2023 06:30	08/09/2023 18:44	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343013
Sample ID: SB-6.05

Date Collected: 08/02/2023 09:30
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00084 U	mg/Kg	0.0034	0.00084	1	08/09/2023 06:30	08/09/2023 18:44	M
2-Chloroethyl Vinyl Ether	0.0017 U	mg/Kg	0.0034	0.0017	1	08/09/2023 06:30	08/09/2023 18:44	M
2-Chlorotoluene	0.00086 U	mg/Kg	0.0034	0.00086	1	08/09/2023 06:30	08/09/2023 18:44	M
2-Hexanone	0.00065 U	mg/Kg	0.0034	0.00065	1	08/09/2023 06:30	08/09/2023 18:44	M
4-Chlorotoluene	0.0013 U	mg/Kg	0.0034	0.0013	1	08/09/2023 06:30	08/09/2023 18:44	M
4-Methyl-2-pentanone (MIBK)	0.00094 U	mg/Kg	0.0034	0.00094	1	08/09/2023 06:30	08/09/2023 18:44	M
Acetone	0.0012 U	mg/Kg	0.0034	0.0012	1	08/09/2023 06:30	08/09/2023 18:44	M
Acrolein (Propenal)	0.0089 U	mg/Kg	0.017	0.0089	1	08/09/2023 06:30	08/09/2023 18:44	M
Acrylonitrile	0.0015 U	mg/Kg	0.0034	0.0015	1	08/09/2023 06:30	08/09/2023 18:44	M
Benzene	0.00034 U	mg/Kg	0.0034	0.00034	1	08/09/2023 06:30	08/09/2023 18:44	M
Bromobenzene	0.0012 U	mg/Kg	0.0034	0.0012	1	08/09/2023 06:30	08/09/2023 18:44	M
Bromochloromethane	0.00072 U	mg/Kg	0.0034	0.00072	1	08/09/2023 06:30	08/09/2023 18:44	M
Bromodichloromethane	0.00086 U	mg/Kg	0.0034	0.00086	1	08/09/2023 06:30	08/09/2023 18:44	M
Bromoform	0.0010 U	mg/Kg	0.0034	0.0010	1	08/09/2023 06:30	08/09/2023 18:44	M
Bromomethane	0.0024 U	mg/Kg	0.0034	0.0024	1	08/09/2023 06:30	08/09/2023 18:44	M
Carbon Disulfide	0.00062 U	mg/Kg	0.0034	0.00062	1	08/09/2023 06:30	08/09/2023 18:44	M
Carbon Tetrachloride	0.00050 U	mg/Kg	0.0034	0.00050	1	08/09/2023 06:30	08/09/2023 18:44	M
Chlorobenzene	0.00042 U	mg/Kg	0.0034	0.00042	1	08/09/2023 06:30	08/09/2023 18:44	M
Chloroethane	0.0013 U	mg/Kg	0.0034	0.0013	1	08/09/2023 06:30	08/09/2023 18:44	M
Chloroform	0.00055 U	mg/Kg	0.0034	0.00055	1	08/09/2023 06:30	08/09/2023 18:44	M
Chloromethane	0.00084 U	mg/Kg	0.0034	0.00084	1	08/09/2023 06:30	08/09/2023 18:44	M
Dibromochloromethane	0.00048 U	mg/Kg	0.0034	0.00048	1	08/09/2023 06:30	08/09/2023 18:44	M
Dibromomethane	0.00065 U	mg/Kg	0.0034	0.00065	1	08/09/2023 06:30	08/09/2023 18:44	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0034	0.0011	1	08/09/2023 06:30	08/09/2023 18:44	M

Thursday, August 10, 2023 5:03:05 PM
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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343013
Sample ID: SB-6.05

Date Collected: 08/02/2023 09:30
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/09/2023 06:30	08/09/2023 18:44	M
Ethylene Dibromide (EDB)	0.00063 U	mg/Kg	0.0034	0.00063	1	08/09/2023 06:30	08/09/2023 18:44	M
Hexachlorobutadiene	0.00084 U	mg/Kg	0.0034	0.00084	1	08/09/2023 06:30	08/09/2023 18:44	M
Iodomethane (Methyl Iodide)	0.0024 U	mg/Kg	0.0034	0.0024	1	08/09/2023 06:30	08/09/2023 18:44	M
Isopropylbenzene	0.00077 U	mg/Kg	0.0034	0.00077	1	08/09/2023 06:30	08/09/2023 18:44	M
Methyl tert-butyl Ether (MTBE)	0.00049 U	mg/Kg	0.0034	0.00049	1	08/09/2023 06:30	08/09/2023 18:44	M
Methylene Chloride	0.0014 U	mg/Kg	0.0034	0.0014	1	08/09/2023 06:30	08/09/2023 18:44	M
Naphthalene	0.00076 U	mg/Kg	0.0034	0.00076	1	08/09/2023 06:30	08/09/2023 18:44	M
Styrene	0.00037 U	mg/Kg	0.0034	0.00037	1	08/09/2023 06:30	08/09/2023 18:44	M
Tetrachloroethylene (PCE)	0.00070 U	mg/Kg	0.0034	0.00070	1	08/09/2023 06:30	08/09/2023 18:44	M
Toluene	0.00052 U	mg/Kg	0.0034	0.00052	1	08/09/2023 06:30	08/09/2023 18:44	M
Trichloroethene	0.00066 U	mg/Kg	0.0034	0.00066	1	08/09/2023 06:30	08/09/2023 18:44	M
Trichlorofluoromethane	0.00047 U	mg/Kg	0.0034	0.00047	1	08/09/2023 06:30	08/09/2023 18:44	M
Vinyl Acetate	0.00050 U	mg/Kg	0.0034	0.00050	1	08/09/2023 06:30	08/09/2023 18:44	M
Vinyl Chloride	0.00058 U	mg/Kg	0.0034	0.00058	1	08/09/2023 06:30	08/09/2023 18:44	M
Xylene (Total)	0.0012 U	mg/Kg	0.0068	0.0012	1	08/09/2023 06:30	08/09/2023 18:44	M
cis-1,2-Dichloroethylene	0.00051 U	mg/Kg	0.0034	0.00051	1	08/09/2023 06:30	08/09/2023 18:44	M
cis-1,3-Dichloropropene	0.00041 U	mg/Kg	0.0034	0.00041	1	08/09/2023 06:30	08/09/2023 18:44	M
n-Butylbenzene	0.00080 U	mg/Kg	0.0034	0.00080	1	08/09/2023 06:30	08/09/2023 18:44	M
n-propylbenzene	0.00087 U	mg/Kg	0.0034	0.00087	1	08/09/2023 06:30	08/09/2023 18:44	M
sec-butylbenzene	0.00092 U	mg/Kg	0.0034	0.00092	1	08/09/2023 06:30	08/09/2023 18:44	M
tert-butylbenzene	0.00080 U	mg/Kg	0.0034	0.00080	1	08/09/2023 06:30	08/09/2023 18:44	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343013
Sample ID: SB-6.05

Date Collected: 08/02/2023 09:30
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00054 U	mg/Kg	0.0034	0.00054	1	08/09/2023 06:30	08/09/2023 18:44	M
trans-1,3-Dichloropropylene	0.00043 U	mg/Kg	0.0034	0.00043	1	08/09/2023 06:30	08/09/2023 18:44	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	55	63	114	69 - 134	M
Toluene-d8 (S)	ug/Kg	55	57	103	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	55	63	114	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID:	M2304343014	Date Collected:	08/02/2023 09:35			Matrix:	Soil	
Sample ID:	SB-6.2	Date Received:	08/02/2023 15:54					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	2.2	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/09/2023 13:35	08/10/2023 10:25	M
1,1,1-Trichloroethane	0.00055 U	mg/Kg	0.0031	0.00055	1	08/09/2023 13:35	08/10/2023 10:25	M
1,1,2,2-Tetrachloroethane	0.00089 U	mg/Kg	0.0031	0.00089	1	08/09/2023 13:35	08/10/2023 10:25	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 13:35	08/10/2023 10:25	M
1,1-Dichloroethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/09/2023 13:35	08/10/2023 10:25	M
1,1-Dichloroethylene	0.00054 U	mg/Kg	0.0031	0.00054	1	08/09/2023 13:35	08/10/2023 10:25	M
1,1-Dichloropropene	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 13:35	08/10/2023 10:25	M
1,2,3-Trichlorobenzene	0.00083 U	mg/Kg	0.0031	0.00083	1	08/09/2023 13:35	08/10/2023 10:25	M
1,2,3-Trichloropropane	0.00082 U	mg/Kg	0.0031	0.00082	1	08/09/2023 13:35	08/10/2023 10:25	M
1,2,4-Trichlorobenzene	0.00084 U	mg/Kg	0.0031	0.00084	1	08/09/2023 13:35	08/10/2023 10:25	M
1,2,4-Trimethylbenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/09/2023 13:35	08/10/2023 10:25	M
1,2-Dibromo-3-Chloropropane	0.00063 U	mg/Kg	0.0031	0.00063	1	08/09/2023 13:35	08/10/2023 10:25	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 13:35	08/10/2023 10:25	M
1,2-Dichloroethane	0.00038 U	mg/Kg	0.0031	0.00038	1	08/09/2023 13:35	08/10/2023 10:25	M
1,2-Dichloropropane	0.00060 U	mg/Kg	0.0031	0.00060	1	08/09/2023 13:35	08/10/2023 10:25	M
1,3,5-Trimethylbenzene	0.00087 U	mg/Kg	0.0031	0.00087	1	08/09/2023 13:35	08/10/2023 10:25	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 13:35	08/10/2023 10:25	M
1,3-Dichloropropane	0.00051 U	mg/Kg	0.0031	0.00051	1	08/09/2023 13:35	08/10/2023 10:25	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 13:35	08/10/2023 10:25	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/09/2023 13:35	08/10/2023 10:25	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343014
Sample ID: SB-6.2

Date Collected: 08/02/2023 09:35
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 13:35	08/10/2023 10:25	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0031	0.0016	1	08/09/2023 13:35	08/10/2023 10:25	M
2-Chlorotoluene	0.00078 U	mg/Kg	0.0031	0.00078	1	08/09/2023 13:35	08/10/2023 10:25	M
2-Hexanone	0.00060 U	mg/Kg	0.0031	0.00060	1	08/09/2023 13:35	08/10/2023 10:25	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 13:35	08/10/2023 10:25	M
4-Methyl-2-pentanone (MIBK)	0.00086 U	mg/Kg	0.0031	0.00086	1	08/09/2023 13:35	08/10/2023 10:25	M
Acetone	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 13:35	08/10/2023 10:25	M
Acrolein (Propenal)	0.0081 U	mg/Kg	0.016	0.0081	1	08/09/2023 13:35	08/10/2023 10:25	M
Acrylonitrile	0.0014 U	mg/Kg	0.0031	0.0014	1	08/09/2023 13:35	08/10/2023 10:25	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/09/2023 13:35	08/10/2023 10:25	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 13:35	08/10/2023 10:25	M
Bromochloromethane	0.00066 U	mg/Kg	0.0031	0.00066	1	08/09/2023 13:35	08/10/2023 10:25	M
Bromodichloromethane	0.00078 U	mg/Kg	0.0031	0.00078	1	08/09/2023 13:35	08/10/2023 10:25	M
Bromoform	0.00092 U	mg/Kg	0.0031	0.00092	1	08/09/2023 13:35	08/10/2023 10:25	M
Bromomethane	0.0022 U	mg/Kg	0.0031	0.0022	1	08/09/2023 13:35	08/10/2023 10:25	M
Carbon Disulfide	0.00056 U	mg/Kg	0.0031	0.00056	1	08/09/2023 13:35	08/10/2023 10:25	M
Carbon Tetrachloride	0.00046 U	mg/Kg	0.0031	0.00046	1	08/09/2023 13:35	08/10/2023 10:25	M
Chlorobenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/09/2023 13:35	08/10/2023 10:25	M
Chloroethane	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 13:35	08/10/2023 10:25	M
Chloroform	0.00050 U	mg/Kg	0.0031	0.00050	1	08/09/2023 13:35	08/10/2023 10:25	M
Chloromethane	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 13:35	08/10/2023 10:25	M
Dibromochloromethane	0.00044 U	mg/Kg	0.0031	0.00044	1	08/09/2023 13:35	08/10/2023 10:25	M
Dibromomethane	0.00060 U	mg/Kg	0.0031	0.00060	1	08/09/2023 13:35	08/10/2023 10:25	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/09/2023 13:35	08/10/2023 10:25	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343014
Sample ID: SB-6.2

Date Collected: 08/02/2023 09:35
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00040 U	mg/Kg	0.0031	0.00040	1	08/09/2023 13:35	08/10/2023 10:25	M
Ethylene Dibromide (EDB)	0.00057 U	mg/Kg	0.0031	0.00057	1	08/09/2023 13:35	08/10/2023 10:25	M
Hexachlorobutadiene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 13:35	08/10/2023 10:25	M
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0031	0.0022	1	08/09/2023 13:35	08/10/2023 10:25	M
Isopropylbenzene	0.00071 U	mg/Kg	0.0031	0.00071	1	08/09/2023 13:35	08/10/2023 10:25	M
Methyl tert-butyl Ether (MTBE)	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 13:35	08/10/2023 10:25	M
Methylene Chloride	0.0013 U	mg/Kg	0.0031	0.0013	1	08/09/2023 13:35	08/10/2023 10:25	M
Naphthalene	0.00070 U	mg/Kg	0.0031	0.00070	1	08/09/2023 13:35	08/10/2023 10:25	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 13:35	08/10/2023 10:25	M
Tetrachloroethylene (PCE)	0.00064 U	mg/Kg	0.0031	0.00064	1	08/09/2023 13:35	08/10/2023 10:25	M
Toluene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/09/2023 13:35	08/10/2023 10:25	M
Trichloroethene	0.00061 U	mg/Kg	0.0031	0.00061	1	08/09/2023 13:35	08/10/2023 10:25	M
Trichlorofluoromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/09/2023 13:35	08/10/2023 10:25	M
Vinyl Acetate	0.00046 U	mg/Kg	0.0031	0.00046	1	08/09/2023 13:35	08/10/2023 10:25	M
Vinyl Chloride	0.00053 U	mg/Kg	0.0031	0.00053	1	08/09/2023 13:35	08/10/2023 10:25	M
Xylene (Total)	0.0011 U	mg/Kg	0.0063	0.0011	1	08/09/2023 13:35	08/10/2023 10:25	M
cis-1,2-Dichloroethylene	0.00047 U	mg/Kg	0.0031	0.00047	1	08/09/2023 13:35	08/10/2023 10:25	M
cis-1,3-Dichloropropene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/09/2023 13:35	08/10/2023 10:25	M
n-Butylbenzene	0.00073 U	mg/Kg	0.0031	0.00073	1	08/09/2023 13:35	08/10/2023 10:25	M
n-propylbenzene	0.00079 U	mg/Kg	0.0031	0.00079	1	08/09/2023 13:35	08/10/2023 10:25	M
sec-butylbenzene	0.00085 U	mg/Kg	0.0031	0.00085	1	08/09/2023 13:35	08/10/2023 10:25	M
tert-butylbenzene	0.00073 U	mg/Kg	0.0031	0.00073	1	08/09/2023 13:35	08/10/2023 10:25	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343014	Date Collected: 08/02/2023 09:35	Matrix: Soil
Sample ID: SB-6.2	Date Received: 08/02/2023 15:54	

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00049 U	mg/Kg	0.0031	0.00049	1	08/09/2023 13:35	08/10/2023 10:25	M
trans-1,3-Dichloropropylene	0.00040 U	mg/Kg	0.0031	0.00040	1	08/09/2023 13:35	08/10/2023 10:25	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51	58	113	69 - 134	M
Toluene-d8 (S)	ug/Kg	51	52	102	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	51	57	111	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343015	Date Collected: 08/02/2023 09:40			Matrix: Soil				
Sample ID: SB-6.4	Date Received: 08/02/2023 15:54							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.9	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00033 U	mg/Kg	0.0025	0.00033	1	08/09/2023 13:35	08/10/2023 10:52	M
1,1,1-Trichloroethane	0.00044 U	mg/Kg	0.0025	0.00044	1	08/09/2023 13:35	08/10/2023 10:52	M
1,1,2,2-Tetrachloroethane	0.00070 U	mg/Kg	0.0025	0.00070	1	08/09/2023 13:35	08/10/2023 10:52	M
1,1,2-Trichloroethane	0.00026 U	mg/Kg	0.0025	0.00026	1	08/09/2023 13:35	08/10/2023 10:52	M
1,1-Dichloroethane	0.00034 U	mg/Kg	0.0025	0.00034	1	08/09/2023 13:35	08/10/2023 10:52	M
1,1-Dichloroethylene	0.00043 U	mg/Kg	0.0025	0.00043	1	08/09/2023 13:35	08/10/2023 10:52	M
1,1-Dichloropropene	0.00035 U	mg/Kg	0.0025	0.00035	1	08/09/2023 13:35	08/10/2023 10:52	M
1,2,3-Trichlorobenzene	0.00065 U	mg/Kg	0.0025	0.00065	1	08/09/2023 13:35	08/10/2023 10:52	M
1,2,3-Trichloropropane	0.00065 U	mg/Kg	0.0025	0.00065	1	08/09/2023 13:35	08/10/2023 10:52	M
1,2,4-Trichlorobenzene	0.00066 U	mg/Kg	0.0025	0.00066	1	08/09/2023 13:35	08/10/2023 10:52	M
1,2,4-Trimethylbenzene	0.00064 U	mg/Kg	0.0025	0.00064	1	08/09/2023 13:35	08/10/2023 10:52	M
1,2-Dibromo-3-Chloropropane	0.00049 U	mg/Kg	0.0025	0.00049	1	08/09/2023 13:35	08/10/2023 10:52	M
1,2-Dichlorobenzene	0.00089 U	mg/Kg	0.0025	0.00089	1	08/09/2023 13:35	08/10/2023 10:52	M
1,2-Dichloroethane	0.00030 U	mg/Kg	0.0025	0.00030	1	08/09/2023 13:35	08/10/2023 10:52	M
1,2-Dichloropropane	0.00047 U	mg/Kg	0.0025	0.00047	1	08/09/2023 13:35	08/10/2023 10:52	M
1,3,5-Trimethylbenzene	0.00068 U	mg/Kg	0.0025	0.00068	1	08/09/2023 13:35	08/10/2023 10:52	M
1,3-Dichlorobenzene	0.00085 U	mg/Kg	0.0025	0.00085	1	08/09/2023 13:35	08/10/2023 10:52	M
1,3-Dichloropropane	0.00040 U	mg/Kg	0.0025	0.00040	1	08/09/2023 13:35	08/10/2023 10:52	M
1,4-Dichlorobenzene	0.00091 U	mg/Kg	0.0025	0.00091	1	08/09/2023 13:35	08/10/2023 10:52	M
2,2-Dichloropropane	0.00027 U	mg/Kg	0.0025	0.00027	1	08/09/2023 13:35	08/10/2023 10:52	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343015
Sample ID: SB-6.4

Date Collected: 08/02/2023 09:40
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00061 U	mg/Kg	0.0025	0.00061	1	08/09/2023 13:35	08/10/2023 10:52	M
2-Chloroethyl Vinyl Ether	0.0012 U	mg/Kg	0.0025	0.0012	1	08/09/2023 13:35	08/10/2023 10:52	M
2-Chlorotoluene	0.00062 U	mg/Kg	0.0025	0.00062	1	08/09/2023 13:35	08/10/2023 10:52	M
2-Hexanone	0.00047 U	mg/Kg	0.0025	0.00047	1	08/09/2023 13:35	08/10/2023 10:52	M
4-Chlorotoluene	0.00093 U	mg/Kg	0.0025	0.00093	1	08/09/2023 13:35	08/10/2023 10:52	M
4-Methyl-2-pentanone (MIBK)	0.00068 U	mg/Kg	0.0025	0.00068	1	08/09/2023 13:35	08/10/2023 10:52	M
Acetone	0.00085 U	mg/Kg	0.0025	0.00085	1	08/09/2023 13:35	08/10/2023 10:52	M
Acrolein (Propenal)	0.0064 U	mg/Kg	0.012	0.0064	1	08/09/2023 13:35	08/10/2023 10:52	M
Acrylonitrile	0.0011 U	mg/Kg	0.0025	0.0011	1	08/09/2023 13:35	08/10/2023 10:52	M
Benzene	0.00025 U	mg/Kg	0.0025	0.00025	1	08/09/2023 13:35	08/10/2023 10:52	M
Bromobenzene	0.00090 U	mg/Kg	0.0025	0.00090	1	08/09/2023 13:35	08/10/2023 10:52	M
Bromochloromethane	0.00052 U	mg/Kg	0.0025	0.00052	1	08/09/2023 13:35	08/10/2023 10:52	M
Bromodichloromethane	0.00062 U	mg/Kg	0.0025	0.00062	1	08/09/2023 13:35	08/10/2023 10:52	M
Bromoform	0.00072 U	mg/Kg	0.0025	0.00072	1	08/09/2023 13:35	08/10/2023 10:52	M
Bromomethane	0.0017 U	mg/Kg	0.0025	0.0017	1	08/09/2023 13:35	08/10/2023 10:52	M
Carbon Disulfide	0.00044 U	mg/Kg	0.0025	0.00044	1	08/09/2023 13:35	08/10/2023 10:52	M
Carbon Tetrachloride	0.00036 U	mg/Kg	0.0025	0.00036	1	08/09/2023 13:35	08/10/2023 10:52	M
Chlorobenzene	0.00030 U	mg/Kg	0.0025	0.00030	1	08/09/2023 13:35	08/10/2023 10:52	M
Chloroethane	0.00093 U	mg/Kg	0.0025	0.00093	1	08/09/2023 13:35	08/10/2023 10:52	M
Chloroform	0.00040 U	mg/Kg	0.0025	0.00040	1	08/09/2023 13:35	08/10/2023 10:52	M
Chloromethane	0.00061 U	mg/Kg	0.0025	0.00061	1	08/09/2023 13:35	08/10/2023 10:52	M
Dibromochloromethane	0.00035 U	mg/Kg	0.0025	0.00035	1	08/09/2023 13:35	08/10/2023 10:52	M
Dibromomethane	0.00047 U	mg/Kg	0.0025	0.00047	1	08/09/2023 13:35	08/10/2023 10:52	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343015
Sample ID: SB-6.4

Date Collected: 08/02/2023 09:40
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00081 U	mg/Kg	0.0025	0.00081	1	08/09/2023 13:35	08/10/2023 10:52	M
Ethylbenzene	0.00031 U	mg/Kg	0.0025	0.00031	1	08/09/2023 13:35	08/10/2023 10:52	M
Ethylene Dibromide (EDB)	0.00045 U	mg/Kg	0.0025	0.00045	1	08/09/2023 13:35	08/10/2023 10:52	M
Hexachlorobutadiene	0.00061 U	mg/Kg	0.0025	0.00061	1	08/09/2023 13:35	08/10/2023 10:52	M
Iodomethane (Methyl Iodide)	0.0017 U	mg/Kg	0.0025	0.0017	1	08/09/2023 13:35	08/10/2023 10:52	M
Isopropylbenzene	0.00056 U	mg/Kg	0.0025	0.00056	1	08/09/2023 13:35	08/10/2023 10:52	M
Methyl tert-butyl Ether (MTBE)	0.00035 U	mg/Kg	0.0025	0.00035	1	08/09/2023 13:35	08/10/2023 10:52	M
Methylene Chloride	0.0010 U	mg/Kg	0.0025	0.0010	1	08/09/2023 13:35	08/10/2023 10:52	M
Naphthalene	0.00055 U	mg/Kg	0.0025	0.00055	1	08/09/2023 13:35	08/10/2023 10:52	M
Styrene	0.00026 U	mg/Kg	0.0025	0.00026	1	08/09/2023 13:35	08/10/2023 10:52	M
Tetrachloroethylene (PCE)	0.00050 U	mg/Kg	0.0025	0.00050	1	08/09/2023 13:35	08/10/2023 10:52	M
Toluene	0.00038 U	mg/Kg	0.0025	0.00038	1	08/09/2023 13:35	08/10/2023 10:52	M
Trichloroethene	0.00048 U	mg/Kg	0.0025	0.00048	1	08/09/2023 13:35	08/10/2023 10:52	M
Trichlorofluoromethane	0.00034 U	mg/Kg	0.0025	0.00034	1	08/09/2023 13:35	08/10/2023 10:52	M
Vinyl Acetate	0.00036 U	mg/Kg	0.0025	0.00036	1	08/09/2023 13:35	08/10/2023 10:52	M
Vinyl Chloride	0.00042 U	mg/Kg	0.0025	0.00042	1	08/09/2023 13:35	08/10/2023 10:52	M
Xylene (Total)	0.00090 U	mg/Kg	0.0049	0.00090	1	08/09/2023 13:35	08/10/2023 10:52	M
cis-1,2-Dichloroethylene	0.00037 U	mg/Kg	0.0025	0.00037	1	08/09/2023 13:35	08/10/2023 10:52	M
cis-1,3-Dichloropropene	0.00030 U	mg/Kg	0.0025	0.00030	1	08/09/2023 13:35	08/10/2023 10:52	M
n-Butylbenzene	0.00058 U	mg/Kg	0.0025	0.00058	1	08/09/2023 13:35	08/10/2023 10:52	M
n-propylbenzene	0.00063 U	mg/Kg	0.0025	0.00063	1	08/09/2023 13:35	08/10/2023 10:52	M
sec-butylbenzene	0.00067 U	mg/Kg	0.0025	0.00067	1	08/09/2023 13:35	08/10/2023 10:52	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343015
Sample ID: SB-6.4

Date Collected: 08/02/2023 09:40
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00058 U	mg/Kg	0.0025	0.00058	1	08/09/2023 13:35	08/10/2023 10:52	M
trans-1,2-Dichloroethylene	0.00039 U	mg/Kg	0.0025	0.00039	1	08/09/2023 13:35	08/10/2023 10:52	M
trans-1,3-Dichloropropylene	0.00031 U	mg/Kg	0.0025	0.00031	1	08/09/2023 13:35	08/10/2023 10:52	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	40	44	111	69 - 134	M
Toluene-d8 (S)	ug/Kg	40	41	105	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	40	45	113	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID:	M2304343016	Date Collected:	08/02/2023 09:45			Matrix:	Soil		
Sample ID:	SB-6.6	Date Received:	08/02/2023 15:54						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
(SM 2540G)									
Percent Moisture	3.3	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M	
VOLATILES (SW-846 5035/SW-846 8260D)									
1,1,1,2-Tetrachloroethane	0.00043 U	mg/Kg	0.0032	0.00043	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,1,1-Trichloroethane	0.00057 U	mg/Kg	0.0032	0.00057	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,1,2,2-Tetrachloroethane	0.00091 U	mg/Kg	0.0032	0.00091	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,1,2-Trichloroethane	0.00034 U	mg/Kg	0.0032	0.00034	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,1-Dichloroethane	0.00044 U	mg/Kg	0.0032	0.00044	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,1-Dichloroethylene	0.00056 U	mg/Kg	0.0032	0.00056	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,1-Dichloropropene	0.00046 U	mg/Kg	0.0032	0.00046	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,2,3-Trichlorobenzene	0.00085 U	mg/Kg	0.0032	0.00085	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,2,3-Trichloropropane	0.00085 U	mg/Kg	0.0032	0.00085	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,2,4-Trichlorobenzene	0.00086 U	mg/Kg	0.0032	0.00086	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,2,4-Trimethylbenzene	0.00084 U	mg/Kg	0.0032	0.00084	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,2-Dibromo-3-Chloropropane	0.00064 U	mg/Kg	0.0032	0.00064	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,2-Dichlorobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,2-Dichloroethane	0.00039 U	mg/Kg	0.0032	0.00039	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,2-Dichloropropane	0.00061 U	mg/Kg	0.0032	0.00061	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,3,5-Trimethylbenzene	0.00089 U	mg/Kg	0.0032	0.00089	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0032	0.0011	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,3-Dichloropropane	0.00053 U	mg/Kg	0.0032	0.00053	1	08/09/2023 13:35	08/10/2023 11:19	M	
1,4-Dichlorobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/09/2023 13:35	08/10/2023 11:19	M	
2,2-Dichloropropane	0.00035 U	mg/Kg	0.0032	0.00035	1	08/09/2023 13:35	08/10/2023 11:19	M	





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343016
Sample ID: SB-6.6

Date Collected: 08/02/2023 09:45
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00079 U	mg/Kg	0.0032	0.00079	1	08/09/2023 13:35	08/10/2023 11:19	M
2-Chloroethyl Vinyl Ether	0.0016 U	mg/Kg	0.0032	0.0016	1	08/09/2023 13:35	08/10/2023 11:19	M
2-Chlorotoluene	0.00080 U	mg/Kg	0.0032	0.00080	1	08/09/2023 13:35	08/10/2023 11:19	M
2-Hexanone	0.00061 U	mg/Kg	0.0032	0.00061	1	08/09/2023 13:35	08/10/2023 11:19	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/09/2023 13:35	08/10/2023 11:19	M
4-Methyl-2-pentanone (MIBK)	0.00088 U	mg/Kg	0.0032	0.00088	1	08/09/2023 13:35	08/10/2023 11:19	M
Acetone	0.0011 U	mg/Kg	0.0032	0.0011	1	08/09/2023 13:35	08/10/2023 11:19	M
Acrolein (Propenal)	0.0084 U	mg/Kg	0.016	0.0084	1	08/09/2023 13:35	08/10/2023 11:19	M
Acrylonitrile	0.0014 U	mg/Kg	0.0032	0.0014	1	08/09/2023 13:35	08/10/2023 11:19	M
Benzene	0.00032 U	mg/Kg	0.0032	0.00032	1	08/09/2023 13:35	08/10/2023 11:19	M
Bromobenzene	0.0012 U	mg/Kg	0.0032	0.0012	1	08/09/2023 13:35	08/10/2023 11:19	M
Bromochloromethane	0.00068 U	mg/Kg	0.0032	0.00068	1	08/09/2023 13:35	08/10/2023 11:19	M
Bromodichloromethane	0.00080 U	mg/Kg	0.0032	0.00080	1	08/09/2023 13:35	08/10/2023 11:19	M
Bromoform	0.00094 U	mg/Kg	0.0032	0.00094	1	08/09/2023 13:35	08/10/2023 11:19	M
Bromomethane	0.0022 U	mg/Kg	0.0032	0.0022	1	08/09/2023 13:35	08/10/2023 11:19	M
Carbon Disulfide	0.00058 U	mg/Kg	0.0032	0.00058	1	08/09/2023 13:35	08/10/2023 11:19	M
Carbon Tetrachloride	0.00047 U	mg/Kg	0.0032	0.00047	1	08/09/2023 13:35	08/10/2023 11:19	M
Chlorobenzene	0.00040 U	mg/Kg	0.0032	0.00040	1	08/09/2023 13:35	08/10/2023 11:19	M
Chloroethane	0.0012 U	mg/Kg	0.0032	0.0012	1	08/09/2023 13:35	08/10/2023 11:19	M
Chloroform	0.00051 U	mg/Kg	0.0032	0.00051	1	08/09/2023 13:35	08/10/2023 11:19	M
Chloromethane	0.00079 U	mg/Kg	0.0032	0.00079	1	08/09/2023 13:35	08/10/2023 11:19	M
Dibromochloromethane	0.00045 U	mg/Kg	0.0032	0.00045	1	08/09/2023 13:35	08/10/2023 11:19	M
Dibromomethane	0.00061 U	mg/Kg	0.0032	0.00061	1	08/09/2023 13:35	08/10/2023 11:19	M
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0032	0.0011	1	08/09/2023 13:35	08/10/2023 11:19	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343016
Sample ID: SB-6.6

Date Collected: 08/02/2023 09:45
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00041 U	mg/Kg	0.0032	0.00041	1	08/09/2023 13:35	08/10/2023 11:19	M
Ethylene Dibromide (EDB)	0.00059 U	mg/Kg	0.0032	0.00059	1	08/09/2023 13:35	08/10/2023 11:19	M
Hexachlorobutadiene	0.00079 U	mg/Kg	0.0032	0.00079	1	08/09/2023 13:35	08/10/2023 11:19	M
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0032	0.0022	1	08/09/2023 13:35	08/10/2023 11:19	M
Isopropylbenzene	0.00073 U	mg/Kg	0.0032	0.00073	1	08/09/2023 13:35	08/10/2023 11:19	M
Methyl tert-butyl Ether (MTBE)	0.00046 U	mg/Kg	0.0032	0.00046	1	08/09/2023 13:35	08/10/2023 11:19	M
Methylene Chloride	0.0013 U	mg/Kg	0.0032	0.0013	1	08/09/2023 13:35	08/10/2023 11:19	M
Naphthalene	0.00072 U	mg/Kg	0.0032	0.00072	1	08/09/2023 13:35	08/10/2023 11:19	M
Styrene	0.00034 U	mg/Kg	0.0032	0.00034	1	08/09/2023 13:35	08/10/2023 11:19	M
Tetrachloroethylene (PCE)	0.00065 U	mg/Kg	0.0032	0.00065	1	08/09/2023 13:35	08/10/2023 11:19	M
Toluene	0.00049 U	mg/Kg	0.0032	0.00049	1	08/09/2023 13:35	08/10/2023 11:19	M
Trichloroethene	0.00062 U	mg/Kg	0.0032	0.00062	1	08/09/2023 13:35	08/10/2023 11:19	M
Trichlorofluoromethane	0.00044 U	mg/Kg	0.0032	0.00044	1	08/09/2023 13:35	08/10/2023 11:19	M
Vinyl Acetate	0.00047 U	mg/Kg	0.0032	0.00047	1	08/09/2023 13:35	08/10/2023 11:19	M
Vinyl Chloride	0.00055 U	mg/Kg	0.0032	0.00055	1	08/09/2023 13:35	08/10/2023 11:19	M
Xylene (Total)	0.0012 U	mg/Kg	0.0064	0.0012	1	08/09/2023 13:35	08/10/2023 11:19	M
cis-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0032	0.00048	1	08/09/2023 13:35	08/10/2023 11:19	M
cis-1,3-Dichloropropene	0.00039 U	mg/Kg	0.0032	0.00039	1	08/09/2023 13:35	08/10/2023 11:19	M
n-Butylbenzene	0.00075 U	mg/Kg	0.0032	0.00075	1	08/09/2023 13:35	08/10/2023 11:19	M
n-propylbenzene	0.00082 U	mg/Kg	0.0032	0.00082	1	08/09/2023 13:35	08/10/2023 11:19	M
sec-butylbenzene	0.00087 U	mg/Kg	0.0032	0.00087	1	08/09/2023 13:35	08/10/2023 11:19	M
tert-butylbenzene	0.00075 U	mg/Kg	0.0032	0.00075	1	08/09/2023 13:35	08/10/2023 11:19	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343016
Sample ID: SB-6.6

Date Collected: 08/02/2023 09:45
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00050 U	mg/Kg	0.0032	0.00050	1	08/09/2023 13:35	08/10/2023 11:19	M
trans-1,3-Dichloropropylene	0.00041 U	mg/Kg	0.0032	0.00041	1	08/09/2023 13:35	08/10/2023 11:19	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	52	59	113	69 - 134	M
Toluene-d8 (S)	ug/Kg	52	54	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	52	56	107	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343017	Date Collected: 08/02/2023 09:00			Matrix: Soil				
Sample ID: SB-7.05	Date Received: 08/02/2023 15:54							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	4.5	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00038 U	mg/Kg	0.0029	0.00038	1	08/09/2023 13:35	08/10/2023 11:47	M
1,1,1-Trichloroethane	0.00050 U	mg/Kg	0.0029	0.00050	1	08/09/2023 13:35	08/10/2023 11:47	M
1,1,2,2-Tetrachloroethane	0.00081 U	mg/Kg	0.0029	0.00081	1	08/09/2023 13:35	08/10/2023 11:47	M
1,1,2-Trichloroethane	0.00030 U	mg/Kg	0.0029	0.00030	1	08/09/2023 13:35	08/10/2023 11:47	M
1,1-Dichloroethane	0.00039 U	mg/Kg	0.0029	0.00039	1	08/09/2023 13:35	08/10/2023 11:47	M
1,1-Dichloroethylene	0.00050 U	mg/Kg	0.0029	0.00050	1	08/09/2023 13:35	08/10/2023 11:47	M
1,1-Dichloropropene	0.00041 U	mg/Kg	0.0029	0.00041	1	08/09/2023 13:35	08/10/2023 11:47	M
1,2,3-Trichlorobenzene	0.00075 U	mg/Kg	0.0029	0.00075	1	08/09/2023 13:35	08/10/2023 11:47	M
1,2,3-Trichloropropane	0.00075 U	mg/Kg	0.0029	0.00075	1	08/09/2023 13:35	08/10/2023 11:47	M
1,2,4-Trichlorobenzene	0.00076 U	mg/Kg	0.0029	0.00076	1	08/09/2023 13:35	08/10/2023 11:47	M
1,2,4-Trimethylbenzene	0.00074 U	mg/Kg	0.0029	0.00074	1	08/09/2023 13:35	08/10/2023 11:47	M
1,2-Dibromo-3-Chloropropane	0.00057 U	mg/Kg	0.0029	0.00057	1	08/09/2023 13:35	08/10/2023 11:47	M
1,2-Dichlorobenzene	0.0010 U	mg/Kg	0.0029	0.0010	1	08/09/2023 13:35	08/10/2023 11:47	M
1,2-Dichloroethane	0.00034 U	mg/Kg	0.0029	0.00034	1	08/09/2023 13:35	08/10/2023 11:47	M
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0029	0.00054	1	08/09/2023 13:35	08/10/2023 11:47	M
1,3,5-Trimethylbenzene	0.00079 U	mg/Kg	0.0029	0.00079	1	08/09/2023 13:35	08/10/2023 11:47	M
1,3-Dichlorobenzene	0.00098 U	mg/Kg	0.0029	0.00098	1	08/09/2023 13:35	08/10/2023 11:47	M
1,3-Dichloropropane	0.00047 U	mg/Kg	0.0029	0.00047	1	08/09/2023 13:35	08/10/2023 11:47	M
1,4-Dichlorobenzene	0.0010 U	mg/Kg	0.0029	0.0010	1	08/09/2023 13:35	08/10/2023 11:47	M
2,2-Dichloropropane	0.00031 U	mg/Kg	0.0029	0.00031	1	08/09/2023 13:35	08/10/2023 11:47	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343017
Sample ID: SB-7.05

Date Collected: 08/02/2023 09:00
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00070 U	mg/Kg	0.0029	0.00070	1	08/09/2023 13:35	08/10/2023 11:47	M
2-Chloroethyl Vinyl Ether	0.0014 U	mg/Kg	0.0029	0.0014	1	08/09/2023 13:35	08/10/2023 11:47	M
2-Chlorotoluene	0.00071 U	mg/Kg	0.0029	0.00071	1	08/09/2023 13:35	08/10/2023 11:47	M
2-Hexanone	0.00054 U	mg/Kg	0.0029	0.00054	1	08/09/2023 13:35	08/10/2023 11:47	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0029	0.0011	1	08/09/2023 13:35	08/10/2023 11:47	M
4-Methyl-2-pentanone (MIBK)	0.00078 U	mg/Kg	0.0029	0.00078	1	08/09/2023 13:35	08/10/2023 11:47	M
Acetone	0.00098 U	mg/Kg	0.0029	0.00098	1	08/09/2023 13:35	08/10/2023 11:47	M
Acrolein (Propenal)	0.0074 U	mg/Kg	0.014	0.0074	1	08/09/2023 13:35	08/10/2023 11:47	M
Acrylonitrile	0.0012 U	mg/Kg	0.0029	0.0012	1	08/09/2023 13:35	08/10/2023 11:47	M
Benzene	0.00029 U	mg/Kg	0.0029	0.00029	1	08/09/2023 13:35	08/10/2023 11:47	M
Bromobenzene	0.0010 U	mg/Kg	0.0029	0.0010	1	08/09/2023 13:35	08/10/2023 11:47	M
Bromochloromethane	0.00060 U	mg/Kg	0.0029	0.00060	1	08/09/2023 13:35	08/10/2023 11:47	M
Bromodichloromethane	0.00071 U	mg/Kg	0.0029	0.00071	1	08/09/2023 13:35	08/10/2023 11:47	M
Bromoform	0.00084 U	mg/Kg	0.0029	0.00084	1	08/09/2023 13:35	08/10/2023 11:47	M
Bromomethane	0.0020 U	mg/Kg	0.0029	0.0020	1	08/09/2023 13:35	08/10/2023 11:47	M
Carbon Disulfide	0.00051 U	mg/Kg	0.0029	0.00051	1	08/09/2023 13:35	08/10/2023 11:47	M
Carbon Tetrachloride	0.00042 U	mg/Kg	0.0029	0.00042	1	08/09/2023 13:35	08/10/2023 11:47	M
Chlorobenzene	0.00035 U	mg/Kg	0.0029	0.00035	1	08/09/2023 13:35	08/10/2023 11:47	M
Chloroethane	0.0011 U	mg/Kg	0.0029	0.0011	1	08/09/2023 13:35	08/10/2023 11:47	M
Chloroform	0.00046 U	mg/Kg	0.0029	0.00046	1	08/09/2023 13:35	08/10/2023 11:47	M
Chloromethane	0.00070 U	mg/Kg	0.0029	0.00070	1	08/09/2023 13:35	08/10/2023 11:47	M
Dibromochloromethane	0.00040 U	mg/Kg	0.0029	0.00040	1	08/09/2023 13:35	08/10/2023 11:47	M
Dibromomethane	0.00054 U	mg/Kg	0.0029	0.00054	1	08/09/2023 13:35	08/10/2023 11:47	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343017
Sample ID: SB-7.05

Date Collected: 08/02/2023 09:00
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00093 U	mg/Kg	0.0029	0.00093	1	08/09/2023 13:35	08/10/2023 11:47	M
Ethylbenzene	0.00036 U	mg/Kg	0.0029	0.00036	1	08/09/2023 13:35	08/10/2023 11:47	M
Ethylene Dibromide (EDB)	0.00052 U	mg/Kg	0.0029	0.00052	1	08/09/2023 13:35	08/10/2023 11:47	M
Hexachlorobutadiene	0.00070 U	mg/Kg	0.0029	0.00070	1	08/09/2023 13:35	08/10/2023 11:47	M
Iodomethane (Methyl Iodide)	0.0020 U	mg/Kg	0.0029	0.0020	1	08/09/2023 13:35	08/10/2023 11:47	M
Isopropylbenzene	0.00064 U	mg/Kg	0.0029	0.00064	1	08/09/2023 13:35	08/10/2023 11:47	M
Methyl tert-butyl Ether (MTBE)	0.00041 U	mg/Kg	0.0029	0.00041	1	08/09/2023 13:35	08/10/2023 11:47	M
Methylene Chloride	0.0012 U	mg/Kg	0.0029	0.0012	1	08/09/2023 13:35	08/10/2023 11:47	M
Naphthalene	0.00064 U	mg/Kg	0.0029	0.00064	1	08/09/2023 13:35	08/10/2023 11:47	M
Styrene	0.00030 U	mg/Kg	0.0029	0.00030	1	08/09/2023 13:35	08/10/2023 11:47	M
Tetrachloroethylene (PCE)	0.00058 U	mg/Kg	0.0029	0.00058	1	08/09/2023 13:35	08/10/2023 11:47	M
Toluene	0.00044 U	mg/Kg	0.0029	0.00044	1	08/09/2023 13:35	08/10/2023 11:47	M
Trichloroethene	0.00055 U	mg/Kg	0.0029	0.00055	1	08/09/2023 13:35	08/10/2023 11:47	M
Trichlorofluoromethane	0.00039 U	mg/Kg	0.0029	0.00039	1	08/09/2023 13:35	08/10/2023 11:47	M
Vinyl Acetate	0.00042 U	mg/Kg	0.0029	0.00042	1	08/09/2023 13:35	08/10/2023 11:47	M
Vinyl Chloride	0.00049 U	mg/Kg	0.0029	0.00049	1	08/09/2023 13:35	08/10/2023 11:47	M
Xylene (Total)	0.0010 U	mg/Kg	0.0057	0.0010	1	08/09/2023 13:35	08/10/2023 11:47	M
cis-1,2-Dichloroethylene	0.00043 U	mg/Kg	0.0029	0.00043	1	08/09/2023 13:35	08/10/2023 11:47	M
cis-1,3-Dichloropropene	0.00034 U	mg/Kg	0.0029	0.00034	1	08/09/2023 13:35	08/10/2023 11:47	M
n-Butylbenzene	0.00067 U	mg/Kg	0.0029	0.00067	1	08/09/2023 13:35	08/10/2023 11:47	M
n-propylbenzene	0.00072 U	mg/Kg	0.0029	0.00072	1	08/09/2023 13:35	08/10/2023 11:47	M
sec-butylbenzene	0.00077 U	mg/Kg	0.0029	0.00077	1	08/09/2023 13:35	08/10/2023 11:47	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343017
Sample ID: SB-7.05

Date Collected: 08/02/2023 09:00
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00067 U	mg/Kg	0.0029	0.00067	1	08/09/2023 13:35	08/10/2023 11:47	M
trans-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0029	0.00045	1	08/09/2023 13:35	08/10/2023 11:47	M
trans-1,3-Dichloropropylene	0.00036 U	mg/Kg	0.0029	0.00036	1	08/09/2023 13:35	08/10/2023 11:47	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	45	52	115	69 - 134	M
Toluene-d8 (S)	ug/Kg	45	47	103	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	45	51	113	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343018	Date Collected: 08/02/2023 09:05			Matrix: Soil				
Sample ID: SB-7.2	Date Received: 08/02/2023 15:54							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.3	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0031	0.00041	1	08/09/2023 13:35	08/10/2023 12:14	M
1,1,1-Trichloroethane	0.00054 U	mg/Kg	0.0031	0.00054	1	08/09/2023 13:35	08/10/2023 12:14	M
1,1,2,2-Tetrachloroethane	0.00087 U	mg/Kg	0.0031	0.00087	1	08/09/2023 13:35	08/10/2023 12:14	M
1,1,2-Trichloroethane	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 13:35	08/10/2023 12:14	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/09/2023 13:35	08/10/2023 12:14	M
1,1-Dichloroethylene	0.00053 U	mg/Kg	0.0031	0.00053	1	08/09/2023 13:35	08/10/2023 12:14	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0031	0.00044	1	08/09/2023 13:35	08/10/2023 12:14	M
1,2,3-Trichlorobenzene	0.00081 U	mg/Kg	0.0031	0.00081	1	08/09/2023 13:35	08/10/2023 12:14	M
1,2,3-Trichloropropane	0.00081 U	mg/Kg	0.0031	0.00081	1	08/09/2023 13:35	08/10/2023 12:14	M
1,2,4-Trichlorobenzene	0.00082 U	mg/Kg	0.0031	0.00082	1	08/09/2023 13:35	08/10/2023 12:14	M
1,2,4-Trimethylbenzene	0.00080 U	mg/Kg	0.0031	0.00080	1	08/09/2023 13:35	08/10/2023 12:14	M
1,2-Dibromo-3-Chloropropane	0.00061 U	mg/Kg	0.0031	0.00061	1	08/09/2023 13:35	08/10/2023 12:14	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 13:35	08/10/2023 12:14	M
1,2-Dichloroethane	0.00037 U	mg/Kg	0.0031	0.00037	1	08/09/2023 13:35	08/10/2023 12:14	M
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/09/2023 13:35	08/10/2023 12:14	M
1,3,5-Trimethylbenzene	0.00085 U	mg/Kg	0.0031	0.00085	1	08/09/2023 13:35	08/10/2023 12:14	M
1,3-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 13:35	08/10/2023 12:14	M
1,3-Dichloropropane	0.00050 U	mg/Kg	0.0031	0.00050	1	08/09/2023 13:35	08/10/2023 12:14	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 13:35	08/10/2023 12:14	M
2,2-Dichloropropane	0.00034 U	mg/Kg	0.0031	0.00034	1	08/09/2023 13:35	08/10/2023 12:14	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343018
Sample ID: SB-7.2

Date Collected: 08/02/2023 09:05
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00076 U	mg/Kg	0.0031	0.00076	1	08/09/2023 13:35	08/10/2023 12:14	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0031	0.0015	1	08/09/2023 13:35	08/10/2023 12:14	M
2-Chlorotoluene	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 13:35	08/10/2023 12:14	M
2-Hexanone	0.00058 U	mg/Kg	0.0031	0.00058	1	08/09/2023 13:35	08/10/2023 12:14	M
4-Chlorotoluene	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 13:35	08/10/2023 12:14	M
4-Methyl-2-pentanone (MIBK)	0.00084 U	mg/Kg	0.0031	0.00084	1	08/09/2023 13:35	08/10/2023 12:14	M
Acetone	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 13:35	08/10/2023 12:14	M
Acrolein (Propenal)	0.0080 U	mg/Kg	0.015	0.0080	1	08/09/2023 13:35	08/10/2023 12:14	M
Acrylonitrile	0.0013 U	mg/Kg	0.0031	0.0013	1	08/09/2023 13:35	08/10/2023 12:14	M
Benzene	0.00031 U	mg/Kg	0.0031	0.00031	1	08/09/2023 13:35	08/10/2023 12:14	M
Bromobenzene	0.0011 U	mg/Kg	0.0031	0.0011	1	08/09/2023 13:35	08/10/2023 12:14	M
Bromochloromethane	0.00064 U	mg/Kg	0.0031	0.00064	1	08/09/2023 13:35	08/10/2023 12:14	M
Bromodichloromethane	0.00077 U	mg/Kg	0.0031	0.00077	1	08/09/2023 13:35	08/10/2023 12:14	M
Bromoform	0.00090 U	mg/Kg	0.0031	0.00090	1	08/09/2023 13:35	08/10/2023 12:14	M
Bromomethane	0.0021 U	mg/Kg	0.0031	0.0021	1	08/09/2023 13:35	08/10/2023 12:14	M
Carbon Disulfide	0.00055 U	mg/Kg	0.0031	0.00055	1	08/09/2023 13:35	08/10/2023 12:14	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 13:35	08/10/2023 12:14	M
Chlorobenzene	0.00038 U	mg/Kg	0.0031	0.00038	1	08/09/2023 13:35	08/10/2023 12:14	M
Chloroethane	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 13:35	08/10/2023 12:14	M
Chloroform	0.00049 U	mg/Kg	0.0031	0.00049	1	08/09/2023 13:35	08/10/2023 12:14	M
Chloromethane	0.00076 U	mg/Kg	0.0031	0.00076	1	08/09/2023 13:35	08/10/2023 12:14	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0031	0.00043	1	08/09/2023 13:35	08/10/2023 12:14	M
Dibromomethane	0.00058 U	mg/Kg	0.0031	0.00058	1	08/09/2023 13:35	08/10/2023 12:14	M
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0031	0.0010	1	08/09/2023 13:35	08/10/2023 12:14	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343018
Sample ID: SB-7.2

Date Collected: 08/02/2023 09:05
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/09/2023 13:35	08/10/2023 12:14	M
Ethylene Dibromide (EDB)	0.00056 U	mg/Kg	0.0031	0.00056	1	08/09/2023 13:35	08/10/2023 12:14	M
Hexachlorobutadiene	0.00076 U	mg/Kg	0.0031	0.00076	1	08/09/2023 13:35	08/10/2023 12:14	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0031	0.0021	1	08/09/2023 13:35	08/10/2023 12:14	M
Isopropylbenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	08/09/2023 13:35	08/10/2023 12:14	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0031	0.00044	1	08/09/2023 13:35	08/10/2023 12:14	M
Methylene Chloride	0.0012 U	mg/Kg	0.0031	0.0012	1	08/09/2023 13:35	08/10/2023 12:14	M
Naphthalene	0.00068 U	mg/Kg	0.0031	0.00068	1	08/09/2023 13:35	08/10/2023 12:14	M
Styrene	0.00033 U	mg/Kg	0.0031	0.00033	1	08/09/2023 13:35	08/10/2023 12:14	M
Tetrachloroethylene (PCE)	0.00062 U	mg/Kg	0.0031	0.00062	1	08/09/2023 13:35	08/10/2023 12:14	M
Toluene	0.00047 U	mg/Kg	0.0031	0.00047	1	08/09/2023 13:35	08/10/2023 12:14	M
Trichloroethene	0.00059 U	mg/Kg	0.0031	0.00059	1	08/09/2023 13:35	08/10/2023 12:14	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0031	0.00042	1	08/09/2023 13:35	08/10/2023 12:14	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0031	0.00045	1	08/09/2023 13:35	08/10/2023 12:14	M
Vinyl Chloride	0.00052 U	mg/Kg	0.0031	0.00052	1	08/09/2023 13:35	08/10/2023 12:14	M
Xylene (Total)	0.0011 U	mg/Kg	0.0061	0.0011	1	08/09/2023 13:35	08/10/2023 12:14	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0031	0.00046	1	08/09/2023 13:35	08/10/2023 12:14	M
cis-1,3-Dichloropropene	0.00037 U	mg/Kg	0.0031	0.00037	1	08/09/2023 13:35	08/10/2023 12:14	M
n-Butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/09/2023 13:35	08/10/2023 12:14	M
n-propylbenzene	0.00078 U	mg/Kg	0.0031	0.00078	1	08/09/2023 13:35	08/10/2023 12:14	M
sec-butylbenzene	0.00083 U	mg/Kg	0.0031	0.00083	1	08/09/2023 13:35	08/10/2023 12:14	M
tert-butylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	08/09/2023 13:35	08/10/2023 12:14	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343018
Sample ID: SB-7.2

Date Collected: 08/02/2023 09:05
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0031	0.00048	1	08/09/2023 13:35	08/10/2023 12:14	M
trans-1,3-Dichloropropylene	0.00039 U	mg/Kg	0.0031	0.00039	1	08/09/2023 13:35	08/10/2023 12:14	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	49	54	110	69 - 134	M
Toluene-d8 (S)	ug/Kg	49	51	103	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	49	56	113	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343019
Sample ID: SB-7.4

Date Collected: 08/02/2023 09:10
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	3.8	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00041 U	mg/Kg	0.0030	0.00041	1	08/09/2023 13:35	08/10/2023 12:41	M
1,1,1-Trichloroethane	0.00054 U	mg/Kg	0.0030	0.00054	1	08/09/2023 13:35	08/10/2023 12:41	M
1,1,2,2-Tetrachloroethane	0.00086 U	mg/Kg	0.0030	0.00086	1	08/09/2023 13:35	08/10/2023 12:41	M
1,1,2-Trichloroethane	0.00032 U	mg/Kg	0.0030	0.00032	1	08/09/2023 13:35	08/10/2023 12:41	M
1,1-Dichloroethane	0.00042 U	mg/Kg	0.0030	0.00042	1	08/09/2023 13:35	08/10/2023 12:41	M
1,1-Dichloroethylene	0.00053 U	mg/Kg	0.0030	0.00053	1	08/09/2023 13:35	08/10/2023 12:41	M
1,1-Dichloropropene	0.00044 U	mg/Kg	0.0030	0.00044	1	08/09/2023 13:35	08/10/2023 12:41	M
1,2,3-Trichlorobenzene	0.00080 U	mg/Kg	0.0030	0.00080	1	08/09/2023 13:35	08/10/2023 12:41	M
1,2,3-Trichloropropane	0.00080 U	mg/Kg	0.0030	0.00080	1	08/09/2023 13:35	08/10/2023 12:41	M
1,2,4-Trichlorobenzene	0.00081 U	mg/Kg	0.0030	0.00081	1	08/09/2023 13:35	08/10/2023 12:41	M
1,2,4-Trimethylbenzene	0.00079 U	mg/Kg	0.0030	0.00079	1	08/09/2023 13:35	08/10/2023 12:41	M
1,2-Dibromo-3-Chloropropane	0.00061 U	mg/Kg	0.0030	0.00061	1	08/09/2023 13:35	08/10/2023 12:41	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/09/2023 13:35	08/10/2023 12:41	M
1,2-Dichloroethane	0.00036 U	mg/Kg	0.0030	0.00036	1	08/09/2023 13:35	08/10/2023 12:41	M
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0030	0.00058	1	08/09/2023 13:35	08/10/2023 12:41	M
1,3,5-Trimethylbenzene	0.00084 U	mg/Kg	0.0030	0.00084	1	08/09/2023 13:35	08/10/2023 12:41	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0030	0.0010	1	08/09/2023 13:35	08/10/2023 12:41	M
1,3-Dichloropropane	0.00050 U	mg/Kg	0.0030	0.00050	1	08/09/2023 13:35	08/10/2023 12:41	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/09/2023 13:35	08/10/2023 12:41	M
2,2-Dichloropropane	0.00033 U	mg/Kg	0.0030	0.00033	1	08/09/2023 13:35	08/10/2023 12:41	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343019
Sample ID: SB-7.4

Date Collected: 08/02/2023 09:10
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00075 U	mg/Kg	0.0030	0.00075	1	08/09/2023 13:35	08/10/2023 12:41	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	1	08/09/2023 13:35	08/10/2023 12:41	M
2-Chlorotoluene	0.00076 U	mg/Kg	0.0030	0.00076	1	08/09/2023 13:35	08/10/2023 12:41	M
2-Hexanone	0.00058 U	mg/Kg	0.0030	0.00058	1	08/09/2023 13:35	08/10/2023 12:41	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/09/2023 13:35	08/10/2023 12:41	M
4-Methyl-2-pentanone (MIBK)	0.00083 U	mg/Kg	0.0030	0.00083	1	08/09/2023 13:35	08/10/2023 12:41	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	1	08/09/2023 13:35	08/10/2023 12:41	M
Acrolein (Propenal)	0.0079 U	mg/Kg	0.015	0.0079	1	08/09/2023 13:35	08/10/2023 12:41	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	1	08/09/2023 13:35	08/10/2023 12:41	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	1	08/09/2023 13:35	08/10/2023 12:41	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/09/2023 13:35	08/10/2023 12:41	M
Bromochloromethane	0.00064 U	mg/Kg	0.0030	0.00064	1	08/09/2023 13:35	08/10/2023 12:41	M
Bromodichloromethane	0.00076 U	mg/Kg	0.0030	0.00076	1	08/09/2023 13:35	08/10/2023 12:41	M
Bromoform	0.00089 U	mg/Kg	0.0030	0.00089	1	08/09/2023 13:35	08/10/2023 12:41	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	1	08/09/2023 13:35	08/10/2023 12:41	M
Carbon Disulfide	0.00055 U	mg/Kg	0.0030	0.00055	1	08/09/2023 13:35	08/10/2023 12:41	M
Carbon Tetrachloride	0.00045 U	mg/Kg	0.0030	0.00045	1	08/09/2023 13:35	08/10/2023 12:41	M
Chlorobenzene	0.00037 U	mg/Kg	0.0030	0.00037	1	08/09/2023 13:35	08/10/2023 12:41	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	1	08/09/2023 13:35	08/10/2023 12:41	M
Chloroform	0.00049 U	mg/Kg	0.0030	0.00049	1	08/09/2023 13:35	08/10/2023 12:41	M
Chloromethane	0.00075 U	mg/Kg	0.0030	0.00075	1	08/09/2023 13:35	08/10/2023 12:41	M
Dibromochloromethane	0.00043 U	mg/Kg	0.0030	0.00043	1	08/09/2023 13:35	08/10/2023 12:41	M
Dibromomethane	0.00058 U	mg/Kg	0.0030	0.00058	1	08/09/2023 13:35	08/10/2023 12:41	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343019
Sample ID: SB-7.4

Date Collected: 08/02/2023 09:10
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00099 U	mg/Kg	0.0030	0.0009 9	1	08/09/2023 13:35	08/10/2023 12:41	M
Ethylbenzene	0.00038 U	mg/Kg	0.0030	0.0003 8	1	08/09/2023 13:35	08/10/2023 12:41	M
Ethylene Dibromide (EDB)	0.00056 U	mg/Kg	0.0030	0.0005 6	1	08/09/2023 13:35	08/10/2023 12:41	M
Hexachlorobutadiene	0.00075 U	mg/Kg	0.0030	0.0007 5	1	08/09/2023 13:35	08/10/2023 12:41	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	1	08/09/2023 13:35	08/10/2023 12:41	M
Isopropylbenzene	0.00068 U	mg/Kg	0.0030	0.0006 8	1	08/09/2023 13:35	08/10/2023 12:41	M
Methyl tert-butyl Ether (MTBE)	0.00044 U	mg/Kg	0.0030	0.0004 4	1	08/09/2023 13:35	08/10/2023 12:41	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	1	08/09/2023 13:35	08/10/2023 12:41	M
Naphthalene	0.00068 U	mg/Kg	0.0030	0.0006 8	1	08/09/2023 13:35	08/10/2023 12:41	M
Styrene	0.00032 U	mg/Kg	0.0030	0.0003 2	1	08/09/2023 13:35	08/10/2023 12:41	M
Tetrachloroethylene (PCE)	0.00062 U	mg/Kg	0.0030	0.0006 2	1	08/09/2023 13:35	08/10/2023 12:41	M
Toluene	0.00047 U	mg/Kg	0.0030	0.0004 7	1	08/09/2023 13:35	08/10/2023 12:41	M
Trichloroethene	0.00059 U	mg/Kg	0.0030	0.0005 9	1	08/09/2023 13:35	08/10/2023 12:41	M
Trichlorofluoromethane	0.00042 U	mg/Kg	0.0030	0.0004 2	1	08/09/2023 13:35	08/10/2023 12:41	M
Vinyl Acetate	0.00045 U	mg/Kg	0.0030	0.0004 5	1	08/09/2023 13:35	08/10/2023 12:41	M
Vinyl Chloride	0.00052 U	mg/Kg	0.0030	0.0005 2	1	08/09/2023 13:35	08/10/2023 12:41	M
Xylene (Total)	0.0011 U	mg/Kg	0.0061	0.0011	1	08/09/2023 13:35	08/10/2023 12:41	M
cis-1,2-Dichloroethylene	0.00046 U	mg/Kg	0.0030	0.0004 6	1	08/09/2023 13:35	08/10/2023 12:41	M
cis-1,3-Dichloropropene	0.00036 U	mg/Kg	0.0030	0.0003 6	1	08/09/2023 13:35	08/10/2023 12:41	M
n-Butylbenzene	0.00071 U	mg/Kg	0.0030	0.0007 1	1	08/09/2023 13:35	08/10/2023 12:41	M
n-propylbenzene	0.00077 U	mg/Kg	0.0030	0.0007 7	1	08/09/2023 13:35	08/10/2023 12:41	M
sec-butylbenzene	0.00082 U	mg/Kg	0.0030	0.0008 2	1	08/09/2023 13:35	08/10/2023 12:41	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343019
Sample ID: SB-7.4

Date Collected: 08/02/2023 09:10
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00071 U	mg/Kg	0.0030	0.00071	1	08/09/2023 13:35	08/10/2023 12:41	M
trans-1,2-Dichloroethylene	0.00048 U	mg/Kg	0.0030	0.00048	1	08/09/2023 13:35	08/10/2023 12:41	M
trans-1,3-Dichloropropylene	0.00038 U	mg/Kg	0.0030	0.00038	1	08/09/2023 13:35	08/10/2023 12:41	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	49	52	106	69 - 134	M
Toluene-d8 (S)	ug/Kg	49	52	106	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	49	55	114	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343020	Date Collected: 08/02/2023 09:15				Matrix: Soil			
Sample ID: SB-7.6	Date Received: 08/02/2023 15:54							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
(SM 2540G)								
Percent Moisture	4.7	%	0.0010	0.0010	1	08/04/2023 12:00	08/04/2023 12:00	M
VOLATILES (SW-846 5035/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.00040 U	mg/Kg	0.0030	0.00040	1	08/09/2023 13:35	08/10/2023 13:08	M
1,1,1-Trichloroethane	0.00053 U	mg/Kg	0.0030	0.00053	1	08/09/2023 13:35	08/10/2023 13:08	M
1,1,2,2-Tetrachloroethane	0.00085 U	mg/Kg	0.0030	0.00085	1	08/09/2023 13:35	08/10/2023 13:08	M
1,1,2-Trichloroethane	0.00032 U	mg/Kg	0.0030	0.00032	1	08/09/2023 13:35	08/10/2023 13:08	M
1,1-Dichloroethane	0.00041 U	mg/Kg	0.0030	0.00041	1	08/09/2023 13:35	08/10/2023 13:08	M
1,1-Dichloroethylene	0.00052 U	mg/Kg	0.0030	0.00052	1	08/09/2023 13:35	08/10/2023 13:08	M
1,1-Dichloropropene	0.00043 U	mg/Kg	0.0030	0.00043	1	08/09/2023 13:35	08/10/2023 13:08	M
1,2,3-Trichlorobenzene	0.00079 U	mg/Kg	0.0030	0.00079	1	08/09/2023 13:35	08/10/2023 13:08	M
1,2,3-Trichloropropane	0.00079 U	mg/Kg	0.0030	0.00079	1	08/09/2023 13:35	08/10/2023 13:08	M
1,2,4-Trichlorobenzene	0.00080 U	mg/Kg	0.0030	0.00080	1	08/09/2023 13:35	08/10/2023 13:08	M
1,2,4-Trimethylbenzene	0.00078 U	mg/Kg	0.0030	0.00078	1	08/09/2023 13:35	08/10/2023 13:08	M
1,2-Dibromo-3-Chloropropane	0.00060 U	mg/Kg	0.0030	0.00060	1	08/09/2023 13:35	08/10/2023 13:08	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/09/2023 13:35	08/10/2023 13:08	M
1,2-Dichloroethane	0.00036 U	mg/Kg	0.0030	0.00036	1	08/09/2023 13:35	08/10/2023 13:08	M
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0030	0.00057	1	08/09/2023 13:35	08/10/2023 13:08	M
1,3,5-Trimethylbenzene	0.00083 U	mg/Kg	0.0030	0.00083	1	08/09/2023 13:35	08/10/2023 13:08	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0030	0.0010	1	08/09/2023 13:35	08/10/2023 13:08	M
1,3-Dichloropropane	0.00049 U	mg/Kg	0.0030	0.00049	1	08/09/2023 13:35	08/10/2023 13:08	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/09/2023 13:35	08/10/2023 13:08	M
2,2-Dichloropropane	0.00033 U	mg/Kg	0.0030	0.00033	1	08/09/2023 13:35	08/10/2023 13:08	M





FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343020
Sample ID: SB-7.6

Date Collected: 08/02/2023 09:15
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.00074 U	mg/Kg	0.0030	0.00074	1	08/09/2023 13:35	08/10/2023 13:08	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	1	08/09/2023 13:35	08/10/2023 13:08	M
2-Chlorotoluene	0.00075 U	mg/Kg	0.0030	0.00075	1	08/09/2023 13:35	08/10/2023 13:08	M
2-Hexanone	0.00057 U	mg/Kg	0.0030	0.00057	1	08/09/2023 13:35	08/10/2023 13:08	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/09/2023 13:35	08/10/2023 13:08	M
4-Methyl-2-pentanone (MIBK)	0.00082 U	mg/Kg	0.0030	0.00082	1	08/09/2023 13:35	08/10/2023 13:08	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	1	08/09/2023 13:35	08/10/2023 13:08	M
Acrolein (Propenal)	0.0078 U	mg/Kg	0.015	0.0078	1	08/09/2023 13:35	08/10/2023 13:08	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	1	08/09/2023 13:35	08/10/2023 13:08	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	1	08/09/2023 13:35	08/10/2023 13:08	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	1	08/09/2023 13:35	08/10/2023 13:08	M
Bromochloromethane	0.00063 U	mg/Kg	0.0030	0.00063	1	08/09/2023 13:35	08/10/2023 13:08	M
Bromodichloromethane	0.00075 U	mg/Kg	0.0030	0.00075	1	08/09/2023 13:35	08/10/2023 13:08	M
Bromoform	0.00088 U	mg/Kg	0.0030	0.00088	1	08/09/2023 13:35	08/10/2023 13:08	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	1	08/09/2023 13:35	08/10/2023 13:08	M
Carbon Disulfide	0.00054 U	mg/Kg	0.0030	0.00054	1	08/09/2023 13:35	08/10/2023 13:08	M
Carbon Tetrachloride	0.00044 U	mg/Kg	0.0030	0.00044	1	08/09/2023 13:35	08/10/2023 13:08	M
Chlorobenzene	0.00037 U	mg/Kg	0.0030	0.00037	1	08/09/2023 13:35	08/10/2023 13:08	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	1	08/09/2023 13:35	08/10/2023 13:08	M
Chloroform	0.00048 U	mg/Kg	0.0030	0.00048	1	08/09/2023 13:35	08/10/2023 13:08	M
Chloromethane	0.00074 U	mg/Kg	0.0030	0.00074	1	08/09/2023 13:35	08/10/2023 13:08	M
Dibromochloromethane	0.00042 U	mg/Kg	0.0030	0.00042	1	08/09/2023 13:35	08/10/2023 13:08	M
Dibromomethane	0.00057 U	mg/Kg	0.0030	0.00057	1	08/09/2023 13:35	08/10/2023 13:08	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343020
Sample ID: SB-7.6

Date Collected: 08/02/2023 09:15
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	0.00098 U	mg/Kg	0.0030	0.00098	1	08/09/2023 13:35	08/10/2023 13:08	M
Ethylbenzene	0.00038 U	mg/Kg	0.0030	0.00038	1	08/09/2023 13:35	08/10/2023 13:08	M
Ethylene Dibromide (EDB)	0.00055 U	mg/Kg	0.0030	0.00055	1	08/09/2023 13:35	08/10/2023 13:08	M
Hexachlorobutadiene	0.00074 U	mg/Kg	0.0030	0.00074	1	08/09/2023 13:35	08/10/2023 13:08	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	1	08/09/2023 13:35	08/10/2023 13:08	M
Isopropylbenzene	0.00068 U	mg/Kg	0.0030	0.00068	1	08/09/2023 13:35	08/10/2023 13:08	M
Methyl tert-butyl Ether (MTBE)	0.00043 U	mg/Kg	0.0030	0.00043	1	08/09/2023 13:35	08/10/2023 13:08	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	1	08/09/2023 13:35	08/10/2023 13:08	M
Naphthalene	0.00067 U	mg/Kg	0.0030	0.00067	1	08/09/2023 13:35	08/10/2023 13:08	M
Styrene	0.00032 U	mg/Kg	0.0030	0.00032	1	08/09/2023 13:35	08/10/2023 13:08	M
Tetrachloroethylene (PCE)	0.00061 U	mg/Kg	0.0030	0.00061	1	08/09/2023 13:35	08/10/2023 13:08	M
Toluene	0.00046 U	mg/Kg	0.0030	0.00046	1	08/09/2023 13:35	08/10/2023 13:08	M
Trichloroethene	0.00058 U	mg/Kg	0.0030	0.00058	1	08/09/2023 13:35	08/10/2023 13:08	M
Trichlorofluoromethane	0.00041 U	mg/Kg	0.0030	0.00041	1	08/09/2023 13:35	08/10/2023 13:08	M
Vinyl Acetate	0.00044 U	mg/Kg	0.0030	0.00044	1	08/09/2023 13:35	08/10/2023 13:08	M
Vinyl Chloride	0.00051 U	mg/Kg	0.0030	0.00051	1	08/09/2023 13:35	08/10/2023 13:08	M
Xylene (Total)	0.0011 U	mg/Kg	0.0060	0.0011	1	08/09/2023 13:35	08/10/2023 13:08	M
cis-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0030	0.00045	1	08/09/2023 13:35	08/10/2023 13:08	M
cis-1,3-Dichloropropene	0.00036 U	mg/Kg	0.0030	0.00036	1	08/09/2023 13:35	08/10/2023 13:08	M
n-Butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	1	08/09/2023 13:35	08/10/2023 13:08	M
n-propylbenzene	0.00076 U	mg/Kg	0.0030	0.00076	1	08/09/2023 13:35	08/10/2023 13:08	M
sec-butylbenzene	0.00081 U	mg/Kg	0.0030	0.00081	1	08/09/2023 13:35	08/10/2023 13:08	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

Analytical Results

Lab ID: M2304343020
Sample ID: SB-7.6

Date Collected: 08/02/2023 09:15
Date Received: 08/02/2023 15:54

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
tert-butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	1	08/09/2023 13:35	08/10/2023 13:08	M
trans-1,2-Dichloroethylene	0.00047 U	mg/Kg	0.0030	0.00047	1	08/09/2023 13:35	08/10/2023 13:08	M
trans-1,3-Dichloropropylene	0.00038 U	mg/Kg	0.0030	0.00038	1	08/09/2023 13:35	08/10/2023 13:08	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	48	53	111	69 - 134	M
Toluene-d8 (S)	ug/Kg	48	50	104	72 - 122	M
Bromofluorobenzene (S)	ug/Kg	48	53	111	79 - 126	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

QC Results

QC Batch: MSVm/4621 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343001, M2304343002, M2304343003, M2304343004

Method Blank(4902916)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.00098 U	mg/Kg	0.0030	0.00098	M
Chloromethane	0.00074 U	mg/Kg	0.0030	0.00074	M
Vinyl Chloride	0.00051 U	mg/Kg	0.0030	0.00051	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	M
Trichlorofluoromethane	0.00041 U	mg/Kg	0.0030	0.00041	M
Acrolein (Propenal)	0.0078 U	mg/Kg	0.015	0.0078	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	M
1,1-Dichloroethylene	0.00052 U	mg/Kg	0.0030	0.00052	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	M
Carbon Disulfide	0.00054 U	mg/Kg	0.0030	0.00054	M
trans-1,2-Dichloroethylene	0.00047 U	mg/Kg	0.0030	0.00047	M
Methyl tert-butyl Ether (MTBE)	0.00043 U	mg/Kg	0.0030	0.00043	M
1,1-Dichloroethane	0.00041 U	mg/Kg	0.0030	0.00041	M
Vinyl Acetate	0.00044 U	mg/Kg	0.0030	0.00044	M
2-Butanone (MEK)	0.00074 U	mg/Kg	0.0030	0.00074	M
cis-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0030	0.00045	M
Bromochloromethane	0.00063 U	mg/Kg	0.0030	0.00063	M
Chloroform	0.00048 U	mg/Kg	0.0030	0.00048	M
2,2-Dichloropropane	0.00033 U	mg/Kg	0.0030	0.00033	M
1,2-Dichloroethane	0.00036 U	mg/Kg	0.0030	0.00036	M
1,1,1-Trichloroethane	0.00053 U	mg/Kg	0.0030	0.00053	M
1,1-Dichloropropene	0.00043 U	mg/Kg	0.0030	0.00043	M
Carbon Tetrachloride	0.00044 U	mg/Kg	0.0030	0.00044	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	M
Dibromomethane	0.00057 U	mg/Kg	0.0030	0.00057	M
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0030	0.00057	M
Trichloroethene	0.00058 U	mg/Kg	0.0030	0.00058	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4621 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343001, M2304343002, M2304343003, M2304343004

Parameter	Results	Units	PQL	MDL	Lab
Bromodichloromethane	0.00075 U	mg/Kg	0.0030	0.00075	M
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	M
cis-1,3-Dichloropropene	0.00036 U	mg/Kg	0.0030	0.00036	M
4-Methyl-2-pentanone (MIBK)	0.00082 U	mg/Kg	0.0030	0.00082	M
trans-1,3-Dichloropropylene	0.00038 U	mg/Kg	0.0030	0.00038	M
1,1,2-Trichloroethane	0.00032 U	mg/Kg	0.0030	0.00032	M
Toluene	0.00046 U	mg/Kg	0.0030	0.00046	M
1,3-Dichloropropane	0.00049 U	mg/Kg	0.0030	0.00049	M
2-Hexanone	0.00057 U	mg/Kg	0.0030	0.00057	M
Dibromochloromethane	0.00042 U	mg/Kg	0.0030	0.00042	M
Ethylene Dibromide (EDB)	0.00055 U	mg/Kg	0.0030	0.00055	M
Tetrachloroethylene (PCE)	0.00061 U	mg/Kg	0.0030	0.00061	M
1,1,1,2-Tetrachloroethane	0.00040 U	mg/Kg	0.0030	0.00040	M
Chlorobenzene	0.00037 U	mg/Kg	0.0030	0.00037	M
Ethylbenzene	0.00038 U	mg/Kg	0.0030	0.00038	M
Bromoform	0.00088 U	mg/Kg	0.0030	0.00088	M
Styrene	0.00032 U	mg/Kg	0.0030	0.00032	M
1,1,2,2-Tetrachloroethane	0.00085 U	mg/Kg	0.0030	0.00085	M
1,2,3-Trichloropropane	0.00079 U	mg/Kg	0.0030	0.00079	M
Isopropylbenzene	0.00068 U	mg/Kg	0.0030	0.00068	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
n-propylbenzene	0.00076 U	mg/Kg	0.0030	0.00076	M
2-Chlorotoluene	0.00075 U	mg/Kg	0.0030	0.00075	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	M
1,3,5-Trimethylbenzene	0.00083 U	mg/Kg	0.0030	0.00083	M
tert-butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	M
1,2,4-Trimethylbenzene	0.00078 U	mg/Kg	0.0030	0.00078	M
sec-butylbenzene	0.00081 U	mg/Kg	0.0030	0.00081	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0030	0.0010	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
n-Butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	M
1,2-Dibromo-3-Chloropropane	0.00060 U	mg/Kg	0.0030	0.00060	M
1,2,4-Trichlorobenzene	0.00080 U	mg/Kg	0.0030	0.00080	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4621 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343001, M2304343002, M2304343003, M2304343004

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.00067 U	mg/Kg	0.0030	0.00067	M
Hexachlorobutadiene	0.00074 U	mg/Kg	0.0030	0.00074	M
1,2,3-Trichlorobenzene	0.00079 U	mg/Kg	0.0030	0.00079	M
Xylene (Total)	0.0011 U	mg/Kg	0.0060	0.0011	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	101	69 - 134	M
Bromofluorobenzene (S)	ug/L	50	55	110	79 - 126	M
Toluene-d8 (S)	ug/L	50	53	106	72 - 122	M

Lab Control Sample (4902918); Lab Control Sample Duplicate (4902919); Parent Lab Sample (M2304343001, M2304343002, M2304343003, M2304343004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.02	99	10 - 150	.019	97	2	20	M
Chloromethane	mg/Kg	0.02	.023	114	50 - 136	.023	114	0	20	M
Vinyl Chloride	mg/Kg	0.02	.023	117	56 - 135	.023	117	0	20	M
Bromomethane	mg/Kg	0.02	.021	107	53 - 143	.023	113	6	20	M
Chloroethane	mg/Kg	0.02	.023	117	59 - 139	.024	120	2	20	M
Trichlorofluoromethane	mg/Kg	0.02	.023	114	62 - 140	.023	115	1	20	M
Acetone	mg/Kg	0.02	.018	92	36 - 164	.019	95	4	20	M
1,1-Dichloroethylene	mg/Kg	0.02	.021	106	70 - 131	.021	103	2	20	M
Methylene Chloride	mg/Kg	0.02	.019	95	70 - 128	.021	106	11	20	M
Carbon Disulfide	mg/Kg	0.02	.019	94	63 - 132	.019	93	1	20	M
trans-1,2-Dichloroethylene	mg/Kg	0.02	.021	103	74 - 125	.02	102	0	20	M
Methyl tert-butyl Ether (MT)	mg/Kg	0.02	.02	101	73 - 125	.021	103	2	20	M
1,1-Dichloroethane	mg/Kg	0.02	.02	102	76 - 125	.02	102	0	20	M
2-Butanone (MEK)	mg/Kg	0.02	.02	100	51 - 148	.022	111	10	20	M
cis-1,2-Dichloroethylene	mg/Kg	0.02	.02	101	77 - 123	.02	101	0	20	M
Chloroform	mg/Kg	0.02	.021	106	78 - 123	.021	103	3	20	M
1,2-Dichloroethane	mg/Kg	0.02	.019	95	73 - 128	.02	98	3	20	M
1,1,1-Trichloroethane	mg/Kg	0.02	.02	101	73 - 130	.02	99	2	20	M
Carbon Tetrachloride	mg/Kg	0.02	.019	96	70 - 135	.019	94	1	20	M
Benzene	mg/Kg	0.02	.019	97	77 - 121	.019	97	0	20	M
1,2-Dichloropropane	mg/Kg	0.02	.019	97	76 - 123	.02	99	2	20	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4621 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343001, M2304343002, M2304343003, M2304343004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Trichloroethene	mg/Kg	0.02	.019	95	77 - 123	.019	96	0	20	M
Bromodichloromethane	mg/Kg	0.02	.019	93	75 - 127	.019	93	0	20	M
cis-1,3-Dichloropropene	mg/Kg	0.02	.019	95	74 - 126	.018	91	5	20	M
4-Methyl-2-pentanone (MIB)	mg/Kg	0.02	.02	99	65 - 135	.02	102	3	20	M
trans-1,3-Dichloropropylene	mg/Kg	0.02	.019	95	71 - 130	.019	94	1	20	M
1,1,2-Trichloroethane	mg/Kg	0.02	.018	90	78 - 121	.019	95	5	20	M
Toluene	mg/Kg	0.02	.021	107	77 - 121	.021	106	1	20	M
2-Hexanone	mg/Kg	0.02	.022	112	53 - 145	.023	117	5	20	M
Dibromochloromethane	mg/Kg	0.02	.019	94	74 - 126	.019	94	0	20	M
Ethylene Dibromide (EDB)	mg/Kg	0.02	.021	104	78 - 122	.021	105	2	20	M
Tetrachloroethylene (PCE)	mg/Kg	0.02	.02	102	73 - 128	.021	107	4	20	M
Chlorobenzene	mg/Kg	0.02	.021	106	79 - 120	.022	108	2	20	M
Ethylbenzene	mg/Kg	0.02	.021	107	76 - 122	.022	109	3	20	M
Bromoform	mg/Kg	0.02	.018	90	67 - 132	.018	90	0	20	M
Styrene	mg/Kg	0.02	.02	100	76 - 124	.02	101	1	20	M
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.021	103	70 - 124	.022	109	6	20	M
Isopropylbenzene	mg/Kg	0.02	.021	105	68 - 134	.023	115	10	20	M
1,3-Dichlorobenzene	mg/Kg	0.02	.022	112	77 - 121	.023	113	1	20	M
1,4-Dichlorobenzene	mg/Kg	0.02	.021	104	75 - 120	.02	102	2	20	M
1,2-Dichlorobenzene	mg/Kg	0.02	.02	102	78 - 121	.02	101	1	20	M
1,2-Dibromo-3-Chloropropa	mg/Kg	0.02	.021	107	61 - 132	.022	109	2	20	M
1,2,4-Trichlorobenzene	mg/Kg	0.02	.021	105	67 - 129	.022	110	5	20	M
Xylene (Total)	mg/Kg	0.06	.063	105	78 - 124	.064	107	2	20	M
1,1-Dichloropropene	mg/Kg	0.02	.021	103	76 - 125	.021	103	0	20	M
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.02	101	78 - 125	.021	103	3	20	M
1,2,3-Trichlorobenzene	mg/Kg	0.02	.023	113	66 - 130	.024	118	4	20	M
1,2,3-Trichloropropane	mg/Kg	0.02	.018	92	73 - 125	.019	97	6	20	M
1,2,4-Trimethylbenzene	mg/Kg	0.02	.023	116	75 - 123	.022	111	4	20	M
1,3,5-Trimethylbenzene	mg/Kg	0.02	.024	119	73 - 124	.023	114	4	20	M
1,3-Dichloropropane	mg/Kg	0.02	.021	104	77 - 121	.021	107	3	20	M
2,2-Dichloropropane	mg/Kg	0.02	.019	97	67 - 133	.02	99	1	20	M
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.019	97	43 - 149	.02	99	2	20	M
2-Chlorotoluene	mg/Kg	0.02	.022	108	75 - 122	.021	105	3	20	M





FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4621 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343001, M2304343002, M2304343003, M2304343004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
4-Chlorotoluene	mg/Kg	0.02	.021	107	72 - 124	.021	106	1	20	M
Acrolein (Propenal)	mg/Kg	0.10	.085	85	10 - 150	.087	87	2	20	M
Bromobenzene	mg/Kg	0.02	.022	109	78 - 121	.021	105	4	20	M
Dibromomethane	mg/Kg	0.02	.018	92	78 - 125	.019	93	1	20	M
Hexachlorobutadiene	mg/Kg	0.02	.023	113	61 - 135	.022	109	4	20	M
Naphthalene	mg/Kg	0.02	.023	114	62 - 129	.023	115	1	20	M
n-Butylbenzene	mg/Kg	0.02	.022	110	70 - 128	.021	106	4	20	M
n-propylbenzene	mg/Kg	0.02	.022	109	73 - 125	.024	119	9	20	M
sec-butylbenzene	mg/Kg	0.02	.022	110	73 - 126	.021	107	3	20	M
Vinyl Acetate	mg/Kg	0.02	.021	104	10 - 150	.022	109	5	20	M
Acrylonitrile	mg/Kg	0.02	.02	101	65 - 134	.019	93	8	20	M
Iodomethane (Methyl Iodid	mg/Kg	0.02	.017	86	10 - 150	.017	83	4	20	M
tert-butylbenzene	mg/Kg	0.02	.023	117	73 - 125	.023	115	1	20	M
Bromochloromethane	mg/Kg	0.02	.019	97	78 - 125	.02	99	2	20	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	45	90	69 - 134	44	87	3		M
Bromofluorobenzene (S)	ug/L	50	46	92	79 - 126	46	93	1		M
Toluene-d8 (S)	ug/L	50	44	89	72 - 122	46	92	4		M

Matrix Spike (4902920); Original (M2304343001); Parent Lab Sample (M2304343001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.017	84	10 - 150	M
Chloromethane	mg/Kg	0.02	.02	98	50 - 136	M
Vinyl Chloride	mg/Kg	0.02	.022	110	56 - 135	M
Bromomethane	mg/Kg	0.02	.021	105	53 - 143	M
Chloroethane	mg/Kg	0.02	.02	101	59 - 139	M
Trichlorofluoromethane	mg/Kg	0.02	.028	140	62 - 140	M
Acetone	mg/Kg	0.02	.02	99	36 - 164	M
1,1-Dichloroethylene	mg/Kg	0.02	.023	115	70 - 131	M
Methylene Chloride	mg/Kg	0.02	.016	81	70 - 128	M
Carbon Disulfide	mg/Kg	0.02	.021	105	63 - 132	M
trans-1,2-Dichloroethylene	mg/Kg	0.02	.022	111	74 - 125	M

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Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4621 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343001, M2304343002, M2304343003, M2304343004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	.022	109	73 - 125	M
1,1-Dichloroethane	mg/Kg	0.02	.022	112	76 - 125	M
2-Butanone (MEK)	mg/Kg	0.02	.021	104	51 - 148	M
cis-1,2-Dichloroethylene	mg/Kg	0.02	.022	109	77 - 123	M
Chloroform	mg/Kg	0.02	.023	117	78 - 123	M
1,2-Dichloroethane	mg/Kg	0.02	.021	103	73 - 128	M
1,1,1-Trichloroethane	mg/Kg	0.02	.022	110	73 - 130	M
Carbon Tetrachloride	mg/Kg	0.02	.024	122	70 - 135	M
Benzene	mg/Kg	0.02	.021	107	77 - 121	M
1,2-Dichloropropane	mg/Kg	0.02	.022	108	76 - 123	M
Trichloroethene	mg/Kg	0.02	.021	105	77 - 123	M
Bromodichloromethane	mg/Kg	0.02	.02	101	75 - 127	M
cis-1,3-Dichloropropene	mg/Kg	0.02	.02	101	74 - 126	M
4-Methyl-2-pentanone (MIBK)	mg/Kg	0.02	.022	108	65 - 135	M
trans-1,3-Dichloropropylene	mg/Kg	0.02	.021	103	71 - 130	M
1,1,2-Trichloroethane	mg/Kg	0.02	.02	100	78 - 121	M
Toluene	mg/Kg	0.02	.024	120	77 - 121	M
2-Hexanone	mg/Kg	0.02	.025	124	53 - 145	M
Dibromochloromethane	mg/Kg	0.02	.021	107	74 - 126	M
Ethylene Dibromide (EDB)	mg/Kg	0.02	.023	114	78 - 122	M
Tetrachloroethylene (PCE)	mg/Kg	0.02	.024	119	73 - 128	M
Chlorobenzene	mg/Kg	0.02	.024	119	79 - 120	M
Ethylbenzene	mg/Kg	0.02	.024	121	76 - 122	M
Bromoform	mg/Kg	0.02	.021	103	67 - 132	M
Styrene	mg/Kg	0.02	.022	112	76 - 124	M
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.023	117	70 - 124	M
Isopropylbenzene	mg/Kg	0.02	.023	115	68 - 134	M
1,3-Dichlorobenzene	mg/Kg	0.02	.022	110	77 - 121	M
1,4-Dichlorobenzene	mg/Kg	0.02	.023	117	75 - 120	M
1,2-Dichlorobenzene	mg/Kg	0.02	.023	117	78 - 121	M
1,2-Dibromo-3-Chloropropane	mg/Kg	0.02	.024	118	61 - 132	M
1,2,4-Trichlorobenzene	mg/Kg	0.02	.022	109	67 - 129	M
Xylene (Total)	mg/Kg	0.06	.07	116	78 - 124	M
1,1-Dichloropropane	mg/Kg	0.02	.023	113	76 - 125	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4621 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343001, M2304343002, M2304343003, M2304343004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.023	114	78 - 125	M
1,2,3-Trichlorobenzene	mg/Kg	0.02	.026	130	66 - 130	M
1,2,3-Trichloropropane	mg/Kg	0.02	.022	111	73 - 125	M
1,2,4-Trimethylbenzene	mg/Kg	0.02	.023	116	75 - 123	M
1,3,5-Trimethylbenzene	mg/Kg	0.02	.02	101	73 - 124	M
1,3-Dichloropropane	mg/Kg	0.02	.023	115	77 - 121	M
2,2-Dichloropropane	mg/Kg	0.02	.022	110	67 - 133	M
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.022	108	43 - 149	M
2-Chlorotoluene	mg/Kg	0.02	.023	116	75 - 122	M
4-Chlorotoluene	mg/Kg	0.02	.022	109	72 - 124	M
Acrolein (Propenal)	mg/Kg	0.10	.092	92	10 - 150	M
Bromobenzene	mg/Kg	0.02	.024	119	78 - 121	M
Dibromomethane	mg/Kg	0.02	.02	101	78 - 125	M
Hexachlorobutadiene	mg/Kg	0.02	.025	126	61 - 135	M
Naphthalene	mg/Kg	0.02	.023	113	62 - 129	M
n-Butylbenzene	mg/Kg	0.02	.023	117	70 - 128	M
n-propylbenzene	mg/Kg	0.02	.023	117	73 - 125	M
sec-butylbenzene	mg/Kg	0.02	.022	112	73 - 126	M
Vinyl Acetate	mg/Kg	0.02	.023	115	10 - 150	M
Acrylonitrile	mg/Kg	0.02	.023	117	65 - 134	M
Iodomethane (Methyl Iodide)	mg/Kg	0.02	.018	92	10 - 150	M
tert-butylbenzene	mg/Kg	0.02	.022	108	73 - 125	M
Bromochloromethane	mg/Kg	0.02	.021	106	78 - 125	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	43	86	69 - 134	M
Bromofluorobenzene (S)	ug/L	50	45	90	79 - 126	M
Toluene-d8 (S)	ug/L	50	45	90	72 - 122	M





FINAL

Workorder: Crystal Cleaners (M2304343)

QC Results

QC Batch: MSVm/4629 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343005, M2304343006, M2304343007, M2304343008, M2304343009, M2304343010, M2304343011, M2304343012, M2304343013

Method Blank(4905455)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.00098 U	mg/Kg	0.0030	0.00098	M
Chloromethane	0.00074 U	mg/Kg	0.0030	0.00074	M
Vinyl Chloride	0.00051 U	mg/Kg	0.0030	0.00051	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	M
Trichlorofluoromethane	0.00041 U	mg/Kg	0.0030	0.00041	M
Acrolein (Propenal)	0.0078 U	mg/Kg	0.015	0.0078	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	M
1,1-Dichloroethylene	0.00052 U	mg/Kg	0.0030	0.00052	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	M
Carbon Disulfide	0.00054 U	mg/Kg	0.0030	0.00054	M
trans-1,2-Dichloroethylene	0.00047 U	mg/Kg	0.0030	0.00047	M
Methyl tert-butyl Ether (MTBE)	0.00043 U	mg/Kg	0.0030	0.00043	M
1,1-Dichloroethane	0.00041 U	mg/Kg	0.0030	0.00041	M
Vinyl Acetate	0.00044 U	mg/Kg	0.0030	0.00044	M
2-Butanone (MEK)	0.00074 U	mg/Kg	0.0030	0.00074	M
cis-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0030	0.00045	M
Bromochloromethane	0.00063 U	mg/Kg	0.0030	0.00063	M
Chloroform	0.00048 U	mg/Kg	0.0030	0.00048	M
2,2-Dichloropropane	0.00033 U	mg/Kg	0.0030	0.00033	M
1,2-Dichloroethane	0.00036 U	mg/Kg	0.0030	0.00036	M
1,1,1-Trichloroethane	0.00053 U	mg/Kg	0.0030	0.00053	M
1,1-Dichloropropene	0.00043 U	mg/Kg	0.0030	0.00043	M
Carbon Tetrachloride	0.00044 U	mg/Kg	0.0030	0.00044	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	M
Dibromomethane	0.00057 U	mg/Kg	0.0030	0.00057	M
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0030	0.00057	M
Trichloroethene	0.00058 U	mg/Kg	0.0030	0.00058	M
Bromodichloromethane	0.00075 U	mg/Kg	0.0030	0.00075	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4629
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343005, M2304343006, M2304343007, M2304343008, M2304343009, M2304343010, M2304343011, M2304343012, M2304343013

Analysis Method: SW-846 8260D

Parameter	Results	Units	PQL	MDL	Lab
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	M
cis-1,3-Dichloropropene	0.00036 U	mg/Kg	0.0030	0.00036	M
4-Methyl-2-pentanone (MIBK)	0.00082 U	mg/Kg	0.0030	0.00082	M
trans-1,3-Dichloropropylene	0.00038 U	mg/Kg	0.0030	0.00038	M
1,1,2-Trichloroethane	0.00032 U	mg/Kg	0.0030	0.00032	M
Toluene	0.00046 U	mg/Kg	0.0030	0.00046	M
1,3-Dichloropropane	0.00049 U	mg/Kg	0.0030	0.00049	M
2-Hexanone	0.00057 U	mg/Kg	0.0030	0.00057	M
Dibromochloromethane	0.00042 U	mg/Kg	0.0030	0.00042	M
Ethylene Dibromide (EDB)	0.00055 U	mg/Kg	0.0030	0.00055	M
Tetrachloroethylene (PCE)	0.00061 U	mg/Kg	0.0030	0.00061	M
1,1,1,2-Tetrachloroethane	0.00040 U	mg/Kg	0.0030	0.00040	M
Chlorobenzene	0.00037 U	mg/Kg	0.0030	0.00037	M
Ethylbenzene	0.00038 U	mg/Kg	0.0030	0.00038	M
Bromoform	0.00088 U	mg/Kg	0.0030	0.00088	M
Styrene	0.00032 U	mg/Kg	0.0030	0.00032	M
1,1,2,2-Tetrachloroethane	0.00085 U	mg/Kg	0.0030	0.00085	M
1,2,3-Trichloropropane	0.00079 U	mg/Kg	0.0030	0.00079	M
Isopropylbenzene	0.00068 U	mg/Kg	0.0030	0.00068	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
n-propylbenzene	0.00076 U	mg/Kg	0.0030	0.00076	M
2-Chlorotoluene	0.00075 U	mg/Kg	0.0030	0.00075	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	M
1,3,5-Trimethylbenzene	0.00083 U	mg/Kg	0.0030	0.00083	M
tert-butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	M
1,2,4-Trimethylbenzene	0.00078 U	mg/Kg	0.0030	0.00078	M
sec-butylbenzene	0.00081 U	mg/Kg	0.0030	0.00081	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0030	0.0010	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
n-Butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	M
1,2-Dibromo-3-Chloropropane	0.00060 U	mg/Kg	0.0030	0.00060	M
1,2,4-Trichlorobenzene	0.00080 U	mg/Kg	0.0030	0.00080	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4629 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343005, M2304343006, M2304343007, M2304343008, M2304343009, M2304343010, M2304343011, M2304343012, M2304343013

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.00067 U	mg/Kg	0.0030	0.00067	M
Hexachlorobutadiene	0.00074 U	mg/Kg	0.0030	0.00074	M
1,2,3-Trichlorobenzene	0.00079 U	mg/Kg	0.0030	0.00079	M
Xylene (Total)	0.0011 U	mg/Kg	0.0060	0.0011	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	111	69 - 134	M
Bromofluorobenzene (S)	ug/L	50	56	111	79 - 126	M
Toluene-d8 (S)	ug/L	50	54	107	72 - 122	M

Lab Control Sample (4905457); Lab Control Sample Duplicate (4905458); Parent Lab Sample (M2304343005, M2304343006, M2304343007, M2304343008, M2304343009, M2304343010, M2304343011, M2304343012, M2304343013)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.018	90	10 - 150	.018	91	0	20	M
Chloromethane	mg/Kg	0.02	.02	100	50 - 136	.021	104	4	20	M
Vinyl Chloride	mg/Kg	0.02	.023	117	56 - 135	.023	117	1	20	M
Bromomethane	mg/Kg	0.02	.021	106	53 - 143	.022	110	3	20	M
Chloroethane	mg/Kg	0.02	.021	107	59 - 139	.022	112	5	20	M
Trichlorofluoromethane	mg/Kg	0.02	.022	109	62 - 140	.023	115	6	20	M
Acetone	mg/Kg	0.02	.022	109	36 - 164	.019	96	12	20	M
1,1-Dichloroethylene	mg/Kg	0.02	.024	119	70 - 131	.022	111	7	20	M
Methylene Chloride	mg/Kg	0.02	.017	84	70 - 128	.016	79	6	20	M
Carbon Disulfide	mg/Kg	0.02	.02	101	63 - 132	.018	91	10	20	M
trans-1,2-Dichloroethylene	mg/Kg	0.02	.024	120	74 - 125	.022	109	9	20	M
Methyl tert-butyl Ether (MT)	mg/Kg	0.02	.022	111	73 - 125	.021	103	7	20	M
1,1-Dichloroethane	mg/Kg	0.02	.024	120	76 - 125	.022	109	10	20	M
2-Butanone (MEK)	mg/Kg	0.02	.023	114	51 - 148	.021	103	10	20	M
cis-1,2-Dichloroethylene	mg/Kg	0.02	.024	120	77 - 123	.021	107	11	20	M
Chloroform	mg/Kg	0.02	.024	120	78 - 123	.022	110	8	20	M
1,2-Dichloroethane	mg/Kg	0.02	.023	113	73 - 128	.021	103	9	20	M
1,1,1-Trichloroethane	mg/Kg	0.02	.023	116	73 - 130	.021	106	9	20	M
Carbon Tetrachloride	mg/Kg	0.02	.022	110	70 - 135	.02	101	8	20	M
Benzene	mg/Kg	0.02	.022	109	77 - 121	.02	99	9	20	M
1,2-Dichloropropane	mg/Kg	0.02	.023	114	76 - 123	.021	106	7	20	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4629 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343005, M2304343006, M2304343007, M2304343008, M2304343009, M2304343010, M2304343011, M2304343012, M2304343013

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Trichloroethene	mg/Kg	0.02	.023	117	77 - 123	.021	103	13	20	M
Bromodichloromethane	mg/Kg	0.02	.021	103	75 - 127	.019	93	10	20	M
cis-1,3-Dichloropropene	mg/Kg	0.02	.02	101	74 - 126	.019	94	7	20	M
4-Methyl-2-pentanone (MIB)	mg/Kg	0.02	.021	107	65 - 135	.021	105	2	20	M
trans-1,3-Dichloropropylene	mg/Kg	0.02	.021	104	71 - 130	.019	93	11	20	M
1,1,2-Trichloroethane	mg/Kg	0.02	.021	104	78 - 121	.02	100	4	20	M
Toluene	mg/Kg	0.02	.022	109	77 - 121	.02	99	10	20	M
2-Hexanone	mg/Kg	0.02	.023	114	53 - 145	.021	106	7	20	M
Dibromochloromethane	mg/Kg	0.02	.019	97	74 - 126	.018	89	9	20	M
Ethylene Dibromide (EDB)	mg/Kg	0.02	.02	101	78 - 122	.018	92	10	20	M
Tetrachloroethylene (PCE)	mg/Kg	0.02	.022	109	73 - 128	.019	96	13	20	M
Chlorobenzene	mg/Kg	0.02	.021	106	79 - 120	.019	96	10	20	M
Ethylbenzene	mg/Kg	0.02	.022	112	76 - 122	.02	98	13	20	M
Bromoform	mg/Kg	0.02	.017	86	67 - 132	.017	83	3	20	M
Styrene	mg/Kg	0.02	.02	100	76 - 124	.018	90	11	20	M
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.021	106	70 - 124	.019	96	10	20	M
Isopropylbenzene	mg/Kg	0.02	.024	119	68 - 134	.023	113	6	20	M
1,3-Dichlorobenzene	mg/Kg	0.02	.022	109	77 - 121	.019	97	11	20	M
1,4-Dichlorobenzene	mg/Kg	0.02	.02	99	75 - 120	.018	92	7	20	M
1,2-Dichlorobenzene	mg/Kg	0.02	.019	97	78 - 121	.019	94	3	20	M
1,2-Dibromo-3-Chloropropa	mg/Kg	0.02	.022	112	61 - 132	.021	103	8	20	M
1,2,4-Trichlorobenzene	mg/Kg	0.02	.02	102	67 - 129	.02	98	4	20	M
Xylene (Total)	mg/Kg	0.06	.064	107	78 - 124	.058	97	10	20	M
1,1-Dichloropropene	mg/Kg	0.02	.023	116	76 - 125	.021	103	11	20	M
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.021	104	78 - 125	.018	90	14	20	M
1,2,3-Trichlorobenzene	mg/Kg	0.02	.02	100	66 - 130	.021	103	3	20	M
1,2,3-Trichloropropane	mg/Kg	0.02	.02	98	73 - 125	.024	118	18	20	M
1,2,4-Trimethylbenzene	mg/Kg	0.02	.022	111	75 - 123	.021	103	8	20	M
1,3,5-Trimethylbenzene	mg/Kg	0.02	.024	119	73 - 124	.022	110	8	20	M
1,3-Dichloropropane	mg/Kg	0.02	.022	108	77 - 121	.019	97	11	20	M
2,2-Dichloropropane	mg/Kg	0.02	.022	111	67 - 133	.021	104	6	20	M
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.023	114	43 - 149	.021	106	7	20	M
2-Chlorotoluene	mg/Kg	0.02	.022	109	75 - 122	.021	105	3	20	M





FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4629 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343005, M2304343006, M2304343007, M2304343008, M2304343009, M2304343010, M2304343011, M2304343012, M2304343013

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
4-Chlorotoluene	mg/Kg	0.02	.022	109	72 - 124	.021	104	5	20	M
Acrolein (Propenal)	mg/Kg	0.10	.094	94	10 - 150	.089	89	6	20	M
Bromobenzene	mg/Kg	0.02	.022	110	78 - 121	.02	102	8	20	M
Dibromomethane	mg/Kg	0.02	.021	105	78 - 125	.019	97	8	20	M
Hexachlorobutadiene	mg/Kg	0.02	.02	100	61 - 135	.02	100	0	20	M
Naphthalene	mg/Kg	0.02	.02	98	62 - 129	.019	95	3	20	M
n-Butylbenzene	mg/Kg	0.02	.022	109	70 - 128	.021	103	5	20	M
n-propylbenzene	mg/Kg	0.02	.023	115	73 - 125	.024	118	2	20	M
sec-butylbenzene	mg/Kg	0.02	.022	108	73 - 126	.02	102	6	20	M
Vinyl Acetate	mg/Kg	0.02	.023	114	10 - 150	.022	110	4	20	M
Acrylonitrile	mg/Kg	0.02	.023	114	65 - 134	.022	111	3	20	M
Iodomethane (Methyl Iodid	mg/Kg	0.02	.02	100	10 - 150	.018	90	10	20	M
tert-butylbenzene	mg/Kg	0.02	.023	116	73 - 125	.021	107	8	20	M
Bromochloromethane	mg/Kg	0.02	.022	109	78 - 125	.02	99	9	20	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	56	111	69 - 134	56	112	1		M
Bromofluorobenzene (S)	ug/L	50	52	104	79 - 126	53	105	2		M
Toluene-d8 (S)	ug/L	50	52	104	72 - 122	52	104	0		M

Matrix Spike (4905459); Original (M2304301001); Parent Lab Sample (M2304301001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.018	92	10 - 150	M
Chloromethane	mg/Kg	0.02	.021	104	50 - 136	M
Vinyl Chloride	mg/Kg	0.02	.023	115	56 - 135	M
Bromomethane	mg/Kg	0.02	.02	102	53 - 143	M
Chloroethane	mg/Kg	0.02	.023	117	59 - 139	M
Trichlorofluoromethane	mg/Kg	0.02	.023	117	62 - 140	M
Acetone	mg/Kg	0.02	.02	102	36 - 164	M
1,1-Dichloroethylene	mg/Kg	0.02	.022	112	70 - 131	M
Methylene Chloride	mg/Kg	0.02	.016	83	70 - 128	M
Carbon Disulfide	mg/Kg	0.02	.018	93	63 - 132	M
trans-1,2-Dichloroethylene	mg/Kg	0.02	.022	110	74 - 125	M





FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4629 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343005, M2304343006, M2304343007, M2304343008, M2304343009, M2304343010, M2304343011, M2304343012, M2304343013

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	.021	106	73 - 125	M
1,1-Dichloroethane	mg/Kg	0.02	.022	109	76 - 125	M
2-Butanone (MEK)	mg/Kg	0.02	.023	114	51 - 148	M
cis-1,2-Dichloroethylene	mg/Kg	0.02	.021	106	77 - 123	M
Chloroform	mg/Kg	0.02	.022	110	78 - 123	M
1,2-Dichloroethane	mg/Kg	0.02	.021	106	73 - 128	M
1,1,1-Trichloroethane	mg/Kg	0.02	.021	105	73 - 130	M
Carbon Tetrachloride	mg/Kg	0.02	.02	101	70 - 135	M
Benzene	mg/Kg	0.02	.02	99	77 - 121	M
1,2-Dichloropropane	mg/Kg	0.02	.021	105	76 - 123	M
Trichloroethene	mg/Kg	0.02	.021	106	77 - 123	M
Bromodichloromethane	mg/Kg	0.02	.019	98	75 - 127	M
cis-1,3-Dichloropropene	mg/Kg	0.02	.019	96	74 - 126	M
4-Methyl-2-pentanone (MIBK)	mg/Kg	0.02	.022	110	65 - 135	M
trans-1,3-Dichloropropylene	mg/Kg	0.02	.019	98	71 - 130	M
1,1,2-Trichloroethane	mg/Kg	0.02	.02	99	78 - 121	M
Toluene	mg/Kg	0.02	.02	100	77 - 121	M
2-Hexanone	mg/Kg	0.02	.022	112	53 - 145	M
Dibromochloromethane	mg/Kg	0.02	.018	92	74 - 126	M
Ethylene Dibromide (EDB)	mg/Kg	0.02	.019	96	78 - 122	M
Tetrachloroethylene (PCE)	mg/Kg	0.02	.018	92	73 - 128	M
Chlorobenzene	mg/Kg	0.02	.019	95	79 - 120	M
Ethylbenzene	mg/Kg	0.02	.019	98	76 - 122	M
Bromoform	mg/Kg	0.02	.016	82	67 - 132	M
Styrene	mg/Kg	0.02	.018	89	76 - 124	M
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.02	102	70 - 124	M
Isopropylbenzene	mg/Kg	0.02	.023	115	68 - 134	M
1,3-Dichlorobenzene	mg/Kg	0.02	.021	105	77 - 121	M
1,4-Dichlorobenzene	mg/Kg	0.02	.019	95	75 - 120	M
1,2-Dichlorobenzene	mg/Kg	0.02	.019	94	78 - 121	M
1,2-Dibromo-3-Chloropropane	mg/Kg	0.02	.021	106	61 - 132	M
1,2,4-Trichlorobenzene	mg/Kg	0.02	.02	100	67 - 129	M
Xylene (Total)	mg/Kg	0.0590	.057	97	78 - 124	M
1,1-Dichloropropene	mg/Kg	0.02	.021	107	76 - 125	M

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Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4629 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343005, M2304343006, M2304343007, M2304343008, M2304343009, M2304343010, M2304343011, M2304343012, M2304343013

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.019	94	78 - 125	M
1,2,3-Trichlorobenzene	mg/Kg	0.02	.021	105	66 - 130	M
1,2,3-Trichloropropane	mg/Kg	0.02	.024	120	73 - 125	M
1,2,4-Trimethylbenzene	mg/Kg	0.02	.021	106	75 - 123	M
1,3,5-Trimethylbenzene	mg/Kg	0.02	.022	110	73 - 124	M
1,3-Dichloropropane	mg/Kg	0.02	.019	97	77 - 121	M
2,2-Dichloropropane	mg/Kg	0.02	.02	103	67 - 133	M
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.021	105	43 - 149	M
2-Chlorotoluene	mg/Kg	0.02	.021	104	75 - 122	M
4-Chlorotoluene	mg/Kg	0.02	.02	102	72 - 124	M
Acrolein (Propenal)	mg/Kg	0.0990	.091	92	10 - 150	M
Bromobenzene	mg/Kg	0.02	.02	100	78 - 121	M
Dibromomethane	mg/Kg	0.02	.02	100	78 - 125	M
Hexachlorobutadiene	mg/Kg	0.02	.019	95	61 - 135	M
Naphthalene	mg/Kg	0.02	.02	103	62 - 129	M
n-Butylbenzene	mg/Kg	0.02	.02	103	70 - 128	M
n-propylbenzene	mg/Kg	0.02	.024	120	73 - 125	M
sec-butylbenzene	mg/Kg	0.02	.02	101	73 - 126	M
Vinyl Acetate	mg/Kg	0.02	.023	114	10 - 150	M
Acrylonitrile	mg/Kg	0.02	.023	117	65 - 134	M
Iodomethane (Methyl Iodide)	mg/Kg	0.02	.019	94	10 - 150	M
tert-butylbenzene	mg/Kg	0.02	.021	107	73 - 125	M
Bromochloromethane	mg/Kg	0.02	.02	103	78 - 125	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	112	69 - 134	M
Bromofluorobenzene (S)	ug/L	50	51	104	79 - 126	M
Toluene-d8 (S)	ug/L	50	50	102	72 - 122	M





FINAL

Workorder: Crystal Cleaners (M2304343)

QC Results

QC Batch: MSVm/4639 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343014, M2304343015, M2304343016, M2304343017, M2304343018, M2304343019, M2304343020

Method Blank(4906511)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.00098 U	mg/Kg	0.0030	0.00098	M
Chloromethane	0.00074 U	mg/Kg	0.0030	0.00074	M
Vinyl Chloride	0.00051 U	mg/Kg	0.0030	0.00051	M
Bromomethane	0.0021 U	mg/Kg	0.0030	0.0021	M
Chloroethane	0.0011 U	mg/Kg	0.0030	0.0011	M
Trichlorofluoromethane	0.00041 U	mg/Kg	0.0030	0.00041	M
Acrolein (Propenal)	0.0078 U	mg/Kg	0.015	0.0078	M
Acetone	0.0010 U	mg/Kg	0.0030	0.0010	M
1,1-Dichloroethylene	0.00052 U	mg/Kg	0.0030	0.00052	M
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	M
Acrylonitrile	0.0013 U	mg/Kg	0.0030	0.0013	M
Methylene Chloride	0.0012 U	mg/Kg	0.0030	0.0012	M
Carbon Disulfide	0.00054 U	mg/Kg	0.0030	0.00054	M
trans-1,2-Dichloroethylene	0.00047 U	mg/Kg	0.0030	0.00047	M
Methyl tert-butyl Ether (MTBE)	0.00043 U	mg/Kg	0.0030	0.00043	M
1,1-Dichloroethane	0.00041 U	mg/Kg	0.0030	0.00041	M
Vinyl Acetate	0.00044 U	mg/Kg	0.0030	0.00044	M
2-Butanone (MEK)	0.00074 U	mg/Kg	0.0030	0.00074	M
cis-1,2-Dichloroethylene	0.00045 U	mg/Kg	0.0030	0.00045	M
Bromochloromethane	0.00063 U	mg/Kg	0.0030	0.00063	M
Chloroform	0.00048 U	mg/Kg	0.0030	0.00048	M
2,2-Dichloropropane	0.00033 U	mg/Kg	0.0030	0.00033	M
1,2-Dichloroethane	0.00036 U	mg/Kg	0.0030	0.00036	M
1,1,1-Trichloroethane	0.00053 U	mg/Kg	0.0030	0.00053	M
1,1-Dichloropropene	0.00043 U	mg/Kg	0.0030	0.00043	M
Carbon Tetrachloride	0.00044 U	mg/Kg	0.0030	0.00044	M
Benzene	0.00030 U	mg/Kg	0.0030	0.00030	M
Dibromomethane	0.00057 U	mg/Kg	0.0030	0.00057	M
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0030	0.00057	M
Trichloroethene	0.00058 U	mg/Kg	0.0030	0.00058	M
Bromodichloromethane	0.00075 U	mg/Kg	0.0030	0.00075	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4639 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343014, M2304343015, M2304343016, M2304343017, M2304343018, M2304343019, M2304343020

Parameter	Results	Units	PQL	MDL	Lab
2-Chloroethyl Vinyl Ether	0.0015 U	mg/Kg	0.0030	0.0015	M
cis-1,3-Dichloropropene	0.00036 U	mg/Kg	0.0030	0.00036	M
4-Methyl-2-pentanone (MIBK)	0.00082 U	mg/Kg	0.0030	0.00082	M
trans-1,3-Dichloropropylene	0.00038 U	mg/Kg	0.0030	0.00038	M
1,1,2-Trichloroethane	0.00032 U	mg/Kg	0.0030	0.00032	M
Toluene	0.00046 U	mg/Kg	0.0030	0.00046	M
1,3-Dichloropropane	0.00049 U	mg/Kg	0.0030	0.00049	M
2-Hexanone	0.00057 U	mg/Kg	0.0030	0.00057	M
Dibromochloromethane	0.00042 U	mg/Kg	0.0030	0.00042	M
Ethylene Dibromide (EDB)	0.00055 U	mg/Kg	0.0030	0.00055	M
Tetrachloroethylene (PCE)	0.00061 U	mg/Kg	0.0030	0.00061	M
1,1,1,2-Tetrachloroethane	0.00040 U	mg/Kg	0.0030	0.00040	M
Chlorobenzene	0.00037 U	mg/Kg	0.0030	0.00037	M
Ethylbenzene	0.00038 U	mg/Kg	0.0030	0.00038	M
Bromoform	0.00088 U	mg/Kg	0.0030	0.00088	M
Styrene	0.00032 U	mg/Kg	0.0030	0.00032	M
1,1,2,2-Tetrachloroethane	0.00085 U	mg/Kg	0.0030	0.00085	M
1,2,3-Trichloropropane	0.00079 U	mg/Kg	0.0030	0.00079	M
Isopropylbenzene	0.00068 U	mg/Kg	0.0030	0.00068	M
Bromobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
n-propylbenzene	0.00076 U	mg/Kg	0.0030	0.00076	M
2-Chlorotoluene	0.00075 U	mg/Kg	0.0030	0.00075	M
4-Chlorotoluene	0.0011 U	mg/Kg	0.0030	0.0011	M
1,3,5-Trimethylbenzene	0.00083 U	mg/Kg	0.0030	0.00083	M
tert-butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	M
1,2,4-Trimethylbenzene	0.00078 U	mg/Kg	0.0030	0.00078	M
sec-butylbenzene	0.00081 U	mg/Kg	0.0030	0.00081	M
1,3-Dichlorobenzene	0.0010 U	mg/Kg	0.0030	0.0010	M
1,4-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
1,2-Dichlorobenzene	0.0011 U	mg/Kg	0.0030	0.0011	M
n-Butylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	M
1,2-Dibromo-3-Chloropropane	0.00060 U	mg/Kg	0.0030	0.00060	M
1,2,4-Trichlorobenzene	0.00080 U	mg/Kg	0.0030	0.00080	M
Naphthalene	0.00067 U	mg/Kg	0.0030	0.00067	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4639 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343014, M2304343015, M2304343016, M2304343017, M2304343018, M2304343019, M2304343020

Parameter	Results	Units	PQL	MDL	Lab
Hexachlorobutadiene	0.00074 U	mg/Kg	0.0030	0.00074	M
1,2,3-Trichlorobenzene	0.00079 U	mg/Kg	0.0030	0.00079	M
Xylene (Total)	0.0011 U	mg/Kg	0.0060	0.0011	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	111	69 - 134	M
Bromofluorobenzene (S)	ug/L	50	57	113	79 - 126	M
Toluene-d8 (S)	ug/L	50	52	105	72 - 122	M

Lab Control Sample (4906513); Lab Control Sample Duplicate (4906514); Parent Lab Sample (M2304343014, M2304343015, M2304343016, M2304343017, M2304343018, M2304343019, M2304343020)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.018	88	10 - 150	.018	90	3	20	M
Chloromethane	mg/Kg	0.02	.016	82	50 - 136	.016	80	3	20	M
Vinyl Chloride	mg/Kg	0.02	.016	81	56 - 135	.018	88	8	20	M
Bromomethane	mg/Kg	0.02	.02	98	53 - 143	.02	101	2	20	M
Chloroethane	mg/Kg	0.02	.021	104	59 - 139	.02	100	4	20	M
Trichlorofluoromethane	mg/Kg	0.02	.022	108	62 - 140	.022	111	2	20	M
Acetone	mg/Kg	0.02	.018	92	36 - 164	.017	85	9	20	M
1,1-Dichloroethylene	mg/Kg	0.02	.021	106	70 - 131	.02	99	7	20	M
Methylene Chloride	mg/Kg	0.02	.018	91	70 - 128	.018	92	1	20	M
Carbon Disulfide	mg/Kg	0.02	.017	87	63 - 132	.017	84	4	20	M
trans-1,2-Dichloroethylene	mg/Kg	0.02	.021	107	74 - 125	.02	99	8	20	M
Methyl tert-butyl Ether (MT)	mg/Kg	0.02	.02	99	73 - 125	.018	90	10	20	M
1,1-Dichloroethane	mg/Kg	0.02	.021	105	76 - 125	.019	97	8	20	M
2-Butanone (MEK)	mg/Kg	0.02	.02	101	51 - 148	.018	90	11	20	M
cis-1,2-Dichloroethylene	mg/Kg	0.02	.021	104	77 - 123	.02	98	6	20	M
Chloroform	mg/Kg	0.02	.021	104	78 - 123	.02	98	6	20	M
1,2-Dichloroethane	mg/Kg	0.02	.021	107	73 - 128	.02	98	9	20	M
1,1,1-Trichloroethane	mg/Kg	0.02	.02	98	73 - 130	.019	97	2	20	M
Carbon Tetrachloride	mg/Kg	0.02	.019	95	70 - 135	.018	89	6	20	M
Benzene	mg/Kg	0.02	.019	95	77 - 121	.018	90	6	20	M
1,2-Dichloropropane	mg/Kg	0.02	.02	102	76 - 123	.019	94	9	20	M
Trichloroethene	mg/Kg	0.02	.019	94	77 - 123	.018	91	3	20	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4639 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343014, M2304343015, M2304343016, M2304343017, M2304343018, M2304343019, M2304343020

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Bromodichloromethane	mg/Kg	0.02	.019	94	75 - 127	.018	88	6	20	M
cis-1,3-Dichloropropene	mg/Kg	0.02	.018	92	74 - 126	.017	85	9	20	M
4-Methyl-2-pentanone (MIB	mg/Kg	0.02	.018	92	65 - 135	.019	95	2	20	M
trans-1,3-Dichloropropylene	mg/Kg	0.02	.019	94	71 - 130	.017	85	11	20	M
1,1,2-Trichloroethane	mg/Kg	0.02	.018	90	78 - 121	.017	85	7	20	M
Toluene	mg/Kg	0.02	.021	106	77 - 121	.022	111	4	20	M
2-Hexanone	mg/Kg	0.02	.023	115	53 - 145	.024	119	2	20	M
Dibromochloromethane	mg/Kg	0.02	.02	98	74 - 126	.019	97	1	20	M
Ethylene Dibromide (EDB)	mg/Kg	0.02	.021	103	78 - 122	.021	105	1	20	M
Tetrachloroethylene (PCE)	mg/Kg	0.02	.02	102	73 - 128	.021	106	3	20	M
Chlorobenzene	mg/Kg	0.02	.021	106	79 - 120	.021	108	2	20	M
Ethylbenzene	mg/Kg	0.02	.022	108	76 - 122	.022	111	2	20	M
Bromoform	mg/Kg	0.02	.019	93	67 - 132	.018	89	5	20	M
Styrene	mg/Kg	0.02	.02	99	76 - 124	.02	98	1	20	M
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.021	107	70 - 124	.022	109	1	20	M
Isopropylbenzene	mg/Kg	0.02	.023	117	68 - 134	.023	115	2	20	M
1,3-Dichlorobenzene	mg/Kg	0.02	.023	114	77 - 121	.02	102	12	20	M
1,4-Dichlorobenzene	mg/Kg	0.02	.021	106	75 - 120	.019	96	10	20	M
1,2-Dichlorobenzene	mg/Kg	0.02	.021	105	78 - 121	.019	95	10	20	M
1,2-Dibromo-3-Chloropropa	mg/Kg	0.02	.022	110	61 - 132	.022	108	2	20	M
1,2,4-Trichlorobenzene	mg/Kg	0.02	.021	105	67 - 129	.02	98	7	20	M
Xylene (Total)	mg/Kg	0.06	.064	106	78 - 124	.065	109	2	20	M
1,1-Dichloropropene	mg/Kg	0.02	.02	98	76 - 125	.018	93	6	20	M
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.02	102	78 - 125	.021	104	2	20	M
1,2,3-Trichlorobenzene	mg/Kg	0.02	.022	110	66 - 130	.021	103	7	20	M
1,2,3-Trichloropropane	mg/Kg	0.02	.019	94	73 - 125	.021	107	12	20	M
1,2,4-Trimethylbenzene	mg/Kg	0.02	.023	117	75 - 123	.021	106	10	20	M
1,3,5-Trimethylbenzene	mg/Kg	0.02	.024	120	73 - 124	.022	113	7	20	M
1,3-Dichloropropane	mg/Kg	0.02	.022	108	77 - 121	.022	109	1	20	M
2,2-Dichloropropane	mg/Kg	0.02	.019	96	67 - 133	.018	91	6	20	M
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.02	102	43 - 149	.019	94	9	20	M
2-Chlorotoluene	mg/Kg	0.02	.023	116	75 - 122	.021	106	9	20	M
4-Chlorotoluene	mg/Kg	0.02	.023	115	72 - 124	.021	105	9	20	M





FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4639 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343014, M2304343015, M2304343016, M2304343017, M2304343018, M2304343019, M2304343020

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Acrolein (Propenal)	mg/Kg	0.10	.086	86	10 - 150	.08	80	7	20	M
Bromobenzene	mg/Kg	0.02	.023	114	78 - 121	.021	105	9	20	M
Dibromomethane	mg/Kg	0.02	.019	97	78 - 125	.018	89	9	20	M
Hexachlorobutadiene	mg/Kg	0.02	.022	109	61 - 135	.02	98	11	20	M
Naphthalene	mg/Kg	0.02	.021	103	62 - 129	.02	99	4	20	M
n-Butylbenzene	mg/Kg	0.02	.023	114	70 - 128	.021	106	8	20	M
n-propylbenzene	mg/Kg	0.02	.023	114	73 - 125	.024	119	3	20	M
sec-butylbenzene	mg/Kg	0.02	.022	111	73 - 126	.02	102	9	20	M
Vinyl Acetate	mg/Kg	0.02	.021	106	10 - 150	.019	96	10	20	M
Acrylonitrile	mg/Kg	0.02	.022	110	65 - 134	.021	104	6	20	M
Iodomethane (Methyl Iodid	mg/Kg	0.02	.016	82	10 - 150	.017	83	1	20	M
tert-butylbenzene	mg/Kg	0.02	.024	119	73 - 125	.022	109	10	20	M
Bromochloromethane	mg/Kg	0.02	.02	100	78 - 125	.019	94	6	20	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	45	90	69 - 134	45	91	2		M
Bromofluorobenzene (S)	ug/L	50	48	96	79 - 126	49	97	2		M
Toluene-d8 (S)	ug/L	50	45	90	72 - 122	52	104	14		M

Matrix Spike (4906515); Original (M2304343014); Parent Lab Sample (M2304343014)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.015	73	10 - 150	M
Chloromethane	mg/Kg	0.02	.016	79	50 - 136	M
Vinyl Chloride	mg/Kg	0.02	.02	102	56 - 135	M
Bromomethane	mg/Kg	0.02	.022	109	53 - 143	M
Chloroethane	mg/Kg	0.02	.021	105	59 - 139	M
Trichlorofluoromethane	mg/Kg	0.02	.025	128	62 - 140	M
Acetone	mg/Kg	0.02	.022	113	36 - 164	M
1,1-Dichloroethylene	mg/Kg	0.02	.024	119	70 - 131	M
Methylene Chloride	mg/Kg	0.02	.017	86	70 - 128	M
Carbon Disulfide	mg/Kg	0.02	.02	101	63 - 132	M
trans-1,2-Dichloroethylene	mg/Kg	0.02	.023	114	74 - 125	M
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	.024	119	73 - 125	M





FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4639 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343014, M2304343015, M2304343016, M2304343017, M2304343018, M2304343019, M2304343020

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,1-Dichloroethane	mg/Kg	0.02	.023	117	76 - 125	M
2-Butanone (MEK)	mg/Kg	0.02	.022	111	51 - 148	M
cis-1,2-Dichloroethylene	mg/Kg	0.02	.024	118	77 - 123	M
Chloroform	mg/Kg	0.02	.023	115	78 - 123	M
1,2-Dichloroethane	mg/Kg	0.02	.024	119	73 - 128	M
1,1,1-Trichloroethane	mg/Kg	0.02	.022	113	73 - 130	M
Carbon Tetrachloride	mg/Kg	0.02	.021	106	70 - 135	M
Benzene	mg/Kg	0.02	.022	110	77 - 121	M
1,2-Dichloropropane	mg/Kg	0.02	.024	120	76 - 123	M
Trichloroethene	mg/Kg	0.02	.023	114	77 - 123	M
Bromodichloromethane	mg/Kg	0.02	.022	110	75 - 127	M
cis-1,3-Dichloropropene	mg/Kg	0.02	.021	107	74 - 126	M
4-Methyl-2-pentanone (MIBK)	mg/Kg	0.02	.023	114	65 - 135	M
trans-1,3-Dichloropropylene	mg/Kg	0.02	.022	110	71 - 130	M
1,1,2-Trichloroethane	mg/Kg	0.02	.023	114	78 - 121	M
Toluene	mg/Kg	0.02	.023	114	77 - 121	M
2-Hexanone	mg/Kg	0.02	.024	119	53 - 145	M
Dibromochloromethane	mg/Kg	0.02	.021	106	74 - 126	M
Ethylene Dibromide (EDB)	mg/Kg	0.02	.023	117	78 - 122	M
Tetrachloroethylene (PCE)	mg/Kg	0.02	.021	104	73 - 128	M
Chlorobenzene	mg/Kg	0.02	.022	112	79 - 120	M
Ethylbenzene	mg/Kg	0.02	.023	115	76 - 122	M
Bromoform	mg/Kg	0.02	.02	102	67 - 132	M
Styrene	mg/Kg	0.02	.02	103	76 - 124	M
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.024	120	70 - 124	M
Isopropylbenzene	mg/Kg	0.02	.023	118	68 - 134	M
1,3-Dichlorobenzene	mg/Kg	0.02	.021	107	77 - 121	M
1,4-Dichlorobenzene	mg/Kg	0.02	.02	100	75 - 120	M
1,2-Dichlorobenzene	mg/Kg	0.02	.02	102	78 - 121	M
1,2-Dibromo-3-Chloropropane	mg/Kg	0.02	.023	114	61 - 132	M
1,2,4-Trichlorobenzene	mg/Kg	0.02	.021	104	67 - 129	M
Xylene (Total)	mg/Kg	0.06	.067	112	78 - 124	M
1,1-Dichloropropene	mg/Kg	0.02	.023	115	76 - 125	M
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.021	107	78 - 125	M

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FINAL

Workorder: Crystal Cleaners (M2304343)

QC Batch: MSVm/4639 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5035
Associated Lab IDs: M2304343014, M2304343015, M2304343016, M2304343017, M2304343018, M2304343019, M2304343020

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2,3-Trichlorobenzene	mg/Kg	0.02	.021	105	66 - 130	M
1,2,3-Trichloropropane	mg/Kg	0.02	.023	114	73 - 125	M
1,2,4-Trimethylbenzene	mg/Kg	0.02	.022	109	75 - 123	M
1,3,5-Trimethylbenzene	mg/Kg	0.02	.023	113	73 - 124	M
1,3-Dichloropropane	mg/Kg	0.02	.023	115	77 - 121	M
2,2-Dichloropropane	mg/Kg	0.02	.022	110	67 - 133	M
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.024	120	43 - 149	M
2-Chlorotoluene	mg/Kg	0.02	.021	107	75 - 122	M
4-Chlorotoluene	mg/Kg	0.02	.022	109	72 - 124	M
Acrolein (Propenal)	mg/Kg	0.0990	.1	104	10 - 150	M
Bromobenzene	mg/Kg	0.02	.022	109	78 - 121	M
Dibromomethane	mg/Kg	0.02	.022	112	78 - 125	M
Hexachlorobutadiene	mg/Kg	0.02	.02	100	61 - 135	M
Naphthalene	mg/Kg	0.02	.022	110	62 - 129	M
n-Butylbenzene	mg/Kg	0.02	.022	109	70 - 128	M
n-propylbenzene	mg/Kg	0.02	.024	120	73 - 125	M
sec-butylbenzene	mg/Kg	0.02	.021	104	73 - 126	M
Vinyl Acetate	mg/Kg	0.02	.017	84	10 - 150	M
Acrylonitrile	mg/Kg	0.02	.021	107	65 - 134	M
Iodomethane (Methyl Iodide)	mg/Kg	0.02	.019	95	10 - 150	M
tert-butylbenzene	mg/Kg	0.02	.022	110	73 - 125	M
Bromochloromethane	mg/Kg	0.02	.023	117	78 - 125	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	111	69 - 134	M
Bromofluorobenzene (S)	ug/L	50	48	96	79 - 126	M
Toluene-d8 (S)	ug/L	50	49	99	72 - 122	M





FINAL

Workorder: Crystal Cleaners (M2304343)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVm/4621 - SW-846 8260D			
M2304343001	SB-3.05	MSVm/4620	SW-846 5035
M2304343002	SB-3.2	MSVm/4620	SW-846 5035
M2304343003	SB-3.4	MSVm/4620	SW-846 5035
M2304343004	SB-3.6	MSVm/4620	SW-846 5035
MSVm/4629 - SW-846 8260D			
M2304343005	SB-4.05	MSVm/4628	SW-846 5035
M2304343006	SB-4.2	MSVm/4628	SW-846 5035
M2304343007	SB-4.4	MSVm/4628	SW-846 5035
M2304343008	SB-4.6	MSVm/4628	SW-846 5035
M2304343009	SB-5.05	MSVm/4628	SW-846 5035
M2304343010	SB-5.2	MSVm/4628	SW-846 5035
M2304343011	SB-5.4	MSVm/4628	SW-846 5035
M2304343012	SB-5.6	MSVm/4628	SW-846 5035
M2304343013	SB-6.05	MSVm/4628	SW-846 5035
MSVm/4639 - SW-846 8260D			
M2304343014	SB-6.2	MSVm/4638	SW-846 5035
M2304343015	SB-6.4	MSVm/4638	SW-846 5035
M2304343016	SB-6.6	MSVm/4638	SW-846 5035
M2304343017	SB-7.05	MSVm/4638	SW-846 5035
M2304343018	SB-7.2	MSVm/4638	SW-846 5035
M2304343019	SB-7.4	MSVm/4638	SW-846 5035
M2304343020	SB-7.6	MSVm/4638	SW-846 5035





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FINAL

Workorder: Crystal Cleaners (M2304343)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAm/12723 - SM 2540G			
M2304343002	SB-3.2		
M2304343003	SB-3.4		
M2304343004	SB-3.6		
M2304343005	SB-4.05		
M2304343006	SB-4.2		
M2304343007	SB-4.4		
M2304343008	SB-4.6		
M2304343009	SB-5.05		
M2304343010	SB-5.2		
M2304343011	SB-5.4		
M2304343012	SB-5.6		
WCAm/12724 - SM 2540G			
M2304343001	SB-3.05		
M2304343013	SB-6.05		
M2304343014	SB-6.2		
M2304343015	SB-6.4		
M2304343016	SB-6.6		
M2304343017	SB-7.05		
M2304343018	SB-7.2		
M2304343019	SB-7.4		
M2304343020	SB-7.6		

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FINAL

Workorder: Crystal Cleaners (M2304343)

Client Name: APTIM
Address: 725 US Hwy 301 S
Tampa, FL 33619
Phone: 813.612.3687
FAX:
Contact: Gregg Roberts
Sampled By: *Gregg Roberts*
Turn Around Time: ☒ STANDARD ☐ RUSH
AEL Profile: 74305

Project Name: Crystal Cleaners
Project Number: 631031381
PO Number: p-card
FDEP Facility No.:
FDEP Facility Address:

Special Instructions: ERIC, 5171

ADAPT ☐ EQUIS ☐ Other

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	DATE	SAMPLING TIME	MATRIX	NO. COUNT	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
SB-3.05		☒	8/1/23	1330	Soil	5	8260 VOC Full List		109
SB-3.2		☒	8/1/23	1330	Soil	5	8260 SP/VP VCHs		112
SB-3.4		☒	8/1/23	1340	Soil	5	8260 SP/VP VCHs		113
SB-3.6		☒	8/1/23	1340	Soil	5	8260 SP/VP VCHs		114
SB-4.05		☒	8/1/23	1340	Soil	5	8260 SP/VP VCHs		115
SB-4.2		☒	8/1/23	1340	Soil	5	8260 SP/VP VCHs		116
SB-4.4		☒	8/1/23	1340	Soil	5	8260 SP/VP VCHs		117
SB-4.6		☒	8/1/23	1340	Soil	5	8260 SP/VP VCHs		118
SB-5.05		☒	8/1/23	1340	Soil	5	8260 SP/VP VCHs		119
SB-5.2		☒	8/1/23	1340	Soil	5	8260 SP/VP VCHs		120

Matrix Code: WW = wastewater SV = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge
Received on ice ☒ Yes ☐ No Temp taken from sample ☐ Temp from blank ☐ Volumes required, pH checked
Device used for measuring Temp by unbranded identifier (code R temp gun used) J BA G-LT-1 LT-2 T 10A A SA W-3 S-1V F-1A
Temp. when received (observed): 4.0 °C Temp. when received (corrected): 4.0 °C
Preservation Code: 1 = (Ice H+HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Requisitioned by: *Gregg Roberts* Date: 8/1/23 Time: 1354
Received by: *Gregg Roberts* Date: 8/1/23 Time: 1354

FOR DRINKING WATER USE:
Contact Person: _____ Phone: _____
Supplier of Water: _____
Site Address: _____



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Altamonte Springs: 381 Northline Blvd., Ste. 104E, Ft. 32701 • 407.397.1544 • Lab
Fort Myers: 13100 Winkler Ave., Ste. 10, Ft. 33913 • 239.614.1191 • Lab ID: E244
Jacksonville: 6881 Southport Hwy., Ft. 32213 • 904.882.1500 • Lab ID: E2574
Tallahassee: 259 North Monroe St., Suite D, Ft. 32303 • 904.218.6274 • Lab ID: E21095

Miramar: 10200 USA Today Way, Ft. 33025 • 954.889.2288 • Lab ID: E2626
Tampa: 6810 Prosser Park Ave., Ft. 33619 • 813.620.7918 • Lab ID: E24689

* M 2 3 0 4 3 4 3 *

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10200 USA Today Way Miramar, FL 33025
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (954) 889-2288
Fax: (954) 889-2281

FINAL

Workorder: Crystal Cleaners (M2304343)

Client Name: APTIM		Project Name: Crystal Cleaners	
Address: 725 US Hwy 301 S		Project Number: 631031384	
Tampa, FL 33619		PO Number: p-card	
Phone: 813.612.3687		FDEP Facility No:	
FAX:		FDEP Facility Address:	
Contact: Gregg Roberts		Special Instructions: ERIC, 5171	
Sampled By: <i>Gregg Roberts</i>		Adapt: ☐ EQUIS ☐ Other	
Turn Around Time: 15 MIN			
AEL Profile: 74305			

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT	PRESERVATION	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
			DATE	TIME						
58-5.4		G	8/10	11:00	Soil	5	✓	8060 VOCs (Full List)		009
58-5.6		G	8/10	12:00	Soil	5	✓	8060 SLP MOHs		012
58-6.05		G	8/10	09:30	Soil	5	✓	HOLD Pending Analysis		015
58-6.2		G	8/10	09:35	Soil	5	✓			014
58-6.4		G	8/10	09:40	Soil	5	✓			015
58-6.6		G	8/10	09:45	Soil	5	✓			014
58-7.05		G	8/10	09:00	Soil	5	✓			017
58-7.2		G	8/10	09:05	Soil	5	✓			018
58-7.4		G	8/10	09:10	Soil	5	✓			019
58-7.6		G	8/10	09:15	Soil	5	✓			020

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sudge

Received on: ☒ Yes ☐ No Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked

DCU AD-0061 Form last revised 08/07/2019

Device used for measuring Temp by unique identifier (Circle IR Temp gun used) J 9A G L1-L12 T 10A A 3A S 1V F 1A

Temp when received (observed) 74.0 °C Temp when received (approved) 74.0 °C

FOR DRINKING WATER USE: PWS ID: _____

Contact Person: _____ Phone: _____

Supplier of Water: _____

Site Address: _____



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Altamonte Springs, 380 Northlake Blvd, Ste. 106, FL 32714
Cort Mears, 3100 Westlake, Tampa, Ste. 10, FL 33613-2800
Jacksonville, 6801 Southport Pkwy, FL 32216-5043 S3590 LAD ID: E82574
Tallahassee, 2050 North Monroe St., Suite D, FL 32303-6021 6274 LAD ID: E81955

Altamonte Springs, 380 Northlake Blvd, Ste. 106, FL 32714
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Phone: (407) 937-1594
Fax: (407) 937-1597

FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

August 21, 2023

Mr. Gregg Roberts
APTIM
725 US Hwy 301 South
Tampa, FL 33619

RE: Workorder: A2309044 CRYSTAL CLEANERS

Dear Mr. Gregg Roberts:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday August 11, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sue Bell, Sr Project Manager
SBell@aellab.com

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
A2309044001	DGS-1 12	WA	SW-846 8260D	08/09/2023 08:55	08/11/2023 09:45	68	NA
A2309044002	DGS-1 24	WA	SW-846 8260D	08/09/2023 09:30	08/11/2023 09:45	68	NA
A2309044003	DGS-1 38	WA	SW-846 8260D	08/09/2023 10:00	08/11/2023 09:45	68	NA
A2309044004	DGS-2 12	WA	SW-846 8260D	08/09/2023 10:45	08/11/2023 09:45	68	NA
A2309044005	DGS-2 24	WA	SW-846 8260D	08/09/2023 11:10	08/11/2023 09:45	68	NA
A2309044006	DGS-2 38	WA	SW-846 8260D	08/09/2023 11:40	08/11/2023 09:45	68	NA
A2309044007	DGS-3 12	WA	SW-846 8260D	08/09/2023 13:00	08/11/2023 09:45	68	NA
A2309044008	DGS-3 24	WA	SW-846 8260D	08/09/2023 13:20	08/11/2023 09:45	68	NA
A2309044009	DGS-3 38	WA	SW-846 8260D	08/09/2023 13:55	08/11/2023 09:45	68	NA
A2309044010	DGS-4 12	WA	SW-846 8260D	08/09/2023 15:00	08/11/2023 09:45	68	NA
A2309044011	DGS-4 24	WA	SW-846 8260D	08/09/2023 15:20	08/11/2023 09:45	68	NA
A2309044012	DGS-4 38	WA	SW-846 8260D	08/09/2023 15:40	08/11/2023 09:45	68	NA
A2309044013	DGS-5 12	WA	SW-846 8260D	08/10/2023 07:40	08/11/2023 09:45	68	NA
A2309044014	DGS-5 24	WA	SW-846 8260D	08/10/2023 08:05	08/11/2023 09:45	68	NA
A2309044015	DGS-5 38	WA	SW-846 8260D	08/10/2023 08:25	08/11/2023 09:45	68	NA
A2309044016	DGS-6 12	WA	SW-846 8260D	08/10/2023 08:50	08/11/2023 09:45	68	NA
A2309044017	DGS-6-24	WA	SW-846 8260D	08/10/2023 09:10	08/11/2023 09:45	68	NA
A2309044018	DGS-6 38	WA	SW-846 8260D	08/10/2023 09:30	08/11/2023 09:45	68	NA
A2309044019	DGS-7 12	WA	SW-846 8260D	08/10/2023 10:00	08/11/2023 09:45	68	NA
A2309044020	DGS-7 24	WA	SW-846 8260D	08/10/2023 10:20	08/11/2023 09:45	68	NA
A2309044021	DGS-7 38	WA	SW-846 8260D	08/10/2023 10:45	08/11/2023 09:45	68	NA
A2309044022	DGS-8 12	WA	SW-846 8260D	08/10/2023 11:20	08/11/2023 09:45	68	NA
A2309044023	DGS-8 24	WA	SW-846 8260D	08/10/2023 11:35	08/11/2023 09:45	68	NA
A2309044024	DGS-8 38	WA	SW-846 8260D	08/10/2023 12:00	08/11/2023 09:45	68	NA
A2309044025	DGS-9 12	WA	SW-846 8260D	08/10/2023 12:55	08/11/2023 09:45	68	NA
A2309044026	DGS-9 24	WA	SW-846 8260D	08/10/2023 12:35	08/11/2023 09:45	68	NA
A2309044027	DGS-9 38	WA	SW-846 8260D	08/10/2023 13:25	08/11/2023 09:45	68	NA
A2309044028	PZ-01	WA	SW-846 8260D	08/10/2023 09:45	08/11/2023 09:45	68	NA
A2309044029	PZ-02	WA	SW-846 8260D	08/10/2023 08:15	08/11/2023 09:45	68	NA
A2309044030	PZ 03	WA	SW-846 8260D	08/10/2023 12:35	08/11/2023 09:45	68	NA
A2309044031	MW-1	WA	SW-846 8260D	08/10/2023 15:00	08/11/2023 09:45	68	NA

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Workorder Summary

Batch Comments

MSVt/7263 - 8260D Analysis,Water

The following sample was run initially at a 10X dilution due to strong odor detected from the sample by the analyst during sample preparation: T2315939002. The dilution performed on sample T2315939002 was validated by the following analyte concentrations recovered at dilution: 63.62271 ug/L ethylbenzene & 22.42505 ug/L naphthalene.

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044001
Sample ID: DGS-1 12

Date Collected: 08/09/2023 08:55
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/16/2023 20:33	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 20:33	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/16/2023 20:33	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 20:33	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 20:33	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 20:33	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 20:33	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 20:33	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/16/2023 20:33	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/16/2023 20:33	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 20:33	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/16/2023 20:33	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 20:33	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 20:33	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/16/2023 20:33	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 20:33	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 20:33	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 20:33	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 20:33	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 20:33	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 20:33	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/16/2023 20:33	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 20:33	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 20:33	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 20:33	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 20:33	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044001
Sample ID: DGS-1 12

Date Collected: 08/09/2023 08:55
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/16/2023 20:33	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/16/2023 20:33	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/16/2023 20:33	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/16/2023 20:33	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 20:33	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 20:33	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 20:33	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 20:33	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 20:33	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 20:33	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 20:33	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 20:33	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 20:33	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 20:33	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 20:33	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 20:33	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 20:33	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/16/2023 20:33	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 20:33	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 20:33	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 20:33	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/16/2023 20:33	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 20:33	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/16/2023 20:33	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 20:33	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/16/2023 20:33	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 20:33	T

Monday, August 21, 2023 1:54:45 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044001
Sample ID: DGS-1 12

Date Collected: 08/09/2023 08:55
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 20:33	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/16/2023 20:33	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 20:33	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 20:33	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 20:33	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 20:33	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/16/2023 20:33	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 20:33	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 20:33	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/16/2023 20:33	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 20:33	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 20:33	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 20:33	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 20:33	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 20:33	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	47	94	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	97	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	60	119	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044002
Sample ID: DGS-1 24

Date Collected: 08/09/2023 09:30
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/16/2023 20:59	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 20:59	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/16/2023 20:59	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 20:59	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 20:59	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 20:59	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 20:59	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 20:59	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/16/2023 20:59	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/16/2023 20:59	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 20:59	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/16/2023 20:59	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 20:59	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 20:59	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/16/2023 20:59	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 20:59	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 20:59	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 20:59	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 20:59	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 20:59	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 20:59	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/16/2023 20:59	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 20:59	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 20:59	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 20:59	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 20:59	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044002
Sample ID: DGS-1 24

Date Collected: 08/09/2023 09:30
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/16/2023 20:59	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/16/2023 20:59	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/16/2023 20:59	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/16/2023 20:59	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 20:59	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 20:59	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 20:59	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 20:59	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 20:59	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 20:59	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 20:59	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 20:59	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 20:59	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 20:59	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 20:59	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 20:59	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 20:59	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/16/2023 20:59	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 20:59	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 20:59	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 20:59	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/16/2023 20:59	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 20:59	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/16/2023 20:59	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 20:59	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/16/2023 20:59	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 20:59	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044002
Sample ID: DGS-1 24

Date Collected: 08/09/2023 09:30
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 20:59	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/16/2023 20:59	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 20:59	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 20:59	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 20:59	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 20:59	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/16/2023 20:59	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 20:59	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 20:59	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/16/2023 20:59	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 20:59	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 20:59	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 20:59	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 20:59	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 20:59	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	47	94	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	61	121	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044003
Sample ID: DGS-1 38

Date Collected: 08/09/2023 10:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/16/2023 21:24	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 21:24	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/16/2023 21:24	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 21:24	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 21:24	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 21:24	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 21:24	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 21:24	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/16/2023 21:24	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/16/2023 21:24	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 21:24	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/16/2023 21:24	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 21:24	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 21:24	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/16/2023 21:24	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 21:24	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 21:24	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 21:24	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 21:24	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 21:24	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 21:24	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/16/2023 21:24	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 21:24	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 21:24	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 21:24	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 21:24	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044003
Sample ID: DGS-1 38

Date Collected: 08/09/2023 10:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/16/2023 21:24	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/16/2023 21:24	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/16/2023 21:24	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/16/2023 21:24	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 21:24	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 21:24	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 21:24	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 21:24	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 21:24	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 21:24	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 21:24	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 21:24	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 21:24	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 21:24	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 21:24	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 21:24	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 21:24	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/16/2023 21:24	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 21:24	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 21:24	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 21:24	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/16/2023 21:24	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 21:24	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/16/2023 21:24	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 21:24	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/16/2023 21:24	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 21:24	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044003
Sample ID: DGS-1 38

Date Collected: 08/09/2023 10:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 21:24	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/16/2023 21:24	T
Trichloroethene	0.55 I	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 21:24	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 21:24	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 21:24	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 21:24	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/16/2023 21:24	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 21:24	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 21:24	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/16/2023 21:24	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 21:24	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 21:24	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 21:24	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 21:24	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 21:24	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	95	70 - 128	T
Toluene-d8 (S)	ug/L	50	53	106	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	57	114	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044004
Sample ID: DGS-2 12

Date Collected: 08/09/2023 10:45
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/16/2023 21:50	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 21:50	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/16/2023 21:50	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 21:50	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 21:50	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 21:50	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 21:50	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 21:50	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/16/2023 21:50	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/16/2023 21:50	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 21:50	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/16/2023 21:50	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 21:50	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 21:50	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/16/2023 21:50	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 21:50	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 21:50	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 21:50	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 21:50	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 21:50	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 21:50	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/16/2023 21:50	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 21:50	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 21:50	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 21:50	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 21:50	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044004
Sample ID: DGS-2 12

Date Collected: 08/09/2023 10:45
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/16/2023 21:50	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/16/2023 21:50	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/16/2023 21:50	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/16/2023 21:50	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 21:50	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 21:50	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 21:50	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 21:50	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 21:50	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 21:50	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 21:50	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 21:50	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 21:50	T
Chloroform	0.54 I	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 21:50	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 21:50	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 21:50	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 21:50	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/16/2023 21:50	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 21:50	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 21:50	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 21:50	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/16/2023 21:50	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 21:50	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/16/2023 21:50	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 21:50	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/16/2023 21:50	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 21:50	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044004
Sample ID: DGS-2 12

Date Collected: 08/09/2023 10:45
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.46 I	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 21:50	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/16/2023 21:50	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 21:50	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 21:50	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 21:50	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 21:50	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/16/2023 21:50	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 21:50	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 21:50	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/16/2023 21:50	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 21:50	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 21:50	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 21:50	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 21:50	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 21:50	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	95	70 - 128	T
Toluene-d8 (S)	ug/L	50	52	104	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	57	113	86 - 123	T

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Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044005
Sample ID: DGS-2 24

Date Collected: 08/09/2023 11:10
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/16/2023 22:16	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 22:16	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/16/2023 22:16	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 22:16	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 22:16	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 22:16	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 22:16	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 22:16	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/16/2023 22:16	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/16/2023 22:16	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 22:16	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/16/2023 22:16	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 22:16	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 22:16	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/16/2023 22:16	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 22:16	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 22:16	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 22:16	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 22:16	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 22:16	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 22:16	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/16/2023 22:16	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 22:16	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 22:16	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 22:16	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 22:16	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044005
Sample ID: DGS-2 24

Date Collected: 08/09/2023 11:10
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/16/2023 22:16	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/16/2023 22:16	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/16/2023 22:16	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/16/2023 22:16	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 22:16	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 22:16	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 22:16	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 22:16	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 22:16	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 22:16	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 22:16	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 22:16	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 22:16	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 22:16	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 22:16	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 22:16	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 22:16	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/16/2023 22:16	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 22:16	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 22:16	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 22:16	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/16/2023 22:16	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 22:16	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/16/2023 22:16	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 22:16	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/16/2023 22:16	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 22:16	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044005
Sample ID: DGS-2 24

Date Collected: 08/09/2023 11:10
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 22:16	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/16/2023 22:16	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 22:16	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 22:16	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 22:16	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 22:16	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/16/2023 22:16	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 22:16	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 22:16	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/16/2023 22:16	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 22:16	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 22:16	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 22:16	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 22:16	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 22:16	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	97	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	103	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	58	116	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044006
Sample ID: DGS-2 38

Date Collected: 08/09/2023 11:40
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/16/2023 22:41	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 22:41	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/16/2023 22:41	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 22:41	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 22:41	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 22:41	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 22:41	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 22:41	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/16/2023 22:41	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/16/2023 22:41	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 22:41	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/16/2023 22:41	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 22:41	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 22:41	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/16/2023 22:41	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 22:41	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 22:41	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 22:41	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 22:41	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 22:41	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 22:41	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/16/2023 22:41	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 22:41	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 22:41	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 22:41	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 22:41	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044006
Sample ID: DGS-2 38

Date Collected: 08/09/2023 11:40
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/16/2023 22:41	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/16/2023 22:41	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/16/2023 22:41	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/16/2023 22:41	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 22:41	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 22:41	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 22:41	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 22:41	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 22:41	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 22:41	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 22:41	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 22:41	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 22:41	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 22:41	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 22:41	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 22:41	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 22:41	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/16/2023 22:41	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 22:41	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 22:41	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 22:41	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/16/2023 22:41	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 22:41	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/16/2023 22:41	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 22:41	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/16/2023 22:41	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 22:41	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044006
Sample ID: DGS-2 38

Date Collected: 08/09/2023 11:40
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 22:41	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/16/2023 22:41	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 22:41	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 22:41	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 22:41	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 22:41	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/16/2023 22:41	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 22:41	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 22:41	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/16/2023 22:41	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 22:41	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 22:41	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 22:41	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 22:41	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 22:41	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	98	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	101	77 - 119	T

Monday, August 21, 2023 1:54:45 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	58	116	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044007
Sample ID: DGS-3 12

Date Collected: 08/09/2023 13:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/16/2023 23:07	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:07	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/16/2023 23:07	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 23:07	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 23:07	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:07	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 23:07	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 23:07	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/16/2023 23:07	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/16/2023 23:07	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:07	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/16/2023 23:07	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 23:07	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 23:07	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/16/2023 23:07	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:07	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 23:07	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 23:07	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 23:07	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 23:07	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 23:07	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/16/2023 23:07	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 23:07	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 23:07	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 23:07	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 23:07	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044007
Sample ID: DGS-3 12

Date Collected: 08/09/2023 13:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/16/2023 23:07	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/16/2023 23:07	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/16/2023 23:07	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/16/2023 23:07	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 23:07	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 23:07	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:07	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 23:07	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 23:07	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 23:07	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:07	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 23:07	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 23:07	T
Chloroform	0.43 I	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 23:07	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:07	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 23:07	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:07	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/16/2023 23:07	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 23:07	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 23:07	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 23:07	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/16/2023 23:07	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 23:07	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/16/2023 23:07	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 23:07	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/16/2023 23:07	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 23:07	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044007
Sample ID: DGS-3 12

Date Collected: 08/09/2023 13:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 23:07	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/16/2023 23:07	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 23:07	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 23:07	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 23:07	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 23:07	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/16/2023 23:07	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:07	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 23:07	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/16/2023 23:07	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 23:07	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:07	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 23:07	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:07	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 23:07	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	97	70 - 128	T
Toluene-d8 (S)	ug/L	50	49	97	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	59	117	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044008
Sample ID: DGS-3 24

Date Collected: 08/09/2023 13:20
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/16/2023 23:33	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:33	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/16/2023 23:33	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 23:33	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 23:33	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:33	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 23:33	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 23:33	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/16/2023 23:33	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/16/2023 23:33	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:33	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/16/2023 23:33	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 23:33	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 23:33	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/16/2023 23:33	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:33	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 23:33	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 23:33	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 23:33	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 23:33	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 23:33	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/16/2023 23:33	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 23:33	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 23:33	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 23:33	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 23:33	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044008
Sample ID: DGS-3 24

Date Collected: 08/09/2023 13:20
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/16/2023 23:33	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/16/2023 23:33	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/16/2023 23:33	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/16/2023 23:33	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 23:33	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 23:33	T
Bromodichloromethane	1.6	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:33	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 23:33	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 23:33	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 23:33	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:33	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 23:33	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 23:33	T
Chloroform	9.0	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 23:33	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:33	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 23:33	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:33	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/16/2023 23:33	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 23:33	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 23:33	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 23:33	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/16/2023 23:33	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 23:33	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/16/2023 23:33	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 23:33	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/16/2023 23:33	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 23:33	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044008
Sample ID: DGS-3 24

Date Collected: 08/09/2023 13:20
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 23:33	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/16/2023 23:33	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 23:33	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 23:33	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 23:33	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 23:33	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/16/2023 23:33	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:33	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 23:33	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/16/2023 23:33	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 23:33	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:33	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 23:33	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:33	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 23:33	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	97	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	101	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	59	118	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044009
Sample ID: DGS-3 38

Date Collected: 08/09/2023 13:55
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 01:35	08/16/2023 07:10	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 01:35	08/16/2023 07:10	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 01:35	08/16/2023 07:10	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 01:35	08/16/2023 07:10	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 01:35	08/16/2023 07:10	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 01:35	08/16/2023 07:10	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 01:35	08/16/2023 07:10	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 01:35	08/16/2023 07:10	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 01:35	08/16/2023 07:10	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 01:35	08/16/2023 07:10	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 01:35	08/16/2023 07:10	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 01:35	08/16/2023 07:10	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 01:35	08/16/2023 07:10	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 01:35	08/16/2023 07:10	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 01:35	08/16/2023 07:10	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 01:35	08/16/2023 07:10	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 01:35	08/16/2023 07:10	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 01:35	08/16/2023 07:10	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 01:35	08/16/2023 07:10	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 01:35	08/16/2023 07:10	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 01:35	08/16/2023 07:10	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 01:35	08/16/2023 07:10	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 01:35	08/16/2023 07:10	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 01:35	08/16/2023 07:10	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 01:35	08/16/2023 07:10	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 01:35	08/16/2023 07:10	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044009
Sample ID: DGS-3 38

Date Collected: 08/09/2023 13:55
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 01:35	08/16/2023 07:10	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 01:35	08/16/2023 07:10	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 01:35	08/16/2023 07:10	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 01:35	08/16/2023 07:10	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 01:35	08/16/2023 07:10	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 01:35	08/16/2023 07:10	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 01:35	08/16/2023 07:10	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 01:35	08/16/2023 07:10	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 01:35	08/16/2023 07:10	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 01:35	08/16/2023 07:10	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 01:35	08/16/2023 07:10	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 01:35	08/16/2023 07:10	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 01:35	08/16/2023 07:10	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/16/2023 01:35	08/16/2023 07:10	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 01:35	08/16/2023 07:10	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 01:35	08/16/2023 07:10	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 01:35	08/16/2023 07:10	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 01:35	08/16/2023 07:10	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 01:35	08/16/2023 07:10	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 01:35	08/16/2023 07:10	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 01:35	08/16/2023 07:10	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 01:35	08/16/2023 07:10	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 01:35	08/16/2023 07:10	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 01:35	08/16/2023 07:10	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 01:35	08/16/2023 07:10	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 01:35	08/16/2023 07:10	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 01:35	08/16/2023 07:10	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044009
Sample ID: DGS-3 38

Date Collected: 08/09/2023 13:55
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 01:35	08/16/2023 07:10	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 01:35	08/16/2023 07:10	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 01:35	08/16/2023 07:10	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 01:35	08/16/2023 07:10	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 01:35	08/16/2023 07:10	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 01:35	08/16/2023 07:10	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 01:35	08/16/2023 07:10	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 01:35	08/16/2023 07:10	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 01:35	08/16/2023 07:10	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 01:35	08/16/2023 07:10	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 01:35	08/16/2023 07:10	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 01:35	08/16/2023 07:10	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 01:35	08/16/2023 07:10	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 01:35	08/16/2023 07:10	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 01:35	08/16/2023 07:10	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	46	91	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	101	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	53	107	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044010
Sample ID: DGS-4 12

Date Collected: 08/09/2023 15:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/16/2023 23:59	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:59	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/16/2023 23:59	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 23:59	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 23:59	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:59	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 23:59	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 23:59	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/16/2023 23:59	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/16/2023 23:59	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:59	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/16/2023 23:59	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 23:59	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 23:59	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/16/2023 23:59	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:59	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 23:59	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 23:59	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 23:59	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 23:59	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 23:59	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/16/2023 23:59	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 23:59	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 23:59	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 23:59	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/16/2023 23:59	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044010
Sample ID: DGS-4 12

Date Collected: 08/09/2023 15:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/16/2023 23:59	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/16/2023 23:59	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/16/2023 23:59	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/16/2023 23:59	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 23:59	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/16/2023 23:59	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:59	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 23:59	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 23:59	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 23:59	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:59	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 23:59	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 23:59	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 23:59	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:59	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/16/2023 23:59	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:59	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/16/2023 23:59	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 23:59	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 23:59	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 23:59	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/16/2023 23:59	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/16/2023 23:59	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/16/2023 23:59	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/16/2023 23:59	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/16/2023 23:59	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/16/2023 23:59	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044010
Sample ID: DGS-4 12

Date Collected: 08/09/2023 15:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/16/2023 23:59	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/16/2023 23:59	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/16/2023 23:59	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 23:59	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/16/2023 23:59	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/16/2023 23:59	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/16/2023 23:59	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:59	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 23:59	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/16/2023 23:59	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/16/2023 23:59	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/16/2023 23:59	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/16/2023 23:59	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/16/2023 23:59	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/16/2023 23:59	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	97	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	102	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	61	122	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID:	A2309044011		Date Collected:	08/09/2023 15:20			Matrix:	Water	
Sample ID:	DGS-4 24		Date Received:	08/11/2023 09:45					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
VOLATILES (SW-846 5030B/SW-846 8260D)									
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 01:35	08/16/2023 11:52	T	
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 01:35	08/16/2023 11:52	T	
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 01:35	08/16/2023 11:52	T	
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 01:35	08/16/2023 11:52	T	
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 01:35	08/16/2023 11:52	T	
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 01:35	08/16/2023 11:52	T	
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 01:35	08/16/2023 11:52	T	
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 01:35	08/16/2023 11:52	T	
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 01:35	08/16/2023 11:52	T	

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044011
Sample ID: DGS-4 24

Date Collected: 08/09/2023 15:20
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 01:35	08/16/2023 11:52	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 01:35	08/16/2023 11:52	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 01:35	08/16/2023 11:52	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 01:35	08/16/2023 11:52	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 01:35	08/16/2023 11:52	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 01:35	08/16/2023 11:52	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 01:35	08/16/2023 11:52	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 01:35	08/16/2023 11:52	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 01:35	08/16/2023 11:52	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 01:35	08/16/2023 11:52	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 01:35	08/16/2023 11:52	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 01:35	08/16/2023 11:52	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 01:35	08/16/2023 11:52	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/16/2023 01:35	08/16/2023 11:52	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 01:35	08/16/2023 11:52	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 01:35	08/16/2023 11:52	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 01:35	08/16/2023 11:52	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 01:35	08/16/2023 11:52	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 01:35	08/16/2023 11:52	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 01:35	08/16/2023 11:52	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 01:35	08/16/2023 11:52	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 01:35	08/16/2023 11:52	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 01:35	08/16/2023 11:52	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 01:35	08/16/2023 11:52	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 01:35	08/16/2023 11:52	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 01:35	08/16/2023 11:52	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 01:35	08/16/2023 11:52	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044011
Sample ID: DGS-4 24

Date Collected: 08/09/2023 15:20
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 01:35	08/16/2023 11:52	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 01:35	08/16/2023 11:52	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 01:35	08/16/2023 11:52	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 01:35	08/16/2023 11:52	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 01:35	08/16/2023 11:52	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 01:35	08/16/2023 11:52	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 01:35	08/16/2023 11:52	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 01:35	08/16/2023 11:52	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 01:35	08/16/2023 11:52	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 01:35	08/16/2023 11:52	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 01:35	08/16/2023 11:52	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 01:35	08/16/2023 11:52	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 01:35	08/16/2023 11:52	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 01:35	08/16/2023 11:52	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 01:35	08/16/2023 11:52	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	97	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	101	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	60	119	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044012
Sample ID: DGS-4 38

Date Collected: 08/09/2023 15:40
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/17/2023 00:24	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 00:24	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/17/2023 00:24	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 00:24	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 00:24	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 00:24	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 00:24	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 00:24	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/17/2023 00:24	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/17/2023 00:24	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 00:24	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/17/2023 00:24	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 00:24	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 00:24	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/17/2023 00:24	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 00:24	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 00:24	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 00:24	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 00:24	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 00:24	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 00:24	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/17/2023 00:24	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 00:24	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 00:24	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 00:24	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 00:24	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044012
Sample ID: DGS-4 38

Date Collected: 08/09/2023 15:40
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/17/2023 00:24	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/17/2023 00:24	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/17/2023 00:24	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/17/2023 00:24	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 00:24	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 00:24	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 00:24	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 00:24	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 00:24	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 00:24	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 00:24	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 00:24	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 00:24	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 00:24	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 00:24	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 00:24	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 00:24	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/17/2023 00:24	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 00:24	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 00:24	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 00:24	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/17/2023 00:24	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 00:24	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/17/2023 00:24	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 00:24	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/17/2023 00:24	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 00:24	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044012
Sample ID: DGS-4 38

Date Collected: 08/09/2023 15:40
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 00:24	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/17/2023 00:24	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 00:24	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 00:24	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 00:24	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 00:24	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/17/2023 00:24	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 00:24	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 00:24	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/17/2023 00:24	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 00:24	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 00:24	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 00:24	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 00:24	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 00:24	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	99	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	60	119	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044013
Sample ID: DGS-5 12

Date Collected: 08/10/2023 07:40
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/17/2023 00:50	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 00:50	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/17/2023 00:50	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 00:50	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 00:50	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 00:50	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 00:50	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 00:50	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/17/2023 00:50	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/17/2023 00:50	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 00:50	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/17/2023 00:50	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 00:50	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 00:50	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/17/2023 00:50	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 00:50	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 00:50	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 00:50	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 00:50	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 00:50	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 00:50	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/17/2023 00:50	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 00:50	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 00:50	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 00:50	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 00:50	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044013
Sample ID: DGS-5 12

Date Collected: 08/10/2023 07:40
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/17/2023 00:50	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/17/2023 00:50	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/17/2023 00:50	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/17/2023 00:50	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 00:50	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 00:50	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 00:50	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 00:50	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 00:50	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 00:50	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 00:50	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 00:50	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 00:50	T
Chloroform	1.3	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 00:50	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 00:50	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 00:50	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 00:50	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/17/2023 00:50	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 00:50	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 00:50	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 00:50	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/17/2023 00:50	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 00:50	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/17/2023 00:50	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 00:50	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/17/2023 00:50	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 00:50	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044013
Sample ID: DGS-5 12

Date Collected: 08/10/2023 07:40
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 00:50	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/17/2023 00:50	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 00:50	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 00:50	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 00:50	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 00:50	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/17/2023 00:50	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 00:50	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 00:50	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/17/2023 00:50	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 00:50	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 00:50	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 00:50	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 00:50	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 00:50	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	99	70 - 128	T
Toluene-d8 (S)	ug/L	50	52	104	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	57	115	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044014
Sample ID: DGS-5 24

Date Collected: 08/10/2023 08:05
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/17/2023 01:16	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 01:16	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/17/2023 01:16	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 01:16	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 01:16	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 01:16	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 01:16	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 01:16	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/17/2023 01:16	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/17/2023 01:16	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 01:16	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/17/2023 01:16	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 01:16	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 01:16	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/17/2023 01:16	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 01:16	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 01:16	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 01:16	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 01:16	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 01:16	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 01:16	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/17/2023 01:16	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 01:16	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 01:16	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 01:16	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 01:16	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044014
Sample ID: DGS-5 24

Date Collected: 08/10/2023 08:05
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/17/2023 01:16	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/17/2023 01:16	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/17/2023 01:16	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/17/2023 01:16	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 01:16	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 01:16	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 01:16	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 01:16	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 01:16	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 01:16	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 01:16	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 01:16	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 01:16	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 01:16	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 01:16	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 01:16	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 01:16	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/17/2023 01:16	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 01:16	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 01:16	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 01:16	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/17/2023 01:16	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 01:16	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/17/2023 01:16	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 01:16	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/17/2023 01:16	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 01:16	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044014
Sample ID: DGS-5 24

Date Collected: 08/10/2023 08:05
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 01:16	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/17/2023 01:16	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 01:16	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 01:16	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 01:16	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 01:16	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/17/2023 01:16	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 01:16	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 01:16	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/17/2023 01:16	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 01:16	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 01:16	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 01:16	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 01:16	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 01:16	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	98	70 - 128	T
Toluene-d8 (S)	ug/L	50	52	103	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	58	116	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044015
Sample ID: DGS-5 38

Date Collected: 08/10/2023 08:25
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/17/2023 01:41	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 01:41	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/17/2023 01:41	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 01:41	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 01:41	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 01:41	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 01:41	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 01:41	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/17/2023 01:41	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/17/2023 01:41	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 01:41	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/17/2023 01:41	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 01:41	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 01:41	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/17/2023 01:41	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 01:41	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 01:41	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 01:41	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 01:41	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 01:41	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 01:41	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/17/2023 01:41	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 01:41	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 01:41	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 01:41	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 01:41	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044015
Sample ID: DGS-5 38

Date Collected: 08/10/2023 08:25
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/17/2023 01:41	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/17/2023 01:41	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/17/2023 01:41	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/17/2023 01:41	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 01:41	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 01:41	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 01:41	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 01:41	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 01:41	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 01:41	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 01:41	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 01:41	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 01:41	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 01:41	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 01:41	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 01:41	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 01:41	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/17/2023 01:41	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 01:41	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 01:41	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 01:41	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/17/2023 01:41	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 01:41	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/17/2023 01:41	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 01:41	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/17/2023 01:41	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 01:41	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044015
Sample ID: DGS-5 38

Date Collected: 08/10/2023 08:25
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 01:41	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/17/2023 01:41	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 01:41	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 01:41	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 01:41	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 01:41	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/17/2023 01:41	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 01:41	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 01:41	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/17/2023 01:41	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 01:41	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 01:41	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 01:41	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 01:41	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 01:41	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	95	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	101	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	59	117	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044016
Sample ID: DGS-6 12

Date Collected: 08/10/2023 08:50
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/17/2023 02:07	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:07	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/17/2023 02:07	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 02:07	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 02:07	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:07	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 02:07	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 02:07	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/17/2023 02:07	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/17/2023 02:07	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:07	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/17/2023 02:07	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 02:07	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 02:07	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/17/2023 02:07	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:07	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 02:07	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 02:07	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 02:07	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 02:07	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 02:07	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/17/2023 02:07	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 02:07	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 02:07	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 02:07	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 02:07	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044016
Sample ID: DGS-6 12

Date Collected: 08/10/2023 08:50
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/17/2023 02:07	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/17/2023 02:07	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/17/2023 02:07	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/17/2023 02:07	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 02:07	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 02:07	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:07	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 02:07	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 02:07	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 02:07	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:07	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 02:07	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 02:07	T
Chloroform	0.46 I	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 02:07	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:07	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 02:07	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:07	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/17/2023 02:07	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 02:07	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 02:07	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 02:07	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/17/2023 02:07	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 02:07	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/17/2023 02:07	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 02:07	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/17/2023 02:07	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 02:07	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044016
Sample ID: DGS-6 12

Date Collected: 08/10/2023 08:50
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 02:07	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/17/2023 02:07	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 02:07	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 02:07	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 02:07	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 02:07	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/17/2023 02:07	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:07	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 02:07	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/17/2023 02:07	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 02:07	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:07	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 02:07	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:07	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 02:07	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	97	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	101	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	57	114	86 - 123	T

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Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044017 Date Collected: 08/10/2023 09:10 Matrix: Water
Sample ID: DGS-6-24 Date Received: 08/11/2023 09:45

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/17/2023 02:33	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:33	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/17/2023 02:33	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 02:33	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 02:33	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:33	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 02:33	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 02:33	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/17/2023 02:33	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/17/2023 02:33	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:33	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/17/2023 02:33	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 02:33	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 02:33	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/17/2023 02:33	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:33	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 02:33	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 02:33	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 02:33	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 02:33	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 02:33	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/17/2023 02:33	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 02:33	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 02:33	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 02:33	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 02:33	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044017
Sample ID: DGS-6-24

Date Collected: 08/10/2023 09:10
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/17/2023 02:33	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/17/2023 02:33	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/17/2023 02:33	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/17/2023 02:33	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 02:33	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 02:33	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:33	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 02:33	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 02:33	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 02:33	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:33	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 02:33	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 02:33	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 02:33	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:33	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 02:33	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:33	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/17/2023 02:33	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 02:33	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 02:33	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 02:33	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/17/2023 02:33	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 02:33	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/17/2023 02:33	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 02:33	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/17/2023 02:33	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 02:33	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044017
Sample ID: DGS-6-24

Date Collected: 08/10/2023 09:10
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 02:33	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/17/2023 02:33	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 02:33	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 02:33	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 02:33	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 02:33	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/17/2023 02:33	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:33	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 02:33	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/17/2023 02:33	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 02:33	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:33	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 02:33	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:33	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 02:33	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	97	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	103	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	57	114	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044018
Sample ID: DGS-6 38

Date Collected: 08/10/2023 09:30
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/17/2023 02:58	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:58	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/17/2023 02:58	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 02:58	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 02:58	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:58	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 02:58	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 02:58	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/17/2023 02:58	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/17/2023 02:58	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:58	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/17/2023 02:58	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 02:58	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 02:58	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/17/2023 02:58	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:58	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 02:58	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 02:58	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 02:58	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 02:58	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 02:58	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/17/2023 02:58	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 02:58	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 02:58	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 02:58	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 02:58	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044018
Sample ID: DGS-6 38

Date Collected: 08/10/2023 09:30
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/17/2023 02:58	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/17/2023 02:58	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/17/2023 02:58	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/17/2023 02:58	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 02:58	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 02:58	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:58	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 02:58	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 02:58	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 02:58	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:58	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 02:58	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 02:58	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 02:58	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:58	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 02:58	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:58	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/17/2023 02:58	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 02:58	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 02:58	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 02:58	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/17/2023 02:58	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 02:58	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/17/2023 02:58	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 02:58	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/17/2023 02:58	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 02:58	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044018
Sample ID: DGS-6 38

Date Collected: 08/10/2023 09:30
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 02:58	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/17/2023 02:58	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 02:58	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 02:58	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 02:58	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 02:58	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/17/2023 02:58	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:58	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 02:58	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/17/2023 02:58	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 02:58	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 02:58	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 02:58	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 02:58	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 02:58	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	101	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	101	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	58	115	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044019
Sample ID: DGS-7 12

Date Collected: 08/10/2023 10:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/16/2023 17:07	08/17/2023 03:24	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 03:24	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/16/2023 17:07	08/17/2023 03:24	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 03:24	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 03:24	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 03:24	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 03:24	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 03:24	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/16/2023 17:07	08/17/2023 03:24	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/16/2023 17:07	08/17/2023 03:24	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 03:24	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/16/2023 17:07	08/17/2023 03:24	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 03:24	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 03:24	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/16/2023 17:07	08/17/2023 03:24	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 03:24	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 03:24	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 03:24	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 03:24	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 03:24	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 03:24	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/16/2023 17:07	08/17/2023 03:24	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 03:24	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 03:24	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 03:24	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/16/2023 17:07	08/17/2023 03:24	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044019
Sample ID: DGS-7 12

Date Collected: 08/10/2023 10:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/16/2023 17:07	08/17/2023 03:24	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/16/2023 17:07	08/17/2023 03:24	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/16/2023 17:07	08/17/2023 03:24	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/16/2023 17:07	08/17/2023 03:24	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 03:24	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/16/2023 17:07	08/17/2023 03:24	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 03:24	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 03:24	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 03:24	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 03:24	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 03:24	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 03:24	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 03:24	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 03:24	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 03:24	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/16/2023 17:07	08/17/2023 03:24	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 03:24	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/16/2023 17:07	08/17/2023 03:24	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 03:24	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 03:24	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 03:24	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/16/2023 17:07	08/17/2023 03:24	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/16/2023 17:07	08/17/2023 03:24	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/16/2023 17:07	08/17/2023 03:24	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/16/2023 17:07	08/17/2023 03:24	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/16/2023 17:07	08/17/2023 03:24	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/16/2023 17:07	08/17/2023 03:24	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044019
Sample ID: DGS-7 12

Date Collected: 08/10/2023 10:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/16/2023 17:07	08/17/2023 03:24	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/16/2023 17:07	08/17/2023 03:24	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/16/2023 17:07	08/17/2023 03:24	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 03:24	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/16/2023 17:07	08/17/2023 03:24	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/16/2023 17:07	08/17/2023 03:24	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/16/2023 17:07	08/17/2023 03:24	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 03:24	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 03:24	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/16/2023 17:07	08/17/2023 03:24	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/16/2023 17:07	08/17/2023 03:24	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/16/2023 17:07	08/17/2023 03:24	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/16/2023 17:07	08/17/2023 03:24	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/16/2023 17:07	08/17/2023 03:24	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/16/2023 17:07	08/17/2023 03:24	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	99	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	103	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	56	112	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044020
Sample ID: DGS-7 24

Date Collected: 08/10/2023 10:20
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/17/2023 04:15	08/17/2023 06:49	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 06:49	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/17/2023 04:15	08/17/2023 06:49	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 06:49	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 06:49	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 06:49	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 06:49	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 06:49	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/17/2023 04:15	08/17/2023 06:49	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/17/2023 04:15	08/17/2023 06:49	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 06:49	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/17/2023 04:15	08/17/2023 06:49	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 06:49	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 06:49	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/17/2023 04:15	08/17/2023 06:49	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 06:49	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 06:49	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 06:49	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 06:49	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 06:49	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 06:49	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/17/2023 04:15	08/17/2023 06:49	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 06:49	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 06:49	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 06:49	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 06:49	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044020
Sample ID: DGS-7 24

Date Collected: 08/10/2023 10:20
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/17/2023 04:15	08/17/2023 06:49	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/17/2023 04:15	08/17/2023 06:49	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/17/2023 04:15	08/17/2023 06:49	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/17/2023 04:15	08/17/2023 06:49	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 06:49	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 06:49	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 06:49	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 06:49	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 06:49	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 06:49	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 06:49	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 06:49	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 06:49	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 06:49	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 06:49	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 06:49	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 06:49	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/17/2023 04:15	08/17/2023 06:49	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 06:49	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 06:49	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 06:49	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/17/2023 04:15	08/17/2023 06:49	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 06:49	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/17/2023 04:15	08/17/2023 06:49	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 06:49	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/17/2023 04:15	08/17/2023 06:49	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 06:49	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044020
Sample ID: DGS-7 24

Date Collected: 08/10/2023 10:20
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 06:49	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/17/2023 04:15	08/17/2023 06:49	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 06:49	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 06:49	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 06:49	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 06:49	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/17/2023 04:15	08/17/2023 06:49	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 06:49	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 06:49	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/17/2023 04:15	08/17/2023 06:49	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 06:49	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 06:49	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 06:49	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 06:49	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 06:49	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	96	70 - 128	T
Toluene-d8 (S)	ug/L	50	52	103	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	61	123	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044021
Sample ID: DGS-7 38

Date Collected: 08/10/2023 10:45
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/17/2023 04:15	08/17/2023 07:14	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 07:14	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/17/2023 04:15	08/17/2023 07:14	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 07:14	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 07:14	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 07:14	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 07:14	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 07:14	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/17/2023 04:15	08/17/2023 07:14	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/17/2023 04:15	08/17/2023 07:14	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 07:14	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/17/2023 04:15	08/17/2023 07:14	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 07:14	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 07:14	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/17/2023 04:15	08/17/2023 07:14	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 07:14	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 07:14	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 07:14	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 07:14	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 07:14	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 07:14	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/17/2023 04:15	08/17/2023 07:14	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 07:14	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 07:14	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 07:14	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 07:14	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044021
Sample ID: DGS-7 38

Date Collected: 08/10/2023 10:45
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/17/2023 04:15	08/17/2023 07:14	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/17/2023 04:15	08/17/2023 07:14	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/17/2023 04:15	08/17/2023 07:14	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/17/2023 04:15	08/17/2023 07:14	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 07:14	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 07:14	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 07:14	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 07:14	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 07:14	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 07:14	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 07:14	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 07:14	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 07:14	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 07:14	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 07:14	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 07:14	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 07:14	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/17/2023 04:15	08/17/2023 07:14	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 07:14	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 07:14	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 07:14	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/17/2023 04:15	08/17/2023 07:14	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 07:14	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/17/2023 04:15	08/17/2023 07:14	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 07:14	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/17/2023 04:15	08/17/2023 07:14	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 07:14	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044021
Sample ID: DGS-7 38

Date Collected: 08/10/2023 10:45
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 07:14	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/17/2023 04:15	08/17/2023 07:14	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 07:14	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 07:14	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 07:14	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 07:14	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/17/2023 04:15	08/17/2023 07:14	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 07:14	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 07:14	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/17/2023 04:15	08/17/2023 07:14	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 07:14	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 07:14	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 07:14	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 07:14	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 07:14	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	98	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	102	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	60	121	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044022
Sample ID: DGS-8 12

Date Collected: 08/10/2023 11:20
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/17/2023 04:15	08/17/2023 07:40	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 07:40	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/17/2023 04:15	08/17/2023 07:40	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 07:40	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 07:40	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 07:40	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 07:40	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 07:40	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/17/2023 04:15	08/17/2023 07:40	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/17/2023 04:15	08/17/2023 07:40	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 07:40	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/17/2023 04:15	08/17/2023 07:40	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 07:40	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 07:40	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/17/2023 04:15	08/17/2023 07:40	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 07:40	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 07:40	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 07:40	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 07:40	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 07:40	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 07:40	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/17/2023 04:15	08/17/2023 07:40	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 07:40	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 07:40	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 07:40	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 07:40	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044022
Sample ID: DGS-8 12

Date Collected: 08/10/2023 11:20
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/17/2023 04:15	08/17/2023 07:40	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/17/2023 04:15	08/17/2023 07:40	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/17/2023 04:15	08/17/2023 07:40	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/17/2023 04:15	08/17/2023 07:40	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 07:40	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 07:40	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 07:40	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 07:40	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 07:40	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 07:40	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 07:40	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 07:40	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 07:40	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 07:40	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 07:40	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 07:40	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 07:40	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/17/2023 04:15	08/17/2023 07:40	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 07:40	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 07:40	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 07:40	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/17/2023 04:15	08/17/2023 07:40	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 07:40	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/17/2023 04:15	08/17/2023 07:40	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 07:40	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/17/2023 04:15	08/17/2023 07:40	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 07:40	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044022
Sample ID: DGS-8 12

Date Collected: 08/10/2023 11:20
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 07:40	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/17/2023 04:15	08/17/2023 07:40	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 07:40	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 07:40	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 07:40	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 07:40	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/17/2023 04:15	08/17/2023 07:40	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 07:40	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 07:40	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/17/2023 04:15	08/17/2023 07:40	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 07:40	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 07:40	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 07:40	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 07:40	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 07:40	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	99	70 - 128	T
Toluene-d8 (S)	ug/L	50	52	105	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	58	117	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044023
Sample ID: DGS-8 24

Date Collected: 08/10/2023 11:35
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/17/2023 04:15	08/17/2023 08:06	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:06	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/17/2023 04:15	08/17/2023 08:06	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 08:06	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 08:06	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:06	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 08:06	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 08:06	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/17/2023 04:15	08/17/2023 08:06	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/17/2023 04:15	08/17/2023 08:06	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:06	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/17/2023 04:15	08/17/2023 08:06	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 08:06	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 08:06	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/17/2023 04:15	08/17/2023 08:06	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:06	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 08:06	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 08:06	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 08:06	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 08:06	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 08:06	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/17/2023 04:15	08/17/2023 08:06	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 08:06	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 08:06	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 08:06	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 08:06	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044023
Sample ID: DGS-8 24

Date Collected: 08/10/2023 11:35
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/17/2023 04:15	08/17/2023 08:06	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/17/2023 04:15	08/17/2023 08:06	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/17/2023 04:15	08/17/2023 08:06	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/17/2023 04:15	08/17/2023 08:06	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 08:06	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 08:06	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:06	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 08:06	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 08:06	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 08:06	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:06	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 08:06	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 08:06	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 08:06	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:06	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 08:06	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:06	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/17/2023 04:15	08/17/2023 08:06	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 08:06	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 08:06	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 08:06	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/17/2023 04:15	08/17/2023 08:06	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 08:06	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/17/2023 04:15	08/17/2023 08:06	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 08:06	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/17/2023 04:15	08/17/2023 08:06	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 08:06	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044023	Date Collected: 08/10/2023 11:35					Matrix: Water		
Sample ID: DGS-8 24	Date Received: 08/11/2023 09:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 08:06	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/17/2023 04:15	08/17/2023 08:06	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 08:06	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 08:06	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 08:06	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 08:06	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/17/2023 04:15	08/17/2023 08:06	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:06	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 08:06	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/17/2023 04:15	08/17/2023 08:06	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 08:06	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:06	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 08:06	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:06	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 08:06	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	98	70 - 128	T
Toluene-d8 (S)	ug/L	50	53	106	77 - 119	T





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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	60	120	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044024
Sample ID: DGS-8 38

Date Collected: 08/10/2023 12:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/17/2023 04:15	08/17/2023 08:31	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:31	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/17/2023 04:15	08/17/2023 08:31	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 08:31	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 08:31	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:31	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 08:31	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 08:31	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/17/2023 04:15	08/17/2023 08:31	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/17/2023 04:15	08/17/2023 08:31	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:31	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/17/2023 04:15	08/17/2023 08:31	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 08:31	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 08:31	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/17/2023 04:15	08/17/2023 08:31	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:31	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 08:31	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 08:31	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 08:31	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 08:31	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 08:31	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/17/2023 04:15	08/17/2023 08:31	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 08:31	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 08:31	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 08:31	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 08:31	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044024
Sample ID: DGS-8 38

Date Collected: 08/10/2023 12:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/17/2023 04:15	08/17/2023 08:31	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/17/2023 04:15	08/17/2023 08:31	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/17/2023 04:15	08/17/2023 08:31	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/17/2023 04:15	08/17/2023 08:31	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 08:31	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 08:31	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:31	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 08:31	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 08:31	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 08:31	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:31	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 08:31	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 08:31	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 08:31	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:31	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 08:31	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:31	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/17/2023 04:15	08/17/2023 08:31	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 08:31	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 08:31	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 08:31	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/17/2023 04:15	08/17/2023 08:31	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 08:31	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/17/2023 04:15	08/17/2023 08:31	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 08:31	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/17/2023 04:15	08/17/2023 08:31	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 08:31	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044024
Sample ID: DGS-8 38

Date Collected: 08/10/2023 12:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 08:31	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/17/2023 04:15	08/17/2023 08:31	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 08:31	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 08:31	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 08:31	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 08:31	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/17/2023 04:15	08/17/2023 08:31	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:31	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 08:31	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/17/2023 04:15	08/17/2023 08:31	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 08:31	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:31	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 08:31	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:31	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 08:31	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	100	70 - 128	T
Toluene-d8 (S)	ug/L	50	53	106	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	60	120	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044025
Sample ID: DGS-9 12

Date Collected: 08/10/2023 12:55
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/17/2023 04:15	08/17/2023 08:57	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:57	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/17/2023 04:15	08/17/2023 08:57	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 08:57	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 08:57	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:57	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 08:57	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 08:57	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/17/2023 04:15	08/17/2023 08:57	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/17/2023 04:15	08/17/2023 08:57	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:57	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/17/2023 04:15	08/17/2023 08:57	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 08:57	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 08:57	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/17/2023 04:15	08/17/2023 08:57	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:57	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 08:57	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 08:57	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 08:57	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 08:57	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 08:57	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/17/2023 04:15	08/17/2023 08:57	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 08:57	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 08:57	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 08:57	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 08:57	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044025
Sample ID: DGS-9 12

Date Collected: 08/10/2023 12:55
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/17/2023 04:15	08/17/2023 08:57	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/17/2023 04:15	08/17/2023 08:57	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/17/2023 04:15	08/17/2023 08:57	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/17/2023 04:15	08/17/2023 08:57	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 08:57	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 08:57	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:57	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 08:57	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 08:57	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 08:57	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:57	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 08:57	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 08:57	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 08:57	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:57	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 08:57	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:57	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/17/2023 04:15	08/17/2023 08:57	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 08:57	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 08:57	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 08:57	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/17/2023 04:15	08/17/2023 08:57	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 08:57	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/17/2023 04:15	08/17/2023 08:57	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 08:57	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/17/2023 04:15	08/17/2023 08:57	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 08:57	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044025
Sample ID: DGS-9 12

Date Collected: 08/10/2023 12:55
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 08:57	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/17/2023 04:15	08/17/2023 08:57	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 08:57	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 08:57	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 08:57	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 08:57	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/17/2023 04:15	08/17/2023 08:57	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:57	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 08:57	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/17/2023 04:15	08/17/2023 08:57	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 08:57	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 08:57	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 08:57	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 08:57	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 08:57	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	97	70 - 128	T
Toluene-d8 (S)	ug/L	50	53	105	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	52	103	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044026
Sample ID: DGS-9 24

Date Collected: 08/10/2023 12:35
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/17/2023 04:15	08/17/2023 09:23	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 09:23	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/17/2023 04:15	08/17/2023 09:23	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 09:23	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 09:23	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 09:23	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 09:23	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 09:23	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/17/2023 04:15	08/17/2023 09:23	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/17/2023 04:15	08/17/2023 09:23	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 09:23	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/17/2023 04:15	08/17/2023 09:23	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 09:23	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 09:23	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/17/2023 04:15	08/17/2023 09:23	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 09:23	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 09:23	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 09:23	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 09:23	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 09:23	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 09:23	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/17/2023 04:15	08/17/2023 09:23	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 09:23	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 09:23	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 09:23	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 09:23	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044026
Sample ID: DGS-9 24

Date Collected: 08/10/2023 12:35
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/17/2023 04:15	08/17/2023 09:23	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/17/2023 04:15	08/17/2023 09:23	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/17/2023 04:15	08/17/2023 09:23	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/17/2023 04:15	08/17/2023 09:23	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 09:23	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 09:23	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 09:23	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 09:23	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 09:23	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 09:23	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 09:23	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 09:23	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 09:23	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 09:23	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 09:23	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 09:23	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 09:23	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/17/2023 04:15	08/17/2023 09:23	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 09:23	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 09:23	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 09:23	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/17/2023 04:15	08/17/2023 09:23	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 09:23	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/17/2023 04:15	08/17/2023 09:23	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 09:23	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/17/2023 04:15	08/17/2023 09:23	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 09:23	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044026	Date Collected: 08/10/2023 12:35					Matrix: Water		
Sample ID: DGS-9 24	Date Received: 08/11/2023 09:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 09:23	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/17/2023 04:15	08/17/2023 09:23	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 09:23	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 09:23	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 09:23	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 09:23	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/17/2023 04:15	08/17/2023 09:23	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 09:23	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 09:23	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/17/2023 04:15	08/17/2023 09:23	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 09:23	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 09:23	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 09:23	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 09:23	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 09:23	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	96	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	103	77 - 119	T





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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	60	121	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044027
Sample ID: DGS-9 38

Date Collected: 08/10/2023 13:25
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/17/2023 04:15	08/17/2023 09:49	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 09:49	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/17/2023 04:15	08/17/2023 09:49	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 09:49	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 09:49	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 09:49	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 09:49	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 09:49	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/17/2023 04:15	08/17/2023 09:49	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/17/2023 04:15	08/17/2023 09:49	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 09:49	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/17/2023 04:15	08/17/2023 09:49	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 09:49	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 09:49	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/17/2023 04:15	08/17/2023 09:49	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 09:49	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 09:49	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 09:49	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 09:49	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 09:49	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 09:49	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/17/2023 04:15	08/17/2023 09:49	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 09:49	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 09:49	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 09:49	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 09:49	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044027
Sample ID: DGS-9 38

Date Collected: 08/10/2023 13:25
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/17/2023 04:15	08/17/2023 09:49	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/17/2023 04:15	08/17/2023 09:49	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/17/2023 04:15	08/17/2023 09:49	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/17/2023 04:15	08/17/2023 09:49	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 09:49	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 09:49	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 09:49	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 09:49	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 09:49	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 09:49	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 09:49	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 09:49	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 09:49	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 09:49	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 09:49	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 09:49	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 09:49	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/17/2023 04:15	08/17/2023 09:49	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 09:49	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 09:49	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 09:49	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/17/2023 04:15	08/17/2023 09:49	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 09:49	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/17/2023 04:15	08/17/2023 09:49	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 09:49	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/17/2023 04:15	08/17/2023 09:49	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 09:49	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044027
Sample ID: DGS-9 38

Date Collected: 08/10/2023 13:25
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 09:49	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/17/2023 04:15	08/17/2023 09:49	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 09:49	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 09:49	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 09:49	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 09:49	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/17/2023 04:15	08/17/2023 09:49	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 09:49	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 09:49	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/17/2023 04:15	08/17/2023 09:49	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 09:49	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 09:49	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 09:49	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 09:49	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 09:49	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	95	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	102	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	48	95	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044028
Sample ID: PZ-01

Date Collected: 08/10/2023 09:45
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/17/2023 04:15	08/17/2023 10:15	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 10:15	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/17/2023 04:15	08/17/2023 10:15	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 10:15	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 10:15	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 10:15	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 10:15	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 10:15	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/17/2023 04:15	08/17/2023 10:15	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/17/2023 04:15	08/17/2023 10:15	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 10:15	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/17/2023 04:15	08/17/2023 10:15	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 10:15	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 10:15	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/17/2023 04:15	08/17/2023 10:15	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 10:15	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 10:15	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 10:15	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 10:15	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 10:15	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 10:15	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/17/2023 04:15	08/17/2023 10:15	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 10:15	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 10:15	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 10:15	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 10:15	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044028
Sample ID: PZ-01

Date Collected: 08/10/2023 09:45
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/17/2023 04:15	08/17/2023 10:15	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/17/2023 04:15	08/17/2023 10:15	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/17/2023 04:15	08/17/2023 10:15	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/17/2023 04:15	08/17/2023 10:15	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 10:15	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 10:15	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 10:15	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 10:15	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 10:15	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 10:15	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 10:15	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 10:15	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 10:15	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 10:15	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 10:15	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 10:15	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 10:15	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/17/2023 04:15	08/17/2023 10:15	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 10:15	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 10:15	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 10:15	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/17/2023 04:15	08/17/2023 10:15	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 10:15	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/17/2023 04:15	08/17/2023 10:15	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 10:15	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/17/2023 04:15	08/17/2023 10:15	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 10:15	T

Monday, August 21, 2023 1:54:45 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044028
Sample ID: PZ-01

Date Collected: 08/10/2023 09:45
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 10:15	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/17/2023 04:15	08/17/2023 10:15	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 10:15	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 10:15	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 10:15	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 10:15	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/17/2023 04:15	08/17/2023 10:15	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 10:15	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 10:15	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/17/2023 04:15	08/17/2023 10:15	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 10:15	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 10:15	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 10:15	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 10:15	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 10:15	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	46	91	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	103	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	61	123	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044029
Sample ID: PZ-02

Date Collected: 08/10/2023 08:15
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/17/2023 04:15	08/17/2023 10:42	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 10:42	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/17/2023 04:15	08/17/2023 10:42	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 10:42	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 10:42	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 10:42	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 10:42	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 10:42	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/17/2023 04:15	08/17/2023 10:42	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/17/2023 04:15	08/17/2023 10:42	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 10:42	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/17/2023 04:15	08/17/2023 10:42	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 10:42	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 10:42	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/17/2023 04:15	08/17/2023 10:42	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 10:42	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 10:42	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 10:42	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 10:42	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 10:42	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 10:42	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/17/2023 04:15	08/17/2023 10:42	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 10:42	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 10:42	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 10:42	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 10:42	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044029
Sample ID: PZ-02

Date Collected: 08/10/2023 08:15
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/17/2023 04:15	08/17/2023 10:42	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/17/2023 04:15	08/17/2023 10:42	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/17/2023 04:15	08/17/2023 10:42	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/17/2023 04:15	08/17/2023 10:42	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 10:42	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 10:42	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 10:42	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 10:42	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 10:42	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 10:42	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 10:42	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 10:42	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 10:42	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 10:42	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 10:42	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 10:42	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 10:42	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/17/2023 04:15	08/17/2023 10:42	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 10:42	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 10:42	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 10:42	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/17/2023 04:15	08/17/2023 10:42	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 10:42	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/17/2023 04:15	08/17/2023 10:42	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 10:42	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/17/2023 04:15	08/17/2023 10:42	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 10:42	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044029
Sample ID: PZ-02

Date Collected: 08/10/2023 08:15
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.50 I	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 10:42	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/17/2023 04:15	08/17/2023 10:42	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 10:42	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 10:42	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 10:42	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 10:42	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/17/2023 04:15	08/17/2023 10:42	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 10:42	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 10:42	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/17/2023 04:15	08/17/2023 10:42	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 10:42	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 10:42	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 10:42	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 10:42	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 10:42	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	47	93	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	101	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	59	119	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044030	Date Collected: 08/10/2023 12:35			Matrix: Water				
Sample ID: PZ 03	Date Received: 08/11/2023 09:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/17/2023 04:15	08/17/2023 11:09	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 11:09	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/17/2023 04:15	08/17/2023 11:09	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 11:09	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 11:09	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 11:09	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 11:09	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 11:09	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/17/2023 04:15	08/17/2023 11:09	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/17/2023 04:15	08/17/2023 11:09	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 11:09	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/17/2023 04:15	08/17/2023 11:09	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 11:09	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 11:09	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/17/2023 04:15	08/17/2023 11:09	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 11:09	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 11:09	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 11:09	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 11:09	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 11:09	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 11:09	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/17/2023 04:15	08/17/2023 11:09	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 11:09	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 11:09	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 11:09	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 11:09	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044030
Sample ID: PZ 03

Date Collected: 08/10/2023 12:35
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/17/2023 04:15	08/17/2023 11:09	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/17/2023 04:15	08/17/2023 11:09	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/17/2023 04:15	08/17/2023 11:09	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/17/2023 04:15	08/17/2023 11:09	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 11:09	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 11:09	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 11:09	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 11:09	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 11:09	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 11:09	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 11:09	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 11:09	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 11:09	T
Chloroform	1.2	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 11:09	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 11:09	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 11:09	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 11:09	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/17/2023 04:15	08/17/2023 11:09	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 11:09	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 11:09	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 11:09	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/17/2023 04:15	08/17/2023 11:09	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 11:09	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/17/2023 04:15	08/17/2023 11:09	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 11:09	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/17/2023 04:15	08/17/2023 11:09	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 11:09	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044030
Sample ID: PZ 03

Date Collected: 08/10/2023 12:35
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 11:09	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/17/2023 04:15	08/17/2023 11:09	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 11:09	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 11:09	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 11:09	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 11:09	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/17/2023 04:15	08/17/2023 11:09	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 11:09	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 11:09	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/17/2023 04:15	08/17/2023 11:09	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 11:09	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 11:09	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 11:09	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 11:09	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 11:09	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	97	70 - 128	T
Toluene-d8 (S)	ug/L	50	50	99	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	57	114	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044031
Sample ID: MW-1

Date Collected: 08/10/2023 15:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	1	08/17/2023 04:15	08/17/2023 11:34	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 11:34	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	08/17/2023 04:15	08/17/2023 11:34	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 11:34	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 11:34	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 11:34	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 11:34	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 11:34	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	1	08/17/2023 04:15	08/17/2023 11:34	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	1	08/17/2023 04:15	08/17/2023 11:34	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 11:34	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	1	08/17/2023 04:15	08/17/2023 11:34	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 11:34	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 11:34	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	08/17/2023 04:15	08/17/2023 11:34	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 11:34	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 11:34	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 11:34	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 11:34	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 11:34	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 11:34	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	08/17/2023 04:15	08/17/2023 11:34	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 11:34	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 11:34	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 11:34	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	1	08/17/2023 04:15	08/17/2023 11:34	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044031
Sample ID: MW-1

Date Collected: 08/10/2023 15:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	0.90 U	ug/L	2.0	0.90	1	08/17/2023 04:15	08/17/2023 11:34	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	1	08/17/2023 04:15	08/17/2023 11:34	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	1	08/17/2023 04:15	08/17/2023 11:34	T
Benzene	0.28 U	ug/L	1.0	0.28	1	08/17/2023 04:15	08/17/2023 11:34	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 11:34	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	1	08/17/2023 04:15	08/17/2023 11:34	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 11:34	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 11:34	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 11:34	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 11:34	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 11:34	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 11:34	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 11:34	T
Chloroform	0.59 I	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 11:34	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 11:34	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	08/17/2023 04:15	08/17/2023 11:34	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 11:34	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	08/17/2023 04:15	08/17/2023 11:34	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 11:34	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 11:34	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 11:34	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	1	08/17/2023 04:15	08/17/2023 11:34	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	1	08/17/2023 04:15	08/17/2023 11:34	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	08/17/2023 04:15	08/17/2023 11:34	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	08/17/2023 04:15	08/17/2023 11:34	T
Naphthalene	0.93 U	ug/L	1.0	0.93	1	08/17/2023 04:15	08/17/2023 11:34	T
Styrene	0.29 U	ug/L	1.0	0.29	1	08/17/2023 04:15	08/17/2023 11:34	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Lab ID: A2309044031
Sample ID: MW-1

Date Collected: 08/10/2023 15:00
Date Received: 08/11/2023 09:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	1	08/17/2023 04:15	08/17/2023 11:34	T
Toluene	0.66 U	ug/L	1.0	0.66	1	08/17/2023 04:15	08/17/2023 11:34	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	08/17/2023 04:15	08/17/2023 11:34	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 11:34	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	1	08/17/2023 04:15	08/17/2023 11:34	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	08/17/2023 04:15	08/17/2023 11:34	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	08/17/2023 04:15	08/17/2023 11:34	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 11:34	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 11:34	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	1	08/17/2023 04:15	08/17/2023 11:34	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	1	08/17/2023 04:15	08/17/2023 11:34	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	1	08/17/2023 04:15	08/17/2023 11:34	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	1	08/17/2023 04:15	08/17/2023 11:34	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	08/17/2023 04:15	08/17/2023 11:34	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	08/17/2023 04:15	08/17/2023 11:34	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	96	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	102	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	58	116	86 - 123	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

QC Results

QC Batch: MSVt7250
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044009, A2309044011

Analysis Method: SW-846 8260D

Method Blank(4917622)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	T
Chloromethane	0.39 U	ug/L	1.0	0.39	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	T
Bromomethane	0.32 U	ug/L	1.0	0.32	T
Chloroethane	0.42 U	ug/L	1.0	0.42	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	T
Acetone	0.90 U	ug/L	2.0	0.90	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	T
Chloroform	0.37 U	ug/L	1.0	0.37	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	T
Benzene	0.28 U	ug/L	1.0	0.28	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7250
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044009, A2309044011

Analysis Method: SW-846 8260D

Parameter	Results	Units	PQL	MDL	Lab
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	T
Toluene	0.66 U	ug/L	1.0	0.66	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	T
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	T
Bromoform	0.36 U	ug/L	1.0	0.36	T
Styrene	0.29 U	ug/L	1.0	0.29	T
1,1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7250
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044009, A2309044011

Analysis Method: SW-846 8260D

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.93 U	ug/L	1.0	0.93	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	47	94	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	59	117	86 - 123	T
Toluene-d8 (S)	ug/L	50	51	102	77 - 119	T

Lab Control Sample (4917623); Lab Control Sample Duplicate (4917624); Parent Lab Sample (A2309044009, A2309044011)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	20	98	32 - 152	19	97	0	20	T
Chloromethane	ug/L	20	20	102	50 - 139	20	102	0	20	T
Vinyl Chloride	ug/L	20	21	106	58 - 137	21	105	0	20	T
Bromomethane	ug/L	20	20	98	10 - 150	20	98	0	20	T
Chloroethane	ug/L	20	22	112	60 - 138	22	112	0	20	T
Trichlorofluoromethane	ug/L	20	18	90	65 - 141	18	90	0	20	T
Acrolein (Propenal)	ug/L	100	82	82	39 - 155	81	81	0	20	T
Acetone	ug/L	20	16	81	39 - 160	16	81	0	20	T
1,1-Dichloroethylene	ug/L	20	21	103	71 - 131	20	102	0	20	T
Iodomethane (Methyl Iodid	ug/L	20	22	111	10 - 150	22	110	0	20	T
Acrylonitrile	ug/L	20	17	83	63 - 135	17	83	0	20	T
Methylene Chloride	ug/L	20	21	103	74 - 124	21	103	0	20	T
Carbon Disulfide	ug/L	20	21	105	64 - 133	21	104	0	20	T
trans-1,2-Dichloroethylene	ug/L	20	21	106	75 - 124	21	106	0	20	T
Methyl tert-butyl Ether (MT	ug/L	20	20	98	71 - 124	19	97	0	20	T
1,1-Dichloroethane	ug/L	20	21	106	77 - 125	21	106	0	20	T
Vinyl Acetate	ug/L	20	17	83	10 - 150	17	83	0	20	T
2-Butanone (MEK)	ug/L	20	16	80	56 - 143	16	80	0	20	T
cis-1,2-Dichloroethylene	ug/L	20	20	102	78 - 123	20	102	0	20	T
Bromochloromethane	ug/L	20	21	107	78 - 123	21	106	0	20	T
Chloroform	ug/L	20	22	108	79 - 124	21	107	0	20	T
2,2-Dichloropropane	ug/L	20	18	88	10 - 150	18	88	0	20	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7250
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044009, A2309044011

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane	ug/L	20	20	100	73 - 128	20	99	0	20	T
1,1,1-Trichloroethane	ug/L	20	20	98	74 - 131	19	97	0	20	T
1,1-Dichloropropene	ug/L	20	21	103	79 - 125	20	102	0	20	T
Carbon Tetrachloride	ug/L	20	19	95	72 - 136	19	95	0	20	T
Benzene	ug/L	20	22	111	79 - 120	22	111	0	20	T
Dibromomethane	ug/L	20	20	101	79 - 123	20	101	0	20	T
1,2-Dichloropropane	ug/L	20	20	101	78 - 122	20	101	0	20	T
Trichloroethene	ug/L	20	20	99	79 - 123	20	99	0	20	T
Bromodichloromethane	ug/L	20	21	107	79 - 125	21	106	0	20	T
2-Chloroethyl Vinyl Ether	ug/L	20	16	80	10 - 150	16	80	0	20	T
cis-1,3-Dichloropropene	ug/L	20	20	100	75 - 124	20	100	0	20	T
4-Methyl-2-pentanone (MIB)	ug/L	20	16	82	67 - 130	16	82	0	20	T
trans-1,3-Dichloropropylene	ug/L	20	19	95	73 - 127	19	95	0	20	T
1,1,2-Trichloroethane	ug/L	20	20	99	80 - 119	20	98	0	20	T
Toluene	ug/L	20	21	107	80 - 121	21	107	0	20	T
1,3-Dichloropropane	ug/L	20	19	97	80 - 119	20	98	0	20	T
2-Hexanone	ug/L	20	20	99	57 - 139	20	100	0	20	T
Dibromochloromethane	ug/L	20	18	90	74 - 126	18	90	0	20	T
Ethylene Dibromide (EDB)	ug/L	20	18	89	77 - 121	18	89	0	20	T
Tetrachloroethylene (PCE)	ug/L	20	18	90	74 - 129	18	90	0	20	T
1,1,1,2-Tetrachloroethane	ug/L	20	19	95	78 - 124	19	95	0	20	T
Chlorobenzene	ug/L	20	21	103	82 - 118	21	104	0	20	T
Ethylbenzene	ug/L	20	20	102	79 - 121	20	102	0	20	T
Bromoform	ug/L	20	15	77	66 - 130	15	77	0	20	T
Styrene	ug/L	20	19	94	78 - 123	19	95	0	20	T
1,1,1,2,2-Tetrachloroethane	ug/L	20	19	94	71 - 121	19	94	0	20	T
1,2,3-Trichloropropane	ug/L	20	17	83	73 - 122	17	83	0	20	T
Isopropylbenzene	ug/L	20	22	110	72 - 131	19	97	13	20	T
Bromobenzene	ug/L	20	21	107	80 - 120	19	95	13	20	T
n-propylbenzene	ug/L	20	23	114	76 - 126	20	100	13	20	T
2-Chlorotoluene	ug/L	20	23	113	79 - 122	20	100	13	20	T
4-Chlorotoluene	ug/L	20	18	92	78 - 122	16	81	13	20	T
1,3,5-Trimethylbenzene	ug/L	20	22	112	75 - 124	20	99	13	20	T

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Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7250
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044009, A2309044011

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
tert-butylbenzene	ug/L	20	21	106	78 - 124	19	93	13	20	T
1,2,4-Trimethylbenzene	ug/L	20	22	109	76 - 124	19	96	13	20	T
sec-butylbenzene	ug/L	20	22	110	77 - 126	19	97	13	20	T
1,3-Dichlorobenzene	ug/L	20	21	104	80 - 119	18	92	13	20	T
1,4-Dichlorobenzene	ug/L	20	21	103	79 - 118	18	91	13	20	T
1,2-Dichlorobenzene	ug/L	20	20	98	80 - 119	17	87	13	20	T
n-Butylbenzene	ug/L	20	21	106	75 - 128	19	94	13	20	T
1,2-Dibromo-3-Chloropropa	ug/L	20	20	100	62 - 128	19	97	2	20	T
1,2,4-Trichlorobenzene	ug/L	20	18	91	69 - 130	19	96	5	20	T
Naphthalene	ug/L	20	19	95	61 - 128	17	85	11	20	T
Hexachlorobutadiene	ug/L	20	19	96	66 - 134	21	104	8	20	T
1,2,3-Trichlorobenzene	ug/L	20	23	115	69 - 129	20	102	13	20	T
Xylene (Total)	ug/L	60	62	103	79 - 121	62	103	0	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	57	115	70 - 128	57	114	0		T
Bromofluorobenzene (S)	ug/L	50	51	102	86 - 123	53	106	4		T
Toluene-d8 (S)	ug/L	50	57	114	77 - 119	57	114	0		T

Matrix Spike (4917625); Original (T2315372004); Parent Lab Sample (T2315372004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	18	92	32 - 152	T
Chloromethane	ug/L	20	19	97	50 - 139	T
Vinyl Chloride	ug/L	20	20	100	10 - 150	T
Bromomethane	ug/L	20	19	95	10 - 150	T
Chloroethane	ug/L	20	21	106	60 - 138	T
Trichlorofluoromethane	ug/L	20	17	85	65 - 141	T
1,1-Dichloroethylene	ug/L	20	19	97	71 - 131	T
Methylene Chloride	ug/L	20	19	97	74 - 124	T
trans-1,2-Dichloroethylene	ug/L	20	20	100	75 - 124	T
Methyl tert-butyl Ether (MTBE)	ug/L	20	18	92	71 - 124	T
1,1-Dichloroethane	ug/L	20	20	100	77 - 125	T
cis-1,2-Dichloroethylene	ug/L	20	19	97	78 - 123	T

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Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7250
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044009, A2309044011

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Chloroform	ug/L	20	20	102	79 - 124	T
1,2-Dichloroethane	ug/L	20	19	94	73 - 128	T
1,1,1-Trichloroethane	ug/L	20	18	92	74 - 131	T
Carbon Tetrachloride	ug/L	20	18	90	72 - 136	T
Benzene	ug/L	20	21	105	79 - 120	T
1,2-Dichloropropane	ug/L	20	19	96	78 - 122	T
Trichloroethene	ug/L	20	19	94	79 - 123	T
Bromodichloromethane	ug/L	20	20	101	79 - 125	T
2-Chloroethyl Vinyl Ether	ug/L	20	15	76	10 - 150	T
cis-1,3-Dichloropropene	ug/L	20	19	95	75 - 124	T
trans-1,3-Dichloropropylene	ug/L	20	18	90	73 - 127	T
1,1,2-Trichloroethane	ug/L	20	19	93	80 - 119	T
Toluene	ug/L	20	22	109	80 - 121	T
Dibromochloromethane	ug/L	20	18	92	74 - 126	T
Tetrachloroethylene (PCE)	ug/L	20	18	92	74 - 129	T
Chlorobenzene	ug/L	20	21	106	82 - 118	T
Ethylbenzene	ug/L	20	21	104	79 - 121	T
Bromoform	ug/L	20	16	78	66 - 130	T
1,1,2,2-Tetrachloroethane	ug/L	20	19	96	71 - 121	T
Isopropylbenzene	ug/L	20	23	117	72 - 131	T
1,3,5-Trimethylbenzene	ug/L	20	16	82	75 - 124	T
1,2,4-Trimethylbenzene	ug/L	20	18	89	76 - 124	T
1,3-Dichlorobenzene	ug/L	20	22	111	80 - 119	T
1,4-Dichlorobenzene	ug/L	20	22	109	79 - 118	T
1,2-Dichlorobenzene	ug/L	20	21	104	80 - 119	T
Xylene (Total)	ug/L	60	63	105	79 - 121	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	54	108	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	51	102	86 - 123	T
Toluene-d8 (S)	ug/L	50	58	116	77 - 119	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

QC Result Comments

Matrix Spike - 4917625 - Xylene (Total)

J4|Estimated Result

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Workorder: CRYSTAL CLEANERS (A2309044)

QC Results

QC Batch: MSVt/7261 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044001, A2309044002, A2309044003, A2309044004, A2309044005, A2309044006, A2309044007, A2309044008, A2309044010, A2309044012, A2309044013, A2309044014, A2309044015, A2309044016, A2309044017, A2309044018, A2309044019

Method Blank(4919511)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	T
Chloromethane	0.39 U	ug/L	1.0	0.39	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	T
Bromomethane	0.32 U	ug/L	1.0	0.32	T
Chloroethane	0.42 U	ug/L	1.0	0.42	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	T
Acetone	0.90 U	ug/L	2.0	0.90	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	T
Chloroform	0.37 U	ug/L	1.0	0.37	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	T
Benzene	0.28 U	ug/L	1.0	0.28	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	T

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Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7261 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044001, A2309044002, A2309044003, A2309044004, A2309044005, A2309044006, A2309044007, A2309044008, A2309044010, A2309044012, A2309044013, A2309044014, A2309044015, A2309044016, A2309044017, A2309044018, A2309044019

Parameter	Results	Units	PQL	MDL	Lab
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	T
Toluene	0.66 U	ug/L	1.0	0.66	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	T
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	T
Bromoform	0.36 U	ug/L	1.0	0.36	T
Styrene	0.29 U	ug/L	1.0	0.29	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	T

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Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7261 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044001, A2309044002, A2309044003, A2309044004, A2309044005, A2309044006, A2309044007, A2309044008, A2309044010, A2309044012, A2309044013, A2309044014, A2309044015, A2309044016, A2309044017, A2309044018, A2309044019

Parameter	Results	Units	PQL	MDL	Lab
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	T
Naphthalene	0.93 U	ug/L	1.0	0.93	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	46	92	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	58	116	86 - 123	T
Toluene-d8 (S)	ug/L	50	51	101	77 - 119	T

Lab Control Sample (4919512); Lab Control Sample Duplicate (4919513); Parent Lab Sample (A2309044001, A2309044002, A2309044003, A2309044004, A2309044005, A2309044006, A2309044007, A2309044008, A2309044010, A2309044012, A2309044013, A2309044014, A2309044015, A2309044016, A2309044017, A2309044018, A2309044019)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	20	99	32 - 152	18	90	10	20	T
Chloromethane	ug/L	20	19	97	50 - 139	17	87	11	20	T
Vinyl Chloride	ug/L	20	20	102	58 - 137	18	92	10	20	T
Bromomethane	ug/L	20	18	89	10 - 150	22	109	20	20	T
Chloroethane	ug/L	20	21	106	60 - 138	19	96	10	20	T
Trichlorofluoromethane	ug/L	20	17	85	65 - 141	19	95	12	20	T
Acrolein (Propenal)	ug/L	100	84	84	39 - 155	72	72	15	20	T
Acetone	ug/L	20	17	87	39 - 160	21	105	19	20	T
1,1-Dichloroethylene	ug/L	20	19	96	71 - 131	19	97	1	20	T
Iodomethane (Methyl Iodid	ug/L	20	23	114	10 - 150	22	111	3	20	T
Acrylonitrile	ug/L	20	20	100	63 - 135	17	83	19	20	T
Methylene Chloride	ug/L	20	20	98	74 - 124	18	92	5	20	T
Carbon Disulfide	ug/L	20	20	102	64 - 133	20	100	2	20	T
trans-1,2-Dichloroethylene	ug/L	20	20	102	75 - 124	20	102	1	20	T
Methyl tert-butyl Ether (MT	ug/L	20	20	101	71 - 124	19	94	7	20	T
1,1-Dichloroethane	ug/L	20	20	101	77 - 125	20	100	1	20	T
Vinyl Acetate	ug/L	20	19	97	10 - 150	22	108	10	20	T
2-Butanone (MEK)	ug/L	20	19	95	56 - 143	17	83	13	20	T
cis-1,2-Dichloroethylene	ug/L	20	20	100	78 - 123	19	97	3	20	T

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Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7261 **Analysis Method:** SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044001, A2309044002, A2309044003, A2309044004, A2309044005, A2309044006, A2309044007, A2309044008, A2309044010, A2309044012, A2309044013, A2309044014, A2309044015, A2309044016, A2309044017, A2309044018, A2309044019

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Bromochloromethane	ug/L	20	20	101	78 - 123	20	98	2	20	T
Chloroform	ug/L	20	21	103	79 - 124	20	102	2	20	T
2,2-Dichloropropane	ug/L	20	21	105	10 - 150	21	103	3	20	T
1,2-Dichloroethane	ug/L	20	19	96	73 - 128	19	93	4	20	T
1,1,1-Trichloroethane	ug/L	20	18	92	74 - 131	19	96	4	20	T
1,1-Dichloropropene	ug/L	20	20	100	79 - 125	20	98	2	20	T
Carbon Tetrachloride	ug/L	20	19	93	72 - 136	18	92	1	20	T
Benzene	ug/L	20	21	105	79 - 120	21	105	0	20	T
Dibromomethane	ug/L	20	21	103	79 - 123	19	96	6	20	T
1,2-Dichloropropane	ug/L	20	20	98	78 - 122	18	92	5	20	T
Trichloroethene	ug/L	20	20	102	79 - 123	20	99	3	20	T
Bromodichloromethane	ug/L	20	20	101	79 - 125	19	97	4	20	T
2-Chloroethyl Vinyl Ether	ug/L	20	19	94	10 - 150	16	82	13	20	T
cis-1,3-Dichloropropene	ug/L	20	20	102	75 - 124	20	98	5	20	T
4-Methyl-2-pentanone (MIB	ug/L	20	19	95	67 - 130	19	97	2	20	T
trans-1,3-Dichloropropylene	ug/L	20	19	97	73 - 127	18	92	6	20	T
1,1,2-Trichloroethane	ug/L	20	21	103	80 - 119	19	97	6	20	T
Toluene	ug/L	20	21	106	80 - 121	21	105	0	20	T
1,3-Dichloropropane	ug/L	20	20	100	80 - 119	19	97	3	20	T
2-Hexanone	ug/L	20	18	92	57 - 139	17	83	10	20	T
Dibromochloromethane	ug/L	20	19	97	74 - 126	19	93	4	20	T
Ethylene Dibromide (EDB)	ug/L	20	20	101	77 - 121	19	95	6	20	T
Tetrachloroethylene (PCE)	ug/L	20	19	97	74 - 129	19	93	4	20	T
1,1,1,2-Tetrachloroethane	ug/L	20	20	98	78 - 124	19	95	3	20	T
Chlorobenzene	ug/L	20	21	107	82 - 118	21	104	3	20	T
Ethylbenzene	ug/L	20	21	104	79 - 121	21	104	0	20	T
Bromoform	ug/L	20	17	83	66 - 130	16	81	3	20	T
Styrene	ug/L	20	20	99	78 - 123	19	96	3	20	T
1,1,2,2-Tetrachloroethane	ug/L	20	22	109	71 - 121	19	96	13	20	T
1,2,3-Trichloropropane	ug/L	20	19	95	73 - 122	16	81	15	20	T
Isopropylbenzene	ug/L	20	19	95	72 - 131	21	107	12	20	T
Bromobenzene	ug/L	20	19	95	80 - 120	21	105	9	20	T





FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7261 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044001, A2309044002, A2309044003, A2309044004, A2309044005, A2309044006, A2309044007, A2309044008, A2309044010, A2309044012, A2309044013, A2309044014, A2309044015, A2309044016, A2309044017, A2309044018, A2309044019

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
n-propylbenzene	ug/L	20	19	97	76 - 126	23	113	16	20	T
2-Chlorotoluene	ug/L	20	20	98	79 - 122	22	110	12	20	T
4-Chlorotoluene	ug/L	20	19	95	78 - 122	21	107	12	20	T
1,3,5-Trimethylbenzene	ug/L	20	19	95	75 - 124	22	109	13	20	T
tert-butylbenzene	ug/L	20	18	92	78 - 124	21	105	14	20	T
1,2,4-Trimethylbenzene	ug/L	20	19	96	76 - 124	21	107	12	20	T
sec-butylbenzene	ug/L	20	20	98	77 - 126	22	110	12	20	T
1,3-Dichlorobenzene	ug/L	20	18	89	80 - 119	20	102	14	20	T
1,4-Dichlorobenzene	ug/L	20	17	87	79 - 118	20	102	16	20	T
1,2-Dichlorobenzene	ug/L	20	17	87	80 - 119	20	100	14	20	T
n-Butylbenzene	ug/L	20	20	98	75 - 128	22	112	14	20	T
1,2-Dibromo-3-Chloropropa	ug/L	20	17	84	62 - 128	14	72	15	20	T
1,2,4-Trichlorobenzene	ug/L	20	21	104	69 - 130	17	86	19	20	T
Naphthalene	ug/L	20	17	83	61 - 128	20	101	19	20	T
Hexachlorobutadiene	ug/L	20	16	79	66 - 134	17	86	8	20	T
1,2,3-Trichlorobenzene	ug/L	20	17	87	69 - 129	21	104	17	20	T
Xylene (Total)	ug/L	60	63	105	79 - 121	62	103	1	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	56	111	70 - 128	48	96	15		T
Bromofluorobenzene (S)	ug/L	50	57	114	86 - 123	56	113	1		T
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	53	105	5		T

Matrix Spike (4919514); Original (A2309044001); Parent Lab Sample (A2309044001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	18	88	32 - 152	T
Chloromethane	ug/L	20	18	88	50 - 139	T
Vinyl Chloride	ug/L	20	18	92	10 - 150	T
Bromomethane	ug/L	20	22	112	10 - 150	T
Chloroethane	ug/L	20	19	97	60 - 138	T
Trichlorofluoromethane	ug/L	20	20	98	65 - 141	T
Acrolein (Propenal)	ug/L	100	67	67	39 - 155	T





FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7261 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044001, A2309044002, A2309044003, A2309044004, A2309044005, A2309044006, A2309044007, A2309044008, A2309044010, A2309044012, A2309044013, A2309044014, A2309044015, A2309044016, A2309044017, A2309044018, A2309044019

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Acetone	ug/L	20	19	97	39 - 160	T
1,1-Dichloroethylene	ug/L	20	18	92	71 - 131	T
Iodomethane (Methyl Iodide)	ug/L	20	23	114	10 - 150	T
Acrylonitrile	ug/L	20	16	80	63 - 135	T
Methylene Chloride	ug/L	20	17	86	74 - 124	T
Carbon Disulfide	ug/L	20	19	97	64 - 133	T
trans-1,2-Dichloroethylene	ug/L	20	20	99	75 - 124	T
Methyl tert-butyl Ether (MTBE)	ug/L	20	18	89	71 - 124	T
1,1-Dichloroethane	ug/L	20	19	96	77 - 125	T
Vinyl Acetate	ug/L	20	21	105	54 - 146	T
2-Butanone (MEK)	ug/L	20	15	74	56 - 143	T
cis-1,2-Dichloroethylene	ug/L	20	19	94	78 - 123	T
Bromochloromethane	ug/L	20	19	95	78 - 123	T
Chloroform	ug/L	20	20	99	79 - 124	T
2,2-Dichloropropane	ug/L	20	20	100	10 - 150	T
1,2-Dichloroethane	ug/L	20	18	91	73 - 128	T
1,1,1-Trichloroethane	ug/L	20	18	91	74 - 131	T
1,1-Dichloropropene	ug/L	20	19	93	79 - 125	T
Carbon Tetrachloride	ug/L	20	18	90	72 - 136	T
Benzene	ug/L	20	20	101	79 - 120	T
Dibromomethane	ug/L	20	19	96	79 - 123	T
1,2-Dichloropropane	ug/L	20	18	91	78 - 122	T
Trichloroethene	ug/L	20	19	95	79 - 123	T
Bromodichloromethane	ug/L	20	19	95	79 - 125	T
2-Chloroethyl Vinyl Ether	ug/L	20	16	78	10 - 150	T
cis-1,3-Dichloropropene	ug/L	20	19	94	75 - 124	T
4-Methyl-2-pentanone (MIBK)	ug/L	20	15	73	67 - 130	T
trans-1,3-Dichloropropylene	ug/L	20	18	89	73 - 127	T
1,1,2-Trichloroethane	ug/L	20	18	92	80 - 119	T
Toluene	ug/L	20	21	103	80 - 121	T
1,3-Dichloropropane	ug/L	20	19	96	80 - 119	T
2-Hexanone	ug/L	20	14	68	57 - 139	T
Dibromochloromethane	ug/L	20	18	90	74 - 126	T

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Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7261 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044001, A2309044002, A2309044003, A2309044004, A2309044005, A2309044006, A2309044007, A2309044008, A2309044010, A2309044012, A2309044013, A2309044014, A2309044015, A2309044016, A2309044017, A2309044018, A2309044019

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Ethylene Dibromide (EDB)	ug/L	20	18	91	77 - 121	T
Tetrachloroethylene (PCE)	ug/L	20	19	93	74 - 129	T
1,1,1,2-Tetrachloroethane	ug/L	20	19	93	78 - 124	T
Chlorobenzene	ug/L	20	20	102	82 - 118	T
Ethylbenzene	ug/L	20	20	101	79 - 121	T
Bromoform	ug/L	20	15	74	66 - 130	T
Styrene	ug/L	20	19	94	78 - 123	T
1,1,2,2-Tetrachloroethane	ug/L	20	19	94	71 - 121	T
1,2,3-Trichloropropane	ug/L	20	16	81	73 - 122	T
Isopropylbenzene	ug/L	20	21	105	72 - 131	T
Bromobenzene	ug/L	20	20	100	80 - 120	T
n-propylbenzene	ug/L	20	22	108	76 - 126	T
2-Chlorotoluene	ug/L	20	21	106	79 - 122	T
4-Chlorotoluene	ug/L	20	21	105	78 - 122	T
1,3,5-Trimethylbenzene	ug/L	20	21	103	75 - 124	T
tert-butylbenzene	ug/L	20	20	102	78 - 124	T
1,2,4-Trimethylbenzene	ug/L	20	21	103	76 - 124	T
sec-butylbenzene	ug/L	20	21	107	77 - 126	T
1,3-Dichlorobenzene	ug/L	20	20	99	80 - 119	T
1,4-Dichlorobenzene	ug/L	20	19	95	79 - 118	T
1,2-Dichlorobenzene	ug/L	20	19	96	80 - 119	T
n-Butylbenzene	ug/L	20	21	106	75 - 128	T
1,2-Dibromo-3-Chloropropane	ug/L	20	21	107	62 - 128	T
1,2,4-Trichlorobenzene	ug/L	20	15	76	69 - 130	T
Naphthalene	ug/L	20	19	94	61 - 128	T
Hexachlorobutadiene	ug/L	20	15	74	66 - 134	T
1,2,3-Trichlorobenzene	ug/L	20	18	91	69 - 129	T
Xylene (Total)	ug/L	60	61	102	79 - 121	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	96	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	57	114	86 - 123	T
Toluene-d8 (S)	ug/L	50	56	112	77 - 119	T

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Workorder: CRYSTAL CLEANERS (A2309044)

QC Results

QC Batch: MSVt/7263 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044020, A2309044021, A2309044022, A2309044023, A2309044024, A2309044025, A2309044026, A2309044027, A2309044028, A2309044029, A2309044030, A2309044031

Method Blank(4919542)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	T
Chloromethane	0.39 U	ug/L	1.0	0.39	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	T
Bromomethane	0.32 U	ug/L	1.0	0.32	T
Chloroethane	0.42 U	ug/L	1.0	0.42	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	T
Acrolein (Propenal)	1.8 U	ug/L	4.0	1.8	T
Acetone	0.90 U	ug/L	2.0	0.90	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	T
Iodomethane (Methyl Iodide)	0.83 U	ug/L	1.0	0.83	T
Acrylonitrile	0.38 U	ug/L	5.0	0.38	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	T
Carbon Disulfide	0.42 U	ug/L	1.0	0.42	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	T
Vinyl Acetate	0.37 U	ug/L	1.0	0.37	T
2-Butanone (MEK)	0.33 U	ug/L	1.0	0.33	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Bromochloromethane	0.33 U	ug/L	1.0	0.33	T
Chloroform	0.37 U	ug/L	1.0	0.37	T
2,2-Dichloropropane	0.45 U	ug/L	1.0	0.45	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	T
1,1-Dichloropropene	0.38 U	ug/L	1.0	0.38	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	T
Benzene	0.28 U	ug/L	1.0	0.28	T
Dibromomethane	0.41 U	ug/L	1.0	0.41	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	T

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Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7263 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044020, A2309044021, A2309044022, A2309044023, A2309044024, A2309044025, A2309044026, A2309044027, A2309044028, A2309044029, A2309044030, A2309044031

Parameter	Results	Units	PQL	MDL	Lab
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	T
4-Methyl-2-pentanone (MIBK)	0.40 U	ug/L	1.0	0.40	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	T
Toluene	0.66 U	ug/L	1.0	0.66	T
1,3-Dichloropropane	0.32 U	ug/L	1.0	0.32	T
2-Hexanone	0.42 U	ug/L	1.0	0.42	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	T
Ethylene Dibromide (EDB)	0.29 U	ug/L	1.0	0.29	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	T
1,1,1,2-Tetrachloroethane	0.47 U	ug/L	1.0	0.47	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	T
Bromoform	0.36 U	ug/L	1.0	0.36	T
Styrene	0.29 U	ug/L	1.0	0.29	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	T
1,2,3-Trichloropropane	0.22 U	ug/L	1.0	0.22	T
Isopropylbenzene	0.42 U	ug/L	1.0	0.42	T
Bromobenzene	0.34 U	ug/L	1.0	0.34	T
n-propylbenzene	0.34 U	ug/L	1.0	0.34	T
2-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
4-Chlorotoluene	0.34 U	ug/L	1.0	0.34	T
1,3,5-Trimethylbenzene	0.39 U	ug/L	1.0	0.39	T
tert-butylbenzene	0.38 U	ug/L	1.0	0.38	T
1,2,4-Trimethylbenzene	0.41 U	ug/L	1.0	0.41	T
sec-butylbenzene	0.41 U	ug/L	1.0	0.41	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	T
n-Butylbenzene	0.59 U	ug/L	1.0	0.59	T
1,2-Dibromo-3-Chloropropane	0.38 U	ug/L	3.0	0.38	T
1,2,4-Trichlorobenzene	0.52 U	ug/L	1.0	0.52	T





FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7263 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044020, A2309044021, A2309044022, A2309044023, A2309044024, A2309044025, A2309044026, A2309044027, A2309044028, A2309044029, A2309044030, A2309044031

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.93 U	ug/L	1.0	0.93	T
Hexachlorobutadiene	0.32 U	ug/L	1.0	0.32	T
1,2,3-Trichlorobenzene	0.36 U	ug/L	1.0	0.36	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	101	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	47	94	86 - 123	T
Toluene-d8 (S)	ug/L	50	52	104	77 - 119	T

Lab Control Sample (4919543); Lab Control Sample Duplicate (4919544); Parent Lab Sample (A2309044020, A2309044021, A2309044022, A2309044023, A2309044024, A2309044025, A2309044026, A2309044027, A2309044028, A2309044029, A2309044030, A2309044031)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	20	98	32 - 152	19	97	0	20	T
Chloromethane	ug/L	20	20	102	50 - 139	20	102	0	20	T
Vinyl Chloride	ug/L	20	21	106	58 - 137	21	105	0	20	T
Bromomethane	ug/L	20	20	98	10 - 150	20	98	0	20	T
Chloroethane	ug/L	20	22	112	60 - 138	22	112	0	20	T
Trichlorofluoromethane	ug/L	20	18	90	65 - 141	18	90	0	20	T
Acrolein (Propenal)	ug/L	100	82	82	39 - 155	81	81	0	20	T
Acetone	ug/L	20	16	81	39 - 160	16	81	0	20	T
1,1-Dichloroethylene	ug/L	20	21	103	71 - 131	20	102	0	20	T
Iodomethane (Methyl Iodide)	ug/L	20	22	111	10 - 150	22	110	0	20	T
Acrylonitrile	ug/L	20	17	83	63 - 135	17	83	0	20	T
Methylene Chloride	ug/L	20	21	103	74 - 124	21	103	0	20	T
Carbon Disulfide	ug/L	20	21	105	64 - 133	21	104	0	20	T
trans-1,2-Dichloroethylene	ug/L	20	21	106	75 - 124	21	106	0	20	T
Methyl tert-butyl Ether (MTBE)	ug/L	20	20	98	71 - 124	19	97	0	20	T
1,1-Dichloroethane	ug/L	20	21	106	77 - 125	21	106	0	20	T
Vinyl Acetate	ug/L	20	17	83	10 - 150	17	83	0	20	T
2-Butanone (MEK)	ug/L	20	16	80	56 - 143	16	80	0	20	T
cis-1,2-Dichloroethylene	ug/L	20	20	102	78 - 123	20	102	0	20	T
Bromochloromethane	ug/L	20	21	107	78 - 123	21	106	0	20	T
Chloroform	ug/L	20	22	108	79 - 124	21	107	0	20	T

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7263 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044020, A2309044021, A2309044022, A2309044023, A2309044024, A2309044025, A2309044026, A2309044027, A2309044028, A2309044029, A2309044030, A2309044031

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,2-Dichloropropane	ug/L	20	18	88	10 - 150	18	88	0	20	T
1,2-Dichloroethane	ug/L	20	20	100	73 - 128	20	99	0	20	T
1,1,1-Trichloroethane	ug/L	20	20	98	74 - 131	19	97	0	20	T
1,1-Dichloropropene	ug/L	20	21	103	79 - 125	20	102	0	20	T
Carbon Tetrachloride	ug/L	20	19	95	72 - 136	19	95	0	20	T
Benzene	ug/L	20	22	111	79 - 120	22	111	0	20	T
Dibromomethane	ug/L	20	20	101	79 - 123	20	101	0	20	T
1,2-Dichloropropane	ug/L	20	20	101	78 - 122	20	101	0	20	T
Trichloroethene	ug/L	20	20	99	79 - 123	20	99	0	20	T
Bromodichloromethane	ug/L	20	21	107	79 - 125	21	106	0	20	T
2-Chloroethyl Vinyl Ether	ug/L	20	16	80	10 - 150	16	80	0	20	T
cis-1,3-Dichloropropene	ug/L	20	20	100	75 - 124	20	100	0	20	T
4-Methyl-2-pentanone (MIB	ug/L	20	16	82	67 - 130	16	82	0	20	T
trans-1,3-Dichloropropylene	ug/L	20	19	95	73 - 127	19	95	0	20	T
1,1,2-Trichloroethane	ug/L	20	20	99	80 - 119	20	98	0	20	T
Toluene	ug/L	20	21	107	80 - 121	21	107	0	20	T
1,3-Dichloropropane	ug/L	20	19	97	80 - 119	20	98	0	20	T
2-Hexanone	ug/L	20	20	99	57 - 139	20	100	0	20	T
Dibromochloromethane	ug/L	20	18	90	74 - 126	18	90	0	20	T
Ethylene Dibromide (EDB)	ug/L	20	18	89	77 - 121	18	89	0	20	T
Tetrachloroethylene (PCE)	ug/L	20	18	90	74 - 129	18	90	0	20	T
1,1,1,2-Tetrachloroethane	ug/L	20	19	95	78 - 124	19	95	0	20	T
Chlorobenzene	ug/L	20	21	103	82 - 118	21	104	0	20	T
Ethylbenzene	ug/L	20	20	102	79 - 121	20	102	0	20	T
Bromoform	ug/L	20	15	77	66 - 130	15	77	0	20	T
Styrene	ug/L	20	19	94	78 - 123	19	95	0	20	T
1,1,2,2-Tetrachloroethane	ug/L	20	19	94	71 - 121	19	94	0	20	T
1,2,3-Trichloropropane	ug/L	20	17	83	73 - 122	17	83	0	20	T
Isopropylbenzene	ug/L	20	22	110	72 - 131	19	97	13	20	T
Bromobenzene	ug/L	20	21	107	80 - 120	19	95	13	20	T
n-propylbenzene	ug/L	20	23	114	76 - 126	20	100	13	20	T
2-Chlorotoluene	ug/L	20	23	113	79 - 122	20	100	13	20	T
4-Chlorotoluene	ug/L	20	18	92	78 - 122	16	81	13	20	T





FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch: MSVt/7263 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: A2309044020, A2309044021, A2309044022, A2309044023, A2309044024, A2309044025, A2309044026, A2309044027, A2309044028, A2309044029, A2309044030, A2309044031

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,3,5-Trimethylbenzene	ug/L	20	22	112	75 - 124	20	99	13	20	T
tert-butylbenzene	ug/L	20	21	106	78 - 124	19	93	13	20	T
1,2,4-Trimethylbenzene	ug/L	20	22	109	76 - 124	19	96	13	20	T
sec-butylbenzene	ug/L	20	22	110	77 - 126	19	97	13	20	T
1,3-Dichlorobenzene	ug/L	20	21	104	80 - 119	18	92	13	20	T
1,4-Dichlorobenzene	ug/L	20	21	103	79 - 118	18	91	13	20	T
1,2-Dichlorobenzene	ug/L	20	20	98	80 - 119	17	87	13	20	T
n-Butylbenzene	ug/L	20	21	106	75 - 128	19	94	13	20	T
1,2-Dibromo-3-Chloropropa	ug/L	20	20	100	62 - 128	19	97	2	20	T
1,2,4-Trichlorobenzene	ug/L	20	17	86	69 - 130	20	101	15	20	T
Naphthalene	ug/L	20	19	95	61 - 128	17	85	11	20	T
Hexachlorobutadiene	ug/L	20	18	91	66 - 134	20	99	8	20	T
1,2,3-Trichlorobenzene	ug/L	20	23	115	69 - 129	20	102	13	20	T
Xylene (Total)	ug/L	60	62	103	79 - 121	62	103	0	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	57	115	70 - 128	57	114	0		T
Bromofluorobenzene (S)	ug/L	50	51	102	86 - 123	53	106	4		T
Toluene-d8 (S)	ug/L	50	57	114	77 - 119	57	114	0		T

Matrix Spike (4919545); Original (T2315939001); Parent Lab Sample (T2315939001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methyl tert-butyl Ether (MTBE)	ug/L	20	18	92	71 - 124	T
Benzene	ug/L	20	21	105	79 - 120	T
Toluene	ug/L	20	22	109	80 - 121	T
Ethylbenzene	ug/L	20	21	92	79 - 121	T
Naphthalene	ug/L	20	20	100	61 - 128	T
Xylene (Total)	ug/L	60	63	101	79 - 121	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	54	108	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	51	102	86 - 123	T
Toluene-d8 (S)	ug/L	50	58	116	77 - 119	T





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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

QC Batch:	MSVt/7263	Analysis Method:	SW-846 8260D
Preparation Method:	SW-846 5030B		
Associated Lab IDs:	A2309044020, A2309044021, A2309044022, A2309044023, A2309044024, A2309044025, A2309044026, A2309044027, A2309044028, A2309044029, A2309044030, A2309044031		

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVt/7250 - SW-846 8260D			
A2309044009	DGS-3 38	MSVt/7249	SW-846 5030B
A2309044011	DGS-4 24	MSVt/7249	SW-846 5030B
MSVt/7261 - SW-846 8260D			
A2309044001	DGS-1 12	MSVt/7260	SW-846 5030B
A2309044002	DGS-1 24	MSVt/7260	SW-846 5030B
A2309044003	DGS-1 38	MSVt/7260	SW-846 5030B
A2309044004	DGS-2 12	MSVt/7260	SW-846 5030B
A2309044005	DGS-2 24	MSVt/7260	SW-846 5030B
A2309044006	DGS-2 38	MSVt/7260	SW-846 5030B
A2309044007	DGS-3 12	MSVt/7260	SW-846 5030B
A2309044008	DGS-3 24	MSVt/7260	SW-846 5030B
A2309044010	DGS-4 12	MSVt/7260	SW-846 5030B
A2309044012	DGS-4 38	MSVt/7260	SW-846 5030B
A2309044013	DGS-5 12	MSVt/7260	SW-846 5030B
A2309044014	DGS-5 24	MSVt/7260	SW-846 5030B
A2309044015	DGS-5 38	MSVt/7260	SW-846 5030B
A2309044016	DGS-6 12	MSVt/7260	SW-846 5030B
A2309044017	DGS-6-24	MSVt/7260	SW-846 5030B
A2309044018	DGS-6 38	MSVt/7260	SW-846 5030B
A2309044019	DGS-7 12	MSVt/7260	SW-846 5030B
MSVt/7263 - SW-846 8260D			
A2309044020	DGS-7 24	MSVt/7262	SW-846 5030B
A2309044021	DGS-7 38	MSVt/7262	SW-846 5030B
A2309044022	DGS-8 12	MSVt/7262	SW-846 5030B
A2309044023	DGS-8 24	MSVt/7262	SW-846 5030B
A2309044024	DGS-8 38	MSVt/7262	SW-846 5030B
A2309044025	DGS-9 12	MSVt/7262	SW-846 5030B
A2309044026	DGS-9 24	MSVt/7262	SW-846 5030B
A2309044027	DGS-9 38	MSVt/7262	SW-846 5030B
A2309044028	PZ-01	MSVt/7262	SW-846 5030B
A2309044029	PZ-02	MSVt/7262	SW-846 5030B
A2309044030	PZ 03	MSVt/7262	SW-846 5030B
A2309044031	MW-1	MSVt/7262	SW-846 5030B

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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Client Name: APTIM
Address: 726 US Hwy 301 S
Tampa, FL 33619
Phone: 813.612.3687
FAX: 813.612.3687
Contact: Gregg Roberts
Special Instructions: ERIC_5171
Turn Around Time: STANDARD ☐ RUSH
AEL Profile: 74305

Project Name: Crystal Cleaners
Project Number:
PO Number: p-card
FDEP Facility No:
FDEP Facility Address:

Altamonte Springs: 301 Highway Blvd., Ste. 1048, FL 32714 • (407) 937-1594 • Lab ID: E53076
Cort Meyer: 13100 Westside Terrace, Ste. 11, FL 32819 • (407) 937-1594 • Lab ID: E54493
Jacksonville: 4641 Southpark Hwy., FL 32216 • (904) 323-3200 • Lab ID: E52074
Tampa: 301 North Wayne St., Suite 11, FL 33603 • (813) 278-6241 • Lab ID: E51062

Gainesville: 4645 SW 41st Blvd., FL 32609 • (352) 377-2299 • Lab ID: E52031
Miami: 4200 SW 15th Ave., FL 33055 • (305) 444-2288 • Lab ID: E52035
Tampa: 301 North Wayne St., Suite 11, FL 33603 • (813) 278-6241 • Lab ID: E51062

Page _____ of _____

Barcode: *A2309044*

LABORATORY I.D. #

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	TIME	MATRIX	NO. COUNT	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE
065-1.12		G	8/6/23	9:55	GL	3		
065-1.24		G	8/6/23	9:50	GL	3		
065-1.38		G	8/6/23	10:00	GL	3		
065-2.12		G	8/6/23	10:45	GL	3		
065-2.24		G	8/6/23	11:00	GL	3		
065-2.36		G	8/6/23	11:40	GL	3		
065-3.18		G	8/6/23	13:00	GL	3		
065-3.24		G	8/6/23	13:30	GL	3		
065-3.38		G	8/6/23	13:55	GL	3		

Matrix Code: WM = wastewater SW = surface water GW = ground water DM = drinking water O = oil A = air SO = soil SL = sludge
Received on ice ☒ Yes ☐ No Temp taken from sample ☐ Temp from bike ☐ Where received pH checked ☐ Temp, when received (observed) _____ °C Temp, when received (corrected) _____ °C
Requisitioned by: [Signature] Date: 8/6/23 Time: 8:45
Accepted by: [Signature] Date: 8/6/23 Time: 8:45
FOR DRINKING WATER USE: (When PWS information not otherwise supplied) PWS ID: _____
Contact Person: _____ PWS: _____
Supplier of Water: _____
Site Address: _____





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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Client Name: APTIM
Address: 725 US HWY 301 S
Tampa, FL 33619
Phone: 813.612.3687
Fax: 813.612.3687
Contact: Gregg Roberts
Special Instructions: ERIC, 5171
AEL Profile: 74305

Project Name: Crystal Cleaners
Project Number:
PO Number: p-card
FDEP Facility No:
FDEP Permit Address:

Analysis Required: 8260 VOC (Full List)

Bottle Size & Type: 92509044

Laboratory I.D. Number:

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	DATE		TIME	MATRIX	NO. COLANT	PRESERVATION CODE	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
			DATE	TIME							
D65-4-13			8/13/23	15:20	6:00	3					
D65-4-24			8/13/23	15:20	6:00	3					
D65-4-36			8/13/23	15:20	6:00	3					

Mark Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge
Received on ice: ☒ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked
DCN AD-0051 From last tested: 08/07/2019
Relinquished by: Gregg Roberts Date: 8/13/23 Time: 08:45
Device used for measuring Temp by Tampa Developer (Circle if lamp glass used): Thermometer Date: 8/13/23 Time: 08:45
FOR DRINKING WATER USE: PWA ID: _____
Contact Person: _____ Phone: _____
Supplier of Water: _____
Site Address: _____

Preservation Code: 1 = Ice (pH/DO) S = (OZSO4) N = (pH/DO) T = (Sodium Thiosulfate)
Temp. when received (observed): _____ °C Temp. when received (connected): _____ °C
J. 6A. G. 114. 172. T. 10A. A. 3A. M. 3A. S. 1V. F. 1A.

Page 1 of 1





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FINAL

Workorder: CRYSTAL CLEANERS (A2309044)

Advanced Environmental Laboratories, Inc.

APTM
725 US HWY 301 S
Tampa, FL 33619
813.612.3687

Project Name: Crystal Cleaners
Project Number:
PO Number: p-card
FDEP Facility No:
FDEP Facility Address:

Contact: Gregg Roberts
Special Instructions: ERC 5171
Thermal Strat. ☒ ESTIMATED ☐ RUSH

Thermal Strat. ☒ ESTIMATED ☐ RUSH

APL Profile: 74305

ADAPT ☐ EQUIS ☐ Other

ANALYSIS REQUIRED
8260 VOC
(Full list)

BOTTLE SIZE & TYPE
A2509044

LABORATORY I.D. NUMBER

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLE DATE	TIME	MATRIX	NO. COUNT
065-5 1A			8/14/23	17:40	6 W	3
065-5 2A			8/14/23	17:40.5	6 W	3
065-5 3A			8/14/23	17:45	6 W	3
065-6 1A			8/14/23	17:50	6 W	3
065-6 2A			8/14/23	17:50	6 W	3
065-6 3A			8/14/23	17:50	6 W	3
065-7 1A			8/14/23	18:00	6 W	3
065-7 2A			8/14/23	18:00	6 W	3
065-7 3A			8/14/23	18:00	6 W	3

Matrix Code: WW = wastewater SW = surface water GW = ground water BW = drinking water O = oil A = air SO = soil SL = sludge

Received on ice ☒ No ☐ Temp taken from sample ☐ Vials required, pH checked

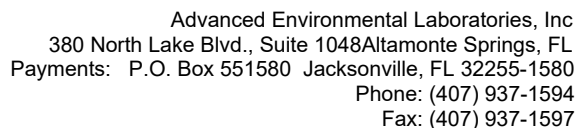
ICN: AD-0065 Form last revised 05/07/2019

Temp. when received (date/time): J. 3A. G. 11.1. 17.2. T. 10A. A. 3A. M. 2A. S. 1V. E. 1A.

FOR DRINKING WATER USE:
Temp. when received (date/time): J. 3A. G. 11.1. 17.2. T. 10A. A. 3A. M. 2A. S. 1V. E. 1A.

Contact Person: _____ Phone: _____
Supplier of Water: _____
Site Address: _____





Workorder: CRYSTAL CLEANERS (A2309044)

Monday, August 21, 2023 1:54:45 PM
Dates and times are displayed using (-04:00)
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Fax: (954) 889-2281

FINAL

Workorder: Crystal Cleaners (M2306104)

November 30, 2023

Mr. Gregg Roberts
APTIM
725 US Hwy 301 South
Tampa, FL 33619

RE: Workorder: M2306104 Crystal Cleaners

Dear Mr. Gregg Roberts:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday November 1, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sue Bell, Sr Project Manager
SBell@aellab.com

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Workorder: Crystal Cleaners (M2306104)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
M2306104001	PZ-01	WA	SW-846 8260D	11/01/2023 08:22	11/01/2023 13:53	68	NA
M2306104002	PZ-02	WA	SW-846 8260D	11/01/2023 10:00	11/01/2023 13:53	68	NA
M2306104003	PZ-03	WA	SW-846 8260D	11/01/2023 08:58	11/01/2023 13:53	68	NA
M2306104004	MW-2	WA	SW-846 8260D	11/01/2023 11:00	11/01/2023 13:53	68	NA
M2306104005	MW-3	WA	SW-846 8260D	11/01/2023 09:30	11/01/2023 13:53	68	NA
M2306104006	DW-1	WA	SW-846 8260D	11/01/2023 10:35	11/01/2023 13:53	68	NA
M2306104007	IDW WATER	WA	SW-846 6010	11/01/2023 11:50	11/01/2023 13:53	4	NA
M2306104007	IDW WATER	WA	SW-846 8260D	11/01/2023 11:50	11/01/2023 13:53	68	NA
M2306104008	IDW SOIL	SO	SM 2540G	11/01/2023 11:40	11/01/2023 13:53	1	Dry
M2306104008	IDW SOIL	SO	SW-846 6010	11/01/2023 11:40	11/01/2023 13:53	4	Dry
M2306104008	IDW SOIL	SO	SW-846 8260D	11/01/2023 11:40	11/01/2023 13:53	68	Dry

Thursday, November 30, 2023 10:58:16 AM
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Workorder: Crystal Cleaners (M2306104)

Workorder Summary

Batch Comments

MSVm/4949 - 8260D Analysis,Water

The results for 1,1,2-Trichloroethane have been estimated in the matrix spike for M2306104001 because the concentration exceeded the instrument calibration range. The results were reported within the instrument calibration range in the parent sample. The results in the Matrix QC are qualified accordingly.

Task Comments

M2306104008 (IDW SOIL) - MSVm/4951 - 8260D Analysis,Water

TCLP 82620D sample was analyzed at the lowest dilution. In accordance with AEL protocol, all TCLP 8260D require a minimal dilution of 50x prior to analysis due to the complex matrices produced during the preparation method.

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Workorder: Crystal Cleaners (M2306104)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J4	Estimated Result

Lab Qualifiers

M	DOH Certification #E82535 (FL NELAC) AEL-Miami

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104001	Date Collected: 11/01/2023 08:22				Matrix: Water			
Sample ID: PZ-01	Date Received: 11/01/2023 13:53							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	1	11/07/2023 06:30	11/07/2023 16:40	M
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 16:40	M
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	1	11/07/2023 06:30	11/07/2023 16:40	M
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	1	11/07/2023 06:30	11/07/2023 16:40	M
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 16:40	M
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	1	11/07/2023 06:30	11/07/2023 16:40	M
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 16:40	M
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	1	11/07/2023 06:30	11/07/2023 16:40	M
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 16:40	M
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 16:40	M
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	1	11/07/2023 06:30	11/07/2023 16:40	M
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	1	11/07/2023 06:30	11/07/2023 16:40	M
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	1	11/07/2023 06:30	11/07/2023 16:40	M
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 16:40	M
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 16:40	M
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 16:40	M
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 16:40	M
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 16:40	M
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 16:40	M
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	1	11/07/2023 06:30	11/07/2023 16:40	M
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	1	11/07/2023 06:30	11/07/2023 16:40	M
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	1	11/07/2023 06:30	11/07/2023 16:40	M
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 16:40	M
2-Hexanone	0.78 U	ug/L	5.0	0.78	1	11/07/2023 06:30	11/07/2023 16:40	M
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	1	11/07/2023 06:30	11/07/2023 16:40	M
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	1	11/07/2023 06:30	11/07/2023 16:40	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104001
Sample ID: PZ-01

Date Collected: 11/01/2023 08:22
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	2.0 U	ug/L	25	2.0	1	11/07/2023 06:30	11/07/2023 16:40	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	1	11/07/2023 06:30	11/07/2023 16:40	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	1	11/07/2023 06:30	11/07/2023 16:40	M
Benzene	0.18 U	ug/L	1.0	0.18	1	11/07/2023 06:30	11/07/2023 16:40	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	1	11/07/2023 06:30	11/07/2023 16:40	M
Bromochloromethane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 16:40	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 16:40	M
Bromoform	0.73 U	ug/L	5.0	0.73	1	11/07/2023 06:30	11/07/2023 16:40	M
Bromomethane	0.64 U	ug/L	1.0	0.64	1	11/07/2023 06:30	11/07/2023 16:40	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	1	11/07/2023 06:30	11/07/2023 16:40	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	1	11/07/2023 06:30	11/07/2023 16:40	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	1	11/07/2023 06:30	11/07/2023 16:40	M
Chloroethane	0.64 U	ug/L	1.0	0.64	1	11/07/2023 06:30	11/07/2023 16:40	M
Chloroform	0.51 U	ug/L	1.0	0.51	1	11/07/2023 06:30	11/07/2023 16:40	M
Chloromethane	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 16:40	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 16:40	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 16:40	M
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 16:40	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	1	11/07/2023 06:30	11/07/2023 16:40	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	1	11/07/2023 06:30	11/07/2023 16:40	M
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	1	11/07/2023 06:30	11/07/2023 16:40	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	1	11/07/2023 06:30	11/07/2023 16:40	M
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 16:40	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	1	11/07/2023 06:30	11/07/2023 16:40	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	1	11/07/2023 06:30	11/07/2023 16:40	M
Naphthalene	0.40 U	ug/L	5.0	0.40	1	11/07/2023 06:30	11/07/2023 16:40	M
Styrene	0.45 U	ug/L	1.0	0.45	1	11/07/2023 06:30	11/07/2023 16:40	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104001
Sample ID: PZ-01

Date Collected: 11/01/2023 08:22
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 16:40	M
Toluene	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 16:40	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	1	11/07/2023 06:30	11/07/2023 16:40	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 16:40	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	1	11/07/2023 06:30	11/07/2023 16:40	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	1	11/07/2023 06:30	11/07/2023 16:40	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	1	11/07/2023 06:30	11/07/2023 16:40	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 16:40	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	1	11/07/2023 06:30	11/07/2023 16:40	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 16:40	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 16:40	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 16:40	M
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	1	11/07/2023 06:30	11/07/2023 16:40	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 16:40	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	1	11/07/2023 06:30	11/07/2023 16:40	M

Analysis Results Comments

1,1,2-Trichloroethane

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	110	70 - 128	M
Toluene-d8 (S)	ug/L	50	49	99	77 - 119	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	52	104	86 - 123	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104002
Sample ID: PZ-02

Date Collected: 11/01/2023 10:00
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	1	11/07/2023 06:30	11/07/2023 17:07	M
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 17:07	M
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	1	11/07/2023 06:30	11/07/2023 17:07	M
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	1	11/07/2023 06:30	11/07/2023 17:07	M
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 17:07	M
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	1	11/07/2023 06:30	11/07/2023 17:07	M
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 17:07	M
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	1	11/07/2023 06:30	11/07/2023 17:07	M
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 17:07	M
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 17:07	M
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	1	11/07/2023 06:30	11/07/2023 17:07	M
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	1	11/07/2023 06:30	11/07/2023 17:07	M
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	1	11/07/2023 06:30	11/07/2023 17:07	M
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 17:07	M
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 17:07	M
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 17:07	M
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 17:07	M
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 17:07	M
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 17:07	M
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	1	11/07/2023 06:30	11/07/2023 17:07	M
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	1	11/07/2023 06:30	11/07/2023 17:07	M
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	1	11/07/2023 06:30	11/07/2023 17:07	M
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 17:07	M
2-Hexanone	0.78 U	ug/L	5.0	0.78	1	11/07/2023 06:30	11/07/2023 17:07	M
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	1	11/07/2023 06:30	11/07/2023 17:07	M
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	1	11/07/2023 06:30	11/07/2023 17:07	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104002
Sample ID: PZ-02

Date Collected: 11/01/2023 10:00
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	2.0 U	ug/L	25	2.0	1	11/07/2023 06:30	11/07/2023 17:07	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	1	11/07/2023 06:30	11/07/2023 17:07	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	1	11/07/2023 06:30	11/07/2023 17:07	M
Benzene	0.18 U	ug/L	1.0	0.18	1	11/07/2023 06:30	11/07/2023 17:07	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	1	11/07/2023 06:30	11/07/2023 17:07	M
Bromochloromethane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 17:07	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 17:07	M
Bromoform	0.73 U	ug/L	5.0	0.73	1	11/07/2023 06:30	11/07/2023 17:07	M
Bromomethane	0.64 U	ug/L	1.0	0.64	1	11/07/2023 06:30	11/07/2023 17:07	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	1	11/07/2023 06:30	11/07/2023 17:07	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	1	11/07/2023 06:30	11/07/2023 17:07	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	1	11/07/2023 06:30	11/07/2023 17:07	M
Chloroethane	0.64 U	ug/L	1.0	0.64	1	11/07/2023 06:30	11/07/2023 17:07	M
Chloroform	0.51 U	ug/L	1.0	0.51	1	11/07/2023 06:30	11/07/2023 17:07	M
Chloromethane	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 17:07	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 17:07	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 17:07	M
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 17:07	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	1	11/07/2023 06:30	11/07/2023 17:07	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	1	11/07/2023 06:30	11/07/2023 17:07	M
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	1	11/07/2023 06:30	11/07/2023 17:07	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	1	11/07/2023 06:30	11/07/2023 17:07	M
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 17:07	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	1	11/07/2023 06:30	11/07/2023 17:07	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	1	11/07/2023 06:30	11/07/2023 17:07	M
Naphthalene	0.40 U	ug/L	5.0	0.40	1	11/07/2023 06:30	11/07/2023 17:07	M
Styrene	0.45 U	ug/L	1.0	0.45	1	11/07/2023 06:30	11/07/2023 17:07	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104002
Sample ID: PZ-02

Date Collected: 11/01/2023 10:00
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 17:07	M
Toluene	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 17:07	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	1	11/07/2023 06:30	11/07/2023 17:07	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 17:07	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	1	11/07/2023 06:30	11/07/2023 17:07	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	1	11/07/2023 06:30	11/07/2023 17:07	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	1	11/07/2023 06:30	11/07/2023 17:07	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 17:07	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	1	11/07/2023 06:30	11/07/2023 17:07	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 17:07	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 17:07	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 17:07	M
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	1	11/07/2023 06:30	11/07/2023 17:07	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 17:07	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	1	11/07/2023 06:30	11/07/2023 17:07	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	110	70 - 128	M
Toluene-d8 (S)	ug/L	50	49	98	77 - 119	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	49	99	86 - 123	M

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Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104003	Date Collected: 11/01/2023 08:58			Matrix: Water				
Sample ID: PZ-03	Date Received: 11/01/2023 13:53							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	1	11/07/2023 06:30	11/07/2023 17:34	M
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 17:34	M
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	1	11/07/2023 06:30	11/07/2023 17:34	M
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	1	11/07/2023 06:30	11/07/2023 17:34	M
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 17:34	M
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	1	11/07/2023 06:30	11/07/2023 17:34	M
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 17:34	M
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	1	11/07/2023 06:30	11/07/2023 17:34	M
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 17:34	M
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 17:34	M
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	1	11/07/2023 06:30	11/07/2023 17:34	M
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	1	11/07/2023 06:30	11/07/2023 17:34	M
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	1	11/07/2023 06:30	11/07/2023 17:34	M
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 17:34	M
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 17:34	M
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 17:34	M
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 17:34	M
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 17:34	M
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 17:34	M
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	1	11/07/2023 06:30	11/07/2023 17:34	M
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	1	11/07/2023 06:30	11/07/2023 17:34	M
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	1	11/07/2023 06:30	11/07/2023 17:34	M
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 17:34	M
2-Hexanone	0.78 U	ug/L	5.0	0.78	1	11/07/2023 06:30	11/07/2023 17:34	M
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	1	11/07/2023 06:30	11/07/2023 17:34	M
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	1	11/07/2023 06:30	11/07/2023 17:34	M

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Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104003
Sample ID: PZ-03

Date Collected: 11/01/2023 08:58
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	2.0 U	ug/L	25	2.0	1	11/07/2023 06:30	11/07/2023 17:34	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	1	11/07/2023 06:30	11/07/2023 17:34	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	1	11/07/2023 06:30	11/07/2023 17:34	M
Benzene	0.18 U	ug/L	1.0	0.18	1	11/07/2023 06:30	11/07/2023 17:34	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	1	11/07/2023 06:30	11/07/2023 17:34	M
Bromochloromethane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 17:34	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 17:34	M
Bromoform	0.73 U	ug/L	5.0	0.73	1	11/07/2023 06:30	11/07/2023 17:34	M
Bromomethane	0.64 U	ug/L	1.0	0.64	1	11/07/2023 06:30	11/07/2023 17:34	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	1	11/07/2023 06:30	11/07/2023 17:34	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	1	11/07/2023 06:30	11/07/2023 17:34	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	1	11/07/2023 06:30	11/07/2023 17:34	M
Chloroethane	0.64 U	ug/L	1.0	0.64	1	11/07/2023 06:30	11/07/2023 17:34	M
Chloroform	0.51 U	ug/L	1.0	0.51	1	11/07/2023 06:30	11/07/2023 17:34	M
Chloromethane	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 17:34	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 17:34	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 17:34	M
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 17:34	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	1	11/07/2023 06:30	11/07/2023 17:34	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	1	11/07/2023 06:30	11/07/2023 17:34	M
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	1	11/07/2023 06:30	11/07/2023 17:34	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	1	11/07/2023 06:30	11/07/2023 17:34	M
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 17:34	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	1	11/07/2023 06:30	11/07/2023 17:34	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	1	11/07/2023 06:30	11/07/2023 17:34	M
Naphthalene	0.40 U	ug/L	5.0	0.40	1	11/07/2023 06:30	11/07/2023 17:34	M
Styrene	0.45 U	ug/L	1.0	0.45	1	11/07/2023 06:30	11/07/2023 17:34	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104003
Sample ID: PZ-03

Date Collected: 11/01/2023 08:58
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 17:34	M
Toluene	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 17:34	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	1	11/07/2023 06:30	11/07/2023 17:34	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 17:34	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	1	11/07/2023 06:30	11/07/2023 17:34	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	1	11/07/2023 06:30	11/07/2023 17:34	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	1	11/07/2023 06:30	11/07/2023 17:34	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 17:34	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	1	11/07/2023 06:30	11/07/2023 17:34	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 17:34	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 17:34	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 17:34	M
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	1	11/07/2023 06:30	11/07/2023 17:34	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 17:34	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	1	11/07/2023 06:30	11/07/2023 17:34	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	56	112	70 - 128	M
Toluene-d8 (S)	ug/L	50	50	101	77 - 119	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	53	105	86 - 123	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104004
Sample ID: MW-2

Date Collected: 11/01/2023 11:00
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	1	11/07/2023 06:30	11/07/2023 18:02	M
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 18:02	M
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	1	11/07/2023 06:30	11/07/2023 18:02	M
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	1	11/07/2023 06:30	11/07/2023 18:02	M
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 18:02	M
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	1	11/07/2023 06:30	11/07/2023 18:02	M
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:02	M
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	1	11/07/2023 06:30	11/07/2023 18:02	M
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 18:02	M
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 18:02	M
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	1	11/07/2023 06:30	11/07/2023 18:02	M
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	1	11/07/2023 06:30	11/07/2023 18:02	M
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	1	11/07/2023 06:30	11/07/2023 18:02	M
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:02	M
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 18:02	M
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 18:02	M
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 18:02	M
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:02	M
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 18:02	M
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	1	11/07/2023 06:30	11/07/2023 18:02	M
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	1	11/07/2023 06:30	11/07/2023 18:02	M
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	1	11/07/2023 06:30	11/07/2023 18:02	M
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 18:02	M
2-Hexanone	0.78 U	ug/L	5.0	0.78	1	11/07/2023 06:30	11/07/2023 18:02	M
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	1	11/07/2023 06:30	11/07/2023 18:02	M
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	1	11/07/2023 06:30	11/07/2023 18:02	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104004
Sample ID: MW-2

Date Collected: 11/01/2023 11:00
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	2.0 U	ug/L	25	2.0	1	11/07/2023 06:30	11/07/2023 18:02	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	1	11/07/2023 06:30	11/07/2023 18:02	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	1	11/07/2023 06:30	11/07/2023 18:02	M
Benzene	0.18 U	ug/L	1.0	0.18	1	11/07/2023 06:30	11/07/2023 18:02	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	1	11/07/2023 06:30	11/07/2023 18:02	M
Bromochloromethane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:02	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 18:02	M
Bromoform	0.73 U	ug/L	5.0	0.73	1	11/07/2023 06:30	11/07/2023 18:02	M
Bromomethane	0.64 U	ug/L	1.0	0.64	1	11/07/2023 06:30	11/07/2023 18:02	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	1	11/07/2023 06:30	11/07/2023 18:02	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	1	11/07/2023 06:30	11/07/2023 18:02	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	1	11/07/2023 06:30	11/07/2023 18:02	M
Chloroethane	0.64 U	ug/L	1.0	0.64	1	11/07/2023 06:30	11/07/2023 18:02	M
Chloroform	34	ug/L	1.0	0.51	1	11/07/2023 06:30	11/07/2023 18:02	M
Chloromethane	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 18:02	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 18:02	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 18:02	M
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 18:02	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	1	11/07/2023 06:30	11/07/2023 18:02	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	1	11/07/2023 06:30	11/07/2023 18:02	M
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	1	11/07/2023 06:30	11/07/2023 18:02	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	1	11/07/2023 06:30	11/07/2023 18:02	M
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 18:02	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	1	11/07/2023 06:30	11/07/2023 18:02	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	1	11/07/2023 06:30	11/07/2023 18:02	M
Naphthalene	0.40 U	ug/L	5.0	0.40	1	11/07/2023 06:30	11/07/2023 18:02	M
Styrene	0.45 U	ug/L	1.0	0.45	1	11/07/2023 06:30	11/07/2023 18:02	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104004
Sample ID: MW-2

Date Collected: 11/01/2023 11:00
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 18:02	M
Toluene	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:02	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	1	11/07/2023 06:30	11/07/2023 18:02	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 18:02	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	1	11/07/2023 06:30	11/07/2023 18:02	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	1	11/07/2023 06:30	11/07/2023 18:02	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	1	11/07/2023 06:30	11/07/2023 18:02	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 18:02	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	1	11/07/2023 06:30	11/07/2023 18:02	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 18:02	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 18:02	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 18:02	M
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	1	11/07/2023 06:30	11/07/2023 18:02	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 18:02	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	1	11/07/2023 06:30	11/07/2023 18:02	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53	106	70 - 128	M
Toluene-d8 (S)	ug/L	50	51	101	77 - 119	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	50	101	86 - 123	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104005
Sample ID: MW-3

Date Collected: 11/01/2023 09:30
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	1	11/07/2023 06:30	11/07/2023 18:29	M
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 18:29	M
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	1	11/07/2023 06:30	11/07/2023 18:29	M
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	1	11/07/2023 06:30	11/07/2023 18:29	M
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 18:29	M
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	1	11/07/2023 06:30	11/07/2023 18:29	M
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:29	M
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	1	11/07/2023 06:30	11/07/2023 18:29	M
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 18:29	M
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 18:29	M
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	1	11/07/2023 06:30	11/07/2023 18:29	M
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	1	11/07/2023 06:30	11/07/2023 18:29	M
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	1	11/07/2023 06:30	11/07/2023 18:29	M
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:29	M
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 18:29	M
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 18:29	M
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 18:29	M
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:29	M
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 18:29	M
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	1	11/07/2023 06:30	11/07/2023 18:29	M
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	1	11/07/2023 06:30	11/07/2023 18:29	M
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	1	11/07/2023 06:30	11/07/2023 18:29	M
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 18:29	M
2-Hexanone	0.78 U	ug/L	5.0	0.78	1	11/07/2023 06:30	11/07/2023 18:29	M
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	1	11/07/2023 06:30	11/07/2023 18:29	M
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	1	11/07/2023 06:30	11/07/2023 18:29	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104005
Sample ID: MW-3

Date Collected: 11/01/2023 09:30
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	2.0 U	ug/L	25	2.0	1	11/07/2023 06:30	11/07/2023 18:29	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	1	11/07/2023 06:30	11/07/2023 18:29	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	1	11/07/2023 06:30	11/07/2023 18:29	M
Benzene	0.18 U	ug/L	1.0	0.18	1	11/07/2023 06:30	11/07/2023 18:29	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	1	11/07/2023 06:30	11/07/2023 18:29	M
Bromochloromethane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:29	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 18:29	M
Bromoform	0.73 U	ug/L	5.0	0.73	1	11/07/2023 06:30	11/07/2023 18:29	M
Bromomethane	0.64 U	ug/L	1.0	0.64	1	11/07/2023 06:30	11/07/2023 18:29	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	1	11/07/2023 06:30	11/07/2023 18:29	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	1	11/07/2023 06:30	11/07/2023 18:29	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	1	11/07/2023 06:30	11/07/2023 18:29	M
Chloroethane	0.64 U	ug/L	1.0	0.64	1	11/07/2023 06:30	11/07/2023 18:29	M
Chloroform	0.51 U	ug/L	1.0	0.51	1	11/07/2023 06:30	11/07/2023 18:29	M
Chloromethane	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 18:29	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 18:29	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 18:29	M
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 18:29	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	1	11/07/2023 06:30	11/07/2023 18:29	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	1	11/07/2023 06:30	11/07/2023 18:29	M
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	1	11/07/2023 06:30	11/07/2023 18:29	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	1	11/07/2023 06:30	11/07/2023 18:29	M
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 18:29	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	1	11/07/2023 06:30	11/07/2023 18:29	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	1	11/07/2023 06:30	11/07/2023 18:29	M
Naphthalene	0.40 U	ug/L	5.0	0.40	1	11/07/2023 06:30	11/07/2023 18:29	M
Styrene	0.45 U	ug/L	1.0	0.45	1	11/07/2023 06:30	11/07/2023 18:29	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104005
Sample ID: MW-3

Date Collected: 11/01/2023 09:30
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 18:29	M
Toluene	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:29	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	1	11/07/2023 06:30	11/07/2023 18:29	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 18:29	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	1	11/07/2023 06:30	11/07/2023 18:29	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	1	11/07/2023 06:30	11/07/2023 18:29	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	1	11/07/2023 06:30	11/07/2023 18:29	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 18:29	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	1	11/07/2023 06:30	11/07/2023 18:29	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 18:29	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 18:29	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 18:29	M
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	1	11/07/2023 06:30	11/07/2023 18:29	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 18:29	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	1	11/07/2023 06:30	11/07/2023 18:29	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	109	70 - 128	M
Toluene-d8 (S)	ug/L	50	49	99	77 - 119	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	50	101	86 - 123	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104006	Date Collected: 11/01/2023 10:35					Matrix: Water			
Sample ID: DW-1	Date Received: 11/01/2023 13:53								
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
VOLATILES (SW-846 5030B/SW-846 8260D)									
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:52	M	
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 18:52	M	
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	1	11/07/2023 06:30	11/07/2023 18:52	M	
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	1	11/07/2023 06:30	11/07/2023 18:52	M	
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	1	11/07/2023 06:30	11/07/2023 18:52	M	
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 18:52	M	
2-Hexanone	0.78 U	ug/L	5.0	0.78	1	11/07/2023 06:30	11/07/2023 18:52	M	
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	1	11/07/2023 06:30	11/07/2023 18:52	M	
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	1	11/07/2023 06:30	11/07/2023 18:52	M	

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104006
Sample ID: DW-1

Date Collected: 11/01/2023 10:35
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	2.0 U	ug/L	25	2.0	1	11/07/2023 06:30	11/07/2023 18:52	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	1	11/07/2023 06:30	11/07/2023 18:52	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	1	11/07/2023 06:30	11/07/2023 18:52	M
Benzene	0.18 U	ug/L	1.0	0.18	1	11/07/2023 06:30	11/07/2023 18:52	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	1	11/07/2023 06:30	11/07/2023 18:52	M
Bromochloromethane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:52	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 18:52	M
Bromoform	0.73 U	ug/L	5.0	0.73	1	11/07/2023 06:30	11/07/2023 18:52	M
Bromomethane	0.64 U	ug/L	1.0	0.64	1	11/07/2023 06:30	11/07/2023 18:52	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	1	11/07/2023 06:30	11/07/2023 18:52	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	1	11/07/2023 06:30	11/07/2023 18:52	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	1	11/07/2023 06:30	11/07/2023 18:52	M
Chloroethane	0.64 U	ug/L	1.0	0.64	1	11/07/2023 06:30	11/07/2023 18:52	M
Chloroform	0.51 U	ug/L	1.0	0.51	1	11/07/2023 06:30	11/07/2023 18:52	M
Chloromethane	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 18:52	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 18:52	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 18:52	M
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 18:52	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	1	11/07/2023 06:30	11/07/2023 18:52	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	1	11/07/2023 06:30	11/07/2023 18:52	M
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	1	11/07/2023 06:30	11/07/2023 18:52	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	1	11/07/2023 06:30	11/07/2023 18:52	M
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 18:52	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	1	11/07/2023 06:30	11/07/2023 18:52	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	1	11/07/2023 06:30	11/07/2023 18:52	M
Naphthalene	0.40 U	ug/L	5.0	0.40	1	11/07/2023 06:30	11/07/2023 18:52	M
Styrene	0.45 U	ug/L	1.0	0.45	1	11/07/2023 06:30	11/07/2023 18:52	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104006
Sample ID: DW-1

Date Collected: 11/01/2023 10:35
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	11	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 18:52	M
Toluene	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 18:52	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	1	11/07/2023 06:30	11/07/2023 18:52	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 18:52	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	1	11/07/2023 06:30	11/07/2023 18:52	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	1	11/07/2023 06:30	11/07/2023 18:52	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	1	11/07/2023 06:30	11/07/2023 18:52	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 18:52	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	1	11/07/2023 06:30	11/07/2023 18:52	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 18:52	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 18:52	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 18:52	M
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	1	11/07/2023 06:30	11/07/2023 18:52	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 18:52	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	1	11/07/2023 06:30	11/07/2023 18:52	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	111	70 - 128	M
Toluene-d8 (S)	ug/L	50	50	99	77 - 119	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	51	102	86 - 123	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104007	Date Collected: 11/01/2023 11:50			Matrix: Water				
Sample ID: IDW WATER	Date Received: 11/01/2023 13:53							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3010A/SW-846 6010)								
Arsenic	3.1 U	ug/L	10	3.1	1	11/07/2023 11:11	11/08/2023 19:41	M
Cadmium	1.0 U	ug/L	2.0	1.0	1	11/07/2023 11:11	11/08/2023 19:41	M
Chromium	5.0 U	ug/L	10	5.0	1	11/07/2023 11:11	11/08/2023 19:41	M
Lead	3.0 U	ug/L	10	3.0	1	11/07/2023 11:11	11/08/2023 19:41	M
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	1	11/07/2023 06:30	11/07/2023 19:15	M
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 19:15	M
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	1	11/07/2023 06:30	11/07/2023 19:15	M
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	1	11/07/2023 06:30	11/07/2023 19:15	M
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 19:15	M
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	1	11/07/2023 06:30	11/07/2023 19:15	M
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 19:15	M
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	1	11/07/2023 06:30	11/07/2023 19:15	M
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 19:15	M
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 19:15	M
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	1	11/07/2023 06:30	11/07/2023 19:15	M
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	1	11/07/2023 06:30	11/07/2023 19:15	M
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	1	11/07/2023 06:30	11/07/2023 19:15	M
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 19:15	M
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 19:15	M
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 19:15	M
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 19:15	M
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 19:15	M
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 19:15	M
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	1	11/07/2023 06:30	11/07/2023 19:15	M
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	1	11/07/2023 06:30	11/07/2023 19:15	M





FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104007
Sample ID: IDW WATER

Date Collected: 11/01/2023 11:50
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	1	11/07/2023 06:30	11/07/2023 19:15	M
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	1	11/07/2023 06:30	11/07/2023 19:15	M
2-Hexanone	0.78 U	ug/L	5.0	0.78	1	11/07/2023 06:30	11/07/2023 19:15	M
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	1	11/07/2023 06:30	11/07/2023 19:15	M
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	1	11/07/2023 06:30	11/07/2023 19:15	M
Acetone	2.0 U	ug/L	25	2.0	1	11/07/2023 06:30	11/07/2023 19:15	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	1	11/07/2023 06:30	11/07/2023 19:15	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	1	11/07/2023 06:30	11/07/2023 19:15	M
Benzene	0.18 U	ug/L	1.0	0.18	1	11/07/2023 06:30	11/07/2023 19:15	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	1	11/07/2023 06:30	11/07/2023 19:15	M
Bromochloromethane	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 19:15	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 19:15	M
Bromoform	0.73 U	ug/L	5.0	0.73	1	11/07/2023 06:30	11/07/2023 19:15	M
Bromomethane	0.64 U	ug/L	1.0	0.64	1	11/07/2023 06:30	11/07/2023 19:15	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	1	11/07/2023 06:30	11/07/2023 19:15	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	1	11/07/2023 06:30	11/07/2023 19:15	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	1	11/07/2023 06:30	11/07/2023 19:15	M
Chloroethane	0.64 U	ug/L	1.0	0.64	1	11/07/2023 06:30	11/07/2023 19:15	M
Chloroform	2.8	ug/L	1.0	0.51	1	11/07/2023 06:30	11/07/2023 19:15	M
Chloromethane	0.42 U	ug/L	1.0	0.42	1	11/07/2023 06:30	11/07/2023 19:15	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 19:15	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 19:15	M
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 19:15	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	1	11/07/2023 06:30	11/07/2023 19:15	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	1	11/07/2023 06:30	11/07/2023 19:15	M
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	1	11/07/2023 06:30	11/07/2023 19:15	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	1	11/07/2023 06:30	11/07/2023 19:15	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104007
Sample ID: IDW WATER

Date Collected: 11/01/2023 11:50
Date Received: 11/01/2023 13:53

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	1	11/07/2023 06:30	11/07/2023 19:15	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	1	11/07/2023 06:30	11/07/2023 19:15	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	1	11/07/2023 06:30	11/07/2023 19:15	M
Naphthalene	0.40 U	ug/L	5.0	0.40	1	11/07/2023 06:30	11/07/2023 19:15	M
Styrene	0.45 U	ug/L	1.0	0.45	1	11/07/2023 06:30	11/07/2023 19:15	M
Tetrachloroethylene (PCE)	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 19:15	M
Toluene	0.49 U	ug/L	1.0	0.49	1	11/07/2023 06:30	11/07/2023 19:15	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	1	11/07/2023 06:30	11/07/2023 19:15	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 19:15	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	1	11/07/2023 06:30	11/07/2023 19:15	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	1	11/07/2023 06:30	11/07/2023 19:15	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	1	11/07/2023 06:30	11/07/2023 19:15	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	1	11/07/2023 06:30	11/07/2023 19:15	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	1	11/07/2023 06:30	11/07/2023 19:15	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 19:15	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	1	11/07/2023 06:30	11/07/2023 19:15	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	1	11/07/2023 06:30	11/07/2023 19:15	M
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	1	11/07/2023 06:30	11/07/2023 19:15	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	1	11/07/2023 06:30	11/07/2023 19:15	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	1	11/07/2023 06:30	11/07/2023 19:15	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	56	112	70 - 128	M
Toluene-d8 (S)	ug/L	50	49	97	77 - 119	M
Bromofluorobenzene (S)	ug/L	50	51	101	86 - 123	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104008		Date Collected: 11/01/2023 11:40				Matrix: Soil		
Sample ID: IDW SOIL		Date Received: 11/01/2023 13:53						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS, TCLP (SW-846 3010A/SW-846 6010)								
Arsenic	0.0031 U	mg/L	0.010	0.0031	1	11/22/2023 05:00	11/28/2023 20:12	M
Cadmium	0.0010 U	mg/L	0.0020	0.0010	1	11/22/2023 05:00	11/28/2023 20:12	M
Chromium	0.010 I	mg/L	0.010	0.0050	1	11/22/2023 05:00	11/28/2023 20:12	M
Lead	0.0081 I	mg/L	0.010	0.0030	1	11/22/2023 05:00	11/28/2023 20:12	M
(SM 2540G)								
Percent Moisture	24	%	0.0010	0.0010	1	11/03/2023 14:00	11/03/2023 14:00	M
VOLATILES, TCLP (SW-846 5030B/SW-846 8260D)								
1,1,1,2-Tetrachloroethane	34 U	ug/L	50	34	50	11/07/2023 14:58	11/08/2023 10:05	M
1,1,1-Trichloroethane	28 U	ug/L	50	28	50	11/07/2023 14:58	11/08/2023 10:05	M
1,1,2,2-Tetrachloroethane	8.0 U	ug/L	50	8.0	50	11/07/2023 14:58	11/08/2023 10:05	M
1,1,2-Trichloroethane	30 U	ug/L	50	30	50	11/07/2023 14:58	11/08/2023 10:05	M
1,1-Dichloroethane	18 U	ug/L	50	18	50	11/07/2023 14:58	11/08/2023 10:05	M
1,1-Dichloroethylene	24 U	ug/L	50	24	50	11/07/2023 14:58	11/08/2023 10:05	M
1,1-Dichloropropene	24 U	ug/L	50	24	50	11/07/2023 14:58	11/08/2023 10:05	M
1,2,3-Trichlorobenzene	40 U	ug/L	250	40	50	11/07/2023 14:58	11/08/2023 10:05	M
1,2,3-Trichloropropane	30 U	ug/L	50	30	50	11/07/2023 14:58	11/08/2023 10:05	M
1,2,4-Trichlorobenzene	28 U	ug/L	50	28	50	11/07/2023 14:58	11/08/2023 10:05	M
1,2,4-Trimethylbenzene	24 U	ug/L	250	24	50	11/07/2023 14:58	11/08/2023 10:05	M
1,2-Dibromo-3-Chloropropane	1.3 U	ug/L	5.0	1.3	50	11/07/2023 14:58	11/08/2023 10:05	M
1,2-Dichlorobenzene	44 U	ug/L	50	44	50	11/07/2023 14:58	11/08/2023 10:05	M
1,2-Dichloroethane	24 U	ug/L	50	24	50	11/07/2023 14:58	11/08/2023 10:05	M
1,2-Dichloropropane	28 U	ug/L	50	28	50	11/07/2023 14:58	11/08/2023 10:05	M
1,3,5-Trimethylbenzene	21 U	ug/L	50	21	50	11/07/2023 14:58	11/08/2023 10:05	M
1,3-Dichlorobenzene	30 U	ug/L	50	30	50	11/07/2023 14:58	11/08/2023 10:05	M
1,3-Dichloropropane	24 U	ug/L	50	24	50	11/07/2023 14:58	11/08/2023 10:05	M
1,4-Dichlorobenzene	24 U	ug/L	50	24	50	11/07/2023 14:58	11/08/2023 10:05	M
2,2-Dichloropropane	20 U	ug/L	50	20	50	11/07/2023 14:58	11/08/2023 10:05	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104008
Sample ID: IDW SOIL

Date Collected: 11/01/2023 11:40
Date Received: 11/01/2023 13:53

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	79 U	ug/L	250	79	50	11/07/2023 14:58	11/08/2023 10:05	M
2-Chloroethyl Vinyl Ether	77 U	ug/L	250	77	50	11/07/2023 14:58	11/08/2023 10:05	M
2-Chlorotoluene	28 U	ug/L	50	28	50	11/07/2023 14:58	11/08/2023 10:05	M
2-Hexanone	39 U	ug/L	250	39	50	11/07/2023 14:58	11/08/2023 10:05	M
4-Chlorotoluene	18 U	ug/L	50	18	50	11/07/2023 14:58	11/08/2023 10:05	M
4-Methyl-2-pentanone (MIBK)	94 U	ug/L	250	94	50	11/07/2023 14:58	11/08/2023 10:05	M
Acetone	100 U	ug/L	1200	100	50	11/07/2023 14:58	11/08/2023 10:05	M
Acrolein (Propenal)	170 U	ug/L	1200	170	50	11/07/2023 14:58	11/08/2023 10:05	M
Acrylonitrile	130 U	ug/L	250	130	50	11/07/2023 14:58	11/08/2023 10:05	M
Benzene	9.0 U	ug/L	50	9.0	50	11/07/2023 14:58	11/08/2023 10:05	M
Bromobenzene	27 U	ug/L	50	27	50	11/07/2023 14:58	11/08/2023 10:05	M
Bromochloromethane	24 U	ug/L	50	24	50	11/07/2023 14:58	11/08/2023 10:05	M
Bromodichloromethane	21 U	ug/L	50	21	50	11/07/2023 14:58	11/08/2023 10:05	M
Bromoform	36 U	ug/L	250	36	50	11/07/2023 14:58	11/08/2023 10:05	M
Bromomethane	32 U	ug/L	50	32	50	11/07/2023 14:58	11/08/2023 10:05	M
Carbon Disulfide	57 U	ug/L	250	57	50	11/07/2023 14:58	11/08/2023 10:05	M
Carbon Tetrachloride	22 U	ug/L	50	22	50	11/07/2023 14:58	11/08/2023 10:05	M
Chlorobenzene	34 U	ug/L	50	34	50	11/07/2023 14:58	11/08/2023 10:05	M
Chloroethane	32 U	ug/L	50	32	50	11/07/2023 14:58	11/08/2023 10:05	M
Chloroform	26 U	ug/L	50	26	50	11/07/2023 14:58	11/08/2023 10:05	M
Chloromethane	21 U	ug/L	50	21	50	11/07/2023 14:58	11/08/2023 10:05	M
Dibromochloromethane	18 U	ug/L	50	18	50	11/07/2023 14:58	11/08/2023 10:05	M
Dibromomethane	20 U	ug/L	50	20	50	11/07/2023 14:58	11/08/2023 10:05	M
Dichlorodifluoromethane	20 U	ug/L	50	20	50	11/07/2023 14:58	11/08/2023 10:05	M
Ethylbenzene	19 U	ug/L	50	19	50	11/07/2023 14:58	11/08/2023 10:05	M
Ethylene Dibromide (EDB)	0.64 U	ug/L	5.0	0.64	50	11/07/2023 14:58	11/08/2023 10:05	M
Hexachlorobutadiene	16 U	ug/L	250	16	50	11/07/2023 14:58	11/08/2023 10:05	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Lab ID: M2306104008
Sample ID: IDW SOIL

Date Collected: 11/01/2023 11:40
Date Received: 11/01/2023 13:53

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Iodomethane (Methyl Iodide)	58 U	ug/L	250	58	50	11/07/2023 14:58	11/08/2023 10:05	M
Isopropylbenzene	18 U	ug/L	50	18	50	11/07/2023 14:58	11/08/2023 10:05	M
Methyl tert-butyl Ether (MTBE)	12 U	ug/L	50	12	50	11/07/2023 14:58	11/08/2023 10:05	M
Methylene Chloride	50 U	ug/L	250	50	50	11/07/2023 14:58	11/08/2023 10:05	M
Naphthalene	20 U	ug/L	250	20	50	11/07/2023 14:58	11/08/2023 10:05	M
Styrene	22 U	ug/L	50	22	50	11/07/2023 14:58	11/08/2023 10:05	M
Tetrachloroethylene (PCE)	24 U	ug/L	50	24	50	11/07/2023 14:58	11/08/2023 10:05	M
Toluene	24 U	ug/L	50	24	50	11/07/2023 14:58	11/08/2023 10:05	M
Trichloroethene	23 U	ug/L	50	23	50	11/07/2023 14:58	11/08/2023 10:05	M
Trichlorofluoromethane	20 U	ug/L	50	20	50	11/07/2023 14:58	11/08/2023 10:05	M
Vinyl Acetate	42 U	ug/L	250	42	50	11/07/2023 14:58	11/08/2023 10:05	M
Vinyl Chloride	6.0 U	ug/L	50	6.0	50	11/07/2023 14:58	11/08/2023 10:05	M
Xylene (Total)	53 U	ug/L	100	53	50	11/07/2023 14:58	11/08/2023 10:05	M
cis-1,2-Dichloroethylene	24 U	ug/L	50	24	50	11/07/2023 14:58	11/08/2023 10:05	M
cis-1,3-Dichloropropene	9.5 U	ug/L	50	9.5	50	11/07/2023 14:58	11/08/2023 10:05	M
n-Butylbenzene	28 U	ug/L	50	28	50	11/07/2023 14:58	11/08/2023 10:05	M
n-propylbenzene	20 U	ug/L	50	20	50	11/07/2023 14:58	11/08/2023 10:05	M
sec-butylbenzene	28 U	ug/L	50	28	50	11/07/2023 14:58	11/08/2023 10:05	M
tert-butylbenzene	20 U	ug/L	50	20	50	11/07/2023 14:58	11/08/2023 10:05	M
trans-1,2-Dichloroethylene	30 U	ug/L	50	30	50	11/07/2023 14:58	11/08/2023 10:05	M
trans-1,3-Dichloropropylene	7.5 U	ug/L	50	7.5	50	11/07/2023 14:58	11/08/2023 10:05	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

Analytical Results

Surrogates						
Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	2500	2800	112	70 - 128	M
Toluene-d8 (S)	ug/L	2500	2400	97	77 - 119	M
Bromofluorobenzene (S)	ug/L	2500	2600	104	86 - 123	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

QC Results

QC Batch: ICPm/3673
Preparation Method: SW-846 3010A
Associated Lab IDs: M2306104007

Analysis Method: SW-846 6010

Method Blank(5035925)

Parameter	Results	Units	PQL	MDL	Lab
Arsenic	3.1 U	ug/L	10	3.1	M
Cadmium	1.0 U	ug/L	2.0	1.0	M
Chromium	5.0 U	ug/L	10	5.0	M
Lead	3.0 U	ug/L	10	3.0	M

Lab Control Sample (5035926)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Arsenic	ug/L	160	160	102	80 - 120	M
Cadmium	ug/L	20	21	104	80 - 120	M
Chromium	ug/L	100	100	104	80 - 120	M
Lead	ug/L	60	61	102	80 - 120	M

Matrix Spike (5035927); Matrix Spike Duplicate (5035928); Original (M2306116001); Parent Lab Sample (M2306116001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Arsenic	ug/L	160	190	118	75 - 125	200	122	3	20	M
Cadmium	ug/L	20	19	97	75 - 125	20	100	4	20	M
Chromium	ug/L	100	100	103	75 - 125	110	106	3	20	M
Lead	ug/L	60	57	95	75 - 125	59	98	4	20	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

QC Results

QC Batch: ICPm/3699
Preparation Method: SW-846 3010A
Associated Lab IDs: M2306104008

Analysis Method: SW-846 6010

Method Blank(5059558)

Parameter	Results	Units	PQL	MDL	Lab
Lead	0.0030 U	mg/L	0.010	0.0030	M
Arsenic	0.0031 U	mg/L	0.010	0.0031	M
Cadmium	0.0010 U	mg/L	0.0020	0.0010	M
Chromium	0.0050 U	mg/L	0.010	0.0050	M

Method Blank(5059558)

Parameter	Results	Units	PQL	MDL	Lab
Lead	0.0030 U	mg/L	0.010	0.0030	M
Arsenic	0.0031 U	mg/L	0.010	0.0031	M
Cadmium	0.0010 U	mg/L	0.0020	0.0010	M
Chromium	0.0050 U	mg/L	0.010	0.0050	M

Lab Control Sample (5059559)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Lead	mg/L	0.06	.065	108	80 - 120	M
Arsenic	mg/L	0.16	.17	107	80 - 120	M
Cadmium	mg/L	0.02	.022	111	80 - 120	M
Chromium	mg/L	0.10	.11	112	80 - 120	M

Lab Control Sample (5059559)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Lead	mg/L	0.06	.065	108	80 - 120	M
Arsenic	mg/L	0.16	.17	107	80 - 120	M
Cadmium	mg/L	0.02	.022	111	80 - 120	M
Chromium	mg/L	0.10	.11	112	80 - 120	M

Matrix Spike (5059560); Matrix Spike Duplicate (5059561); Original (M2305939001); Parent Lab Sample (M2305939001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Arsenic	mg/L	0.16	.039	25	75 - 125	.043	27	9	20	M
Lead	mg/L	0.06	.2	119	75 - 125	.2	123	1	20	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

QC Result Comments

Matrix Spike - 5059560 - Arsenic

J4|Estimated Result

Matrix Spike Duplicate - 5059561 - Arsenic

J4|Estimated Result

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FINAL

Workorder: Crystal Cleaners (M2306104)

QC Results

QC Batch: MSVm/4949 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: M2306104001, M2306104002, M2306104003, M2306104004, M2306104005, M2306104006, M2306104007

Method Blank(5034271)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	M
Chloromethane	0.42 U	ug/L	1.0	0.42	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	M
Bromomethane	0.64 U	ug/L	1.0	0.64	M
Chloroethane	0.64 U	ug/L	1.0	0.64	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	M
Acetone	2.0 U	ug/L	25	2.0	M
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	M
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	M
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	M
Bromochloromethane	0.49 U	ug/L	1.0	0.49	M
Chloroform	0.51 U	ug/L	1.0	0.51	M
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	M
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	M
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	M
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	M
Benzene	0.18 U	ug/L	1.0	0.18	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	M
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	M





FINAL

Workorder: Crystal Cleaners (M2306104)

QC Batch: MSVm/4949 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: M2306104001, M2306104002, M2306104003, M2306104004, M2306104005, M2306104006, M2306104007

Parameter	Results	Units	PQL	MDL	Lab
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	M
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	M
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	M
Toluene	0.49 U	ug/L	1.0	0.49	M
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	M
2-Hexanone	0.78 U	ug/L	5.0	0.78	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	M
Tetrachloroethylene (PCE)	0.48 U	ug/L	1.0	0.48	M
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	M
Bromoform	0.73 U	ug/L	5.0	0.73	M
Styrene	0.45 U	ug/L	1.0	0.45	M
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	M
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	M
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	M
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	M
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	M
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	M
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	M
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	M
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	M
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	M
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	M
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	M
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	M
Naphthalene	0.40 U	ug/L	5.0	0.40	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

QC Batch: MSVm/4949 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: M2306104001, M2306104002, M2306104003, M2306104004, M2306104005, M2306104006, M2306104007

Parameter	Results	Units	PQL	MDL	Lab
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	M
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	109	70 - 128	M
Bromofluorobenzene (S)	ug/L	50	52	105	86 - 123	M
Toluene-d8 (S)	ug/L	50	49	98	77 - 119	M

Lab Control Sample (5034272); Lab Control Sample Duplicate (5034273); Parent Lab Sample (M2306104001, M2306104002, M2306104003, M2306104004, M2306104005, M2306104006, M2306104007)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	19	97	32 - 152	21	106	9	20	M
Chloromethane	ug/L	20	18	91	50 - 139	20	100	9	20	M
Vinyl Chloride	ug/L	20	19	93	58 - 137	21	103	10	20	M
Bromomethane	ug/L	20	23	113	10 - 150	19	95	17	20	M
Chloroethane	ug/L	20	21	107	60 - 138	23	117	8	20	M
Trichlorofluoromethane	ug/L	20	20	99	65 - 141	22	109	9	20	M
Acrolein (Propenal)	ug/L	100	95	95	39 - 155	95	95	0	20	M
Acetone	ug/L	20	19	97	39 - 160	19	96	1	20	M
1,1-Dichloroethylene	ug/L	20	18	92	71 - 131	20	100	8	20	M
Iodomethane (Methyl Iodide)	ug/L	20	19	94	10 - 150	22	108	14	20	M
Acrylonitrile	ug/L	20	19	93	63 - 135	18	91	2	20	M
Methylene Chloride	ug/L	20	19	97	74 - 124	19	96	2	20	M
Carbon Disulfide	ug/L	20	19	95	64 - 133	21	103	9	20	M
trans-1,2-Dichloroethylene	ug/L	20	18	90	75 - 124	20	100	11	20	M
Methyl tert-butyl Ether (MT)	ug/L	20	18	92	71 - 124	19	95	3	20	M
1,1-Dichloroethane	ug/L	20	18	92	77 - 125	20	100	8	20	M
Vinyl Acetate	ug/L	20	18	88	10 - 150	17	86	3	20	M
2-Butanone (MEK)	ug/L	20	19	94	56 - 143	18	90	4	20	M
cis-1,2-Dichloroethylene	ug/L	20	18	90	78 - 123	20	99	9	20	M
Bromochloromethane	ug/L	20	19	94	78 - 123	20	99	5	20	M
Chloroform	ug/L	20	18	91	79 - 124	20	99	8	20	M
2,2-Dichloropropane	ug/L	20	18	90	10 - 150	20	99	10	20	M

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Workorder: Crystal Cleaners (M2306104)

QC Batch: MSVm/4949 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: M2306104001, M2306104002, M2306104003, M2306104004, M2306104005, M2306104006, M2306104007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane	ug/L	20	18	91	73 - 128	19	97	6	20	M
1,1,1-Trichloroethane	ug/L	20	18	92	74 - 131	20	98	6	20	M
1,1-Dichloropropene	ug/L	20	18	91	79 - 125	19	96	6	20	M
Carbon Tetrachloride	ug/L	20	21	106	72 - 136	22	112	5	20	M
Benzene	ug/L	20	18	90	79 - 120	19	96	7	20	M
Dibromomethane	ug/L	20	18	89	79 - 123	19	95	6	20	M
1,2-Dichloropropane	ug/L	20	18	90	78 - 122	19	97	7	20	M
Trichloroethene	ug/L	20	19	93	79 - 123	20	101	8	20	M
Bromodichloromethane	ug/L	20	18	91	79 - 125	19	96	4	20	M
2-Chloroethyl Vinyl Ether	ug/L	20	18	92	10 - 150	18	92	1	20	M
cis-1,3-Dichloropropene	ug/L	20	19	93	75 - 124	19	96	4	20	M
4-Methyl-2-pentanone (MIB)	ug/L	20	19	94	67 - 130	18	92	3	20	M
trans-1,3-Dichloropropylene	ug/L	20	18	92	73 - 127	19	95	4	20	M
1,1,2-Trichloroethane	ug/L	20	19	93	80 - 119	19	94	2	20	M
Toluene	ug/L	20	18	92	80 - 121	20	98	6	20	M
1,3-Dichloropropane	ug/L	20	18	91	80 - 119	18	91	0	20	M
2-Hexanone	ug/L	20	20	100	57 - 139	19	96	4	20	M
Dibromochloromethane	ug/L	20	19	94	74 - 126	20	99	5	20	M
Ethylene Dibromide (EDB)	ug/L	20	18	92	77 - 121	18	89	4	20	M
Tetrachloroethylene (PCE)	ug/L	20	18	92	74 - 129	20	101	9	20	M
1,1,1,2-Tetrachloroethane	ug/L	20	19	96	78 - 124	20	100	4	20	M
Chlorobenzene	ug/L	20	19	95	82 - 118	20	99	4	20	M
Ethylbenzene	ug/L	20	19	93	79 - 121	20	99	7	20	M
Bromoform	ug/L	20	18	90	66 - 130	18	89	1	20	M
Styrene	ug/L	20	19	97	78 - 123	20	102	5	20	M
1,1,1,2,2-Tetrachloroethane	ug/L	20	19	93	71 - 121	17	86	7	20	M
1,2,3-Trichloropropane	ug/L	20	22	108	73 - 122	21	105	2	20	M
Isopropylbenzene	ug/L	20	19	97	72 - 131	20	102	5	20	M
Bromobenzene	ug/L	20	21	103	80 - 120	21	105	2	20	M
n-propylbenzene	ug/L	20	20	101	76 - 126	21	103	2	20	M
2-Chlorotoluene	ug/L	20	19	95	79 - 122	20	100	5	20	M
4-Chlorotoluene	ug/L	20	21	106	78 - 122	22	112	6	20	M
1,3,5-Trimethylbenzene	ug/L	20	19	94	75 - 124	21	103	9	20	M





FINAL

Workorder: Crystal Cleaners (M2306104)

QC Batch: MSVm/4949 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: M2306104001, M2306104002, M2306104003, M2306104004, M2306104005, M2306104006, M2306104007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
tert-butylbenzene	ug/L	20	19	94	78 - 124	20	101	7	20	M
1,2,4-Trimethylbenzene	ug/L	20	20	101	76 - 124	21	105	3	20	M
sec-butylbenzene	ug/L	20	19	96	77 - 126	20	102	6	20	M
1,3-Dichlorobenzene	ug/L	20	21	105	80 - 119	22	111	5	20	M
1,4-Dichlorobenzene	ug/L	20	23	117	79 - 118	23	114	3	20	M
1,2-Dichlorobenzene	ug/L	20	20	99	80 - 119	20	102	4	20	M
n-Butylbenzene	ug/L	20	24	118	75 - 128	23	115	2	20	M
1,2-Dibromo-3-Chloropropa	ug/L	20	21	107	62 - 128	20	100	6	20	M
1,2,4-Trichlorobenzene	ug/L	20	22	110	69 - 130	21	107	3	20	M
Naphthalene	ug/L	20	24	118	61 - 128	24	119	1	20	M
Hexachlorobutadiene	ug/L	20	20	101	66 - 134	21	104	3	20	M
1,2,3-Trichlorobenzene	ug/L	20	23	116	69 - 129	23	114	1	20	M
Xylene (Total)	ug/L	60	56	93	79 - 121	58	97	4	20	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	54	109	70 - 128	55	110	1		M
Bromofluorobenzene (S)	ug/L	50	51	101	86 - 123	52	103	2		M
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	50	99	0		M

Matrix Spike (5034274); Original (M2306104001); Parent Lab Sample (M2306104001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	23	117	32 - 152	M
Chloromethane	ug/L	20	21	107	50 - 139	M
Vinyl Chloride	ug/L	20	23	116	10 - 150	M
Bromomethane	ug/L	20	19	96	10 - 150	M
Chloroethane	ug/L	20	22	112	60 - 138	M
Trichlorofluoromethane	ug/L	20	24	120	65 - 141	M
Acrolein (Propenal)	ug/L	100	80	80	39 - 155	M
Acetone	ug/L	20	17	83	39 - 160	M
1,1-Dichloroethylene	ug/L	20	18	91	71 - 131	M
Iodomethane (Methyl Iodide)	ug/L	20	18	88	10 - 150	M
Acrylonitrile	ug/L	20	16	79	63 - 135	M
Methylene Chloride	ug/L	20	15	75	74 - 124	M





FINAL

Workorder: Crystal Cleaners (M2306104)

QC Batch: MSVm/4949 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: M2306104001, M2306104002, M2306104003, M2306104004, M2306104005, M2306104006, M2306104007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Carbon Disulfide	ug/L	20	18	92	64 - 133	M
trans-1,2-Dichloroethylene	ug/L	20	17	84	75 - 124	M
Methyl tert-butyl Ether (MTBE)	ug/L	20	16	81	71 - 124	M
1,1-Dichloroethane	ug/L	20	16	82	77 - 125	M
Vinyl Acetate	ug/L	20	15	76	54 - 146	M
2-Butanone (MEK)	ug/L	20	15	74	56 - 143	M
cis-1,2-Dichloroethylene	ug/L	20	16	80	78 - 123	M
Bromochloromethane	ug/L	20	16	82	78 - 123	M
Chloroform	ug/L	20	16	81	79 - 124	M
2,2-Dichloropropane	ug/L	20	17	85	10 - 150	M
1,2-Dichloroethane	ug/L	20	16	79	73 - 128	M
1,1,1-Trichloroethane	ug/L	20	17	87	74 - 131	M
1,1-Dichloropropene	ug/L	20	18	89	79 - 125	M
Carbon Tetrachloride	ug/L	20	21	105	72 - 136	M
Benzene	ug/L	20	16	81	79 - 120	M
Dibromomethane	ug/L	20	17	83	79 - 123	M
1,2-Dichloropropane	ug/L	20	16	81	78 - 122	M
Trichloroethene	ug/L	20	17	83	79 - 123	M
Bromodichloromethane	ug/L	20	16	80	79 - 125	M
2-Chloroethyl Vinyl Ether	ug/L	20	16	79	10 - 150	M
cis-1,3-Dichloropropene	ug/L	20	16	81	75 - 124	M
4-Methyl-2-pentanone (MIBK)	ug/L	20	16	79	67 - 130	M
trans-1,3-Dichloropropylene	ug/L	20	16	80	73 - 127	M
1,1,2-Trichloroethane	ug/L	20	16	78	80 - 119	M
Toluene	ug/L	20	17	87	80 - 121	M
1,3-Dichloropropane	ug/L	20	16	81	80 - 119	M
2-Hexanone	ug/L	20	18	88	57 - 139	M
Dibromochloromethane	ug/L	20	17	84	74 - 126	M
Ethylene Dibromide (EDB)	ug/L	20	16	80	77 - 121	M
Tetrachloroethylene (PCE)	ug/L	20	19	93	74 - 129	M
1,1,1,2-Tetrachloroethane	ug/L	20	17	85	78 - 124	M
Chlorobenzene	ug/L	20	18	90	82 - 118	M
Ethylbenzene	ug/L	20	18	90	79 - 121	M
Bromoform	ug/L	20	16	81	66 - 130	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

QC Batch: MSVm/4949 Analysis Method: SW-846 8260D
Preparation Method: SW-846 5030B
Associated Lab IDs: M2306104001, M2306104002, M2306104003, M2306104004, M2306104005, M2306104006, M2306104007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Styrene	ug/L	20	18	92	78 - 123	M
1,1,2,2-Tetrachloroethane	ug/L	20	16	81	71 - 121	M
1,2,3-Trichloropropane	ug/L	20	19	96	73 - 122	M
Isopropylbenzene	ug/L	20	18	91	72 - 131	M
Bromobenzene	ug/L	20	20	98	80 - 120	M
n-propylbenzene	ug/L	20	20	101	76 - 126	M
2-Chlorotoluene	ug/L	20	18	88	79 - 122	M
4-Chlorotoluene	ug/L	20	20	98	78 - 122	M
1,3,5-Trimethylbenzene	ug/L	20	18	89	75 - 124	M
tert-butylbenzene	ug/L	20	19	94	78 - 124	M
1,2,4-Trimethylbenzene	ug/L	20	18	92	76 - 124	M
sec-butylbenzene	ug/L	20	19	97	77 - 126	M
1,3-Dichlorobenzene	ug/L	20	19	97	80 - 119	M
1,4-Dichlorobenzene	ug/L	20	21	105	79 - 118	M
1,2-Dichlorobenzene	ug/L	20	18	89	80 - 119	M
n-Butylbenzene	ug/L	20	23	115	75 - 128	M
1,2-Dibromo-3-Chloropropane	ug/L	20	18	88	62 - 128	M
1,2,4-Trichlorobenzene	ug/L	20	21	103	69 - 130	M
Naphthalene	ug/L	20	23	116	61 - 128	M
Hexachlorobutadiene	ug/L	20	20	100	66 - 134	M
1,2,3-Trichlorobenzene	ug/L	20	20	99	69 - 129	M
Xylene (Total)	ug/L	60	52	87	79 - 121	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	109	70 - 128	M
Bromofluorobenzene (S)	ug/L	50	54	109	86 - 123	M
Toluene-d8 (S)	ug/L	50	51	103	77 - 119	M

QC Result Comments

Matrix Spike - 5034274 - 1,1,2-Trichloroethane

J4|Estimated Result





FINAL

Workorder: Crystal Cleaners (M2306104)

QC Results

QC Batch: MSVm/4951
Preparation Method: SW-846 5030B
Associated Lab IDs: M2306104008

Analysis Method: SW-846 8260D

Method Blank(5034309)

Parameter	Results	Units	PQL	MDL	Lab
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	M
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	M
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	M
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	M
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	M
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	M
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	M
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	M
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	M
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	M
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	M
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	M
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	M
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	M
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	M
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	M
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	M
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	M
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	M
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	M
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	M
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	M
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	M
2-Hexanone	0.78 U	ug/L	5.0	0.78	M
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	M
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	M
Acetone	2.0 U	ug/L	25	2.0	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	M
Benzene	0.18 U	ug/L	1.0	0.18	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	M





FINAL

Workorder: Crystal Cleaners (M2306104)

QC Batch: MSVm/4951
Preparation Method: SW-846 5030B
Associated Lab IDs: M2306104008

Analysis Method: SW-846 8260D

Parameter	Results	Units	PQL	MDL	Lab
Bromochloromethane	0.49 U	ug/L	1.0	0.49	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	M
Bromoform	0.73 U	ug/L	5.0	0.73	M
Bromomethane	0.64 U	ug/L	1.0	0.64	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	M
Chloroethane	0.64 U	ug/L	1.0	0.64	M
Chloroform	0.51 U	ug/L	1.0	0.51	M
Chloromethane	0.42 U	ug/L	1.0	0.42	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	M
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	M
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	M
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	M
Naphthalene	0.40 U	ug/L	5.0	0.40	M
Styrene	0.45 U	ug/L	1.0	0.45	M
Tetrachloroethylene (PCE)	0.48 U	ug/L	1.0	0.48	M
Toluene	0.49 U	ug/L	1.0	0.49	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

QC Batch: MSVm/4951
Preparation Method: SW-846 5030B
Associated Lab IDs: M2306104008

Analysis Method: SW-846 8260D

Parameter	Results	Units	PQL	MDL	Lab
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	110	70 - 128	M
Bromofluorobenzene (S)	ug/L	50	53	107	86 - 123	M
Toluene-d8 (S)	ug/L	50	50	100	77 - 119	M

Lab Control Sample (5034311); Lab Control Sample Duplicate (5034312); Parent Lab Sample (M2306104008)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,1,1,2-Tetrachloroethane	ug/L	20	20	101	78 - 124	22	108	7	20	M
1,1,1-Trichloroethane	ug/L	20	20	98	74 - 131	21	106	8	20	M
1,1,2,2-Tetrachloroethane	ug/L	20	16	81	71 - 121	18	88	8	20	M
1,1,2-Trichloroethane	ug/L	20	19	97	80 - 119	21	106	9	20	M
1,1-Dichloroethane	ug/L	20	20	100	77 - 125	22	108	8	20	M
1,1-Dichloroethylene	ug/L	20	20	98	71 - 131	22	109	11	20	M
1,1-Dichloropropene	ug/L	20	19	93	79 - 125	21	104	12	20	M
1,2,3-Trichlorobenzene	ug/L	20	22	108	69 - 129	22	111	2	20	M
1,2,3-Trichloropropane	ug/L	20	21	105	73 - 122	22	112	6	20	M
1,2,4-Trichlorobenzene	ug/L	20	20	102	69 - 130	21	105	2	20	M
1,2,4-Trimethylbenzene	ug/L	20	21	106	76 - 124	22	108	2	20	M
1,2-Dibromo-3-Chloropropa	ug/L	20	21	103	62 - 128	23	115	11	20	M
1,2-Dichlorobenzene	ug/L	20	21	105	80 - 119	22	108	3	20	M
1,2-Dichloroethane	ug/L	20	21	103	73 - 128	22	109	6	20	M
1,2-Dichloropropane	ug/L	20	20	98	78 - 122	21	106	7	20	M
1,3,5-Trimethylbenzene	ug/L	20	20	102	75 - 124	21	107	5	20	M
1,3-Dichlorobenzene	ug/L	20	22	111	80 - 119	22	108	2	20	M
1,3-Dichloropropane	ug/L	20	20	101	80 - 119	21	106	5	20	M
1,4-Dichlorobenzene	ug/L	20	22	112	79 - 118	23	114	2	20	M
2,2-Dichloropropane	ug/L	20	22	108	10 - 150	18	88	20	20	M
2-Butanone (MEK)	ug/L	20	18	92	56 - 143	21	106	15	20	M
2-Chloroethyl Vinyl Ether	ug/L	20	19	97	10 - 150	21	107	10	20	M
2-Chlorotoluene	ug/L	20	21	104	79 - 122	21	105	1	20	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

QC Batch: MSVm/4951
Preparation Method: SW-846 5030B
Associated Lab IDs: M2306104008

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Hexanone	ug/L	20	20	98	57 - 139	21	107	8	20	M
4-Chlorotoluene	ug/L	20	22	110	78 - 122	23	114	3	20	M
4-Methyl-2-pentanone (MIB)	ug/L	20	19	93	67 - 130	20	102	9	20	M
Acetone	ug/L	20	21	103	39 - 160	23	116	12	20	M
Acrolein (Propenal)	ug/L	100	85	85	39 - 155	96	96	13	20	M
Acrylonitrile	ug/L	20	19	94	63 - 135	21	104	10	20	M
Benzene	ug/L	20	19	97	79 - 120	21	103	6	20	M
Bromobenzene	ug/L	20	23	113	80 - 120	23	114	1	20	M
Bromochloromethane	ug/L	20	20	100	78 - 123	21	107	6	20	M
Bromodichloromethane	ug/L	20	20	100	79 - 125	21	106	6	20	M
Bromoform	ug/L	20	20	98	66 - 130	20	98	0	20	M
Bromomethane	ug/L	20	24	118	10 - 150	22	108	9	20	M
Carbon Disulfide	ug/L	20	20	99	64 - 133	22	109	9	20	M
Carbon Tetrachloride	ug/L	20	22	108	72 - 136	21	105	3	20	M
Chlorobenzene	ug/L	20	21	103	82 - 118	22	108	6	20	M
Chloroethane	ug/L	20	24	120	60 - 138	23	115	4	20	M
Chloroform	ug/L	20	19	97	79 - 124	22	108	11	20	M
Chloromethane	ug/L	20	20	102	50 - 139	22	109	7	20	M
Dibromochloromethane	ug/L	20	21	104	74 - 126	22	108	4	20	M
Dibromomethane	ug/L	20	20	99	79 - 123	21	107	8	20	M
Dichlorodifluoromethane	ug/L	20	22	111	32 - 152	24	119	6	20	M
Ethylbenzene	ug/L	20	21	103	79 - 121	21	107	4	20	M
Ethylene Dibromide (EDB)	ug/L	20	20	100	77 - 121	22	109	8	20	M
Hexachlorobutadiene	ug/L	20	19	93	66 - 134	20	99	7	20	M
Iodomethane (Methyl Iodide)	ug/L	20	21	103	10 - 150	23	116	11	20	M
Isopropylbenzene	ug/L	20	21	103	72 - 131	22	109	6	20	M
Methyl tert-butyl Ether (MTBE)	ug/L	20	19	97	71 - 124	21	105	8	20	M
Methylene Chloride	ug/L	20	21	106	74 - 124	21	107	0	20	M
Naphthalene	ug/L	20	23	116	61 - 128	24	118	2	20	M
Styrene	ug/L	20	21	103	78 - 123	22	111	7	20	M
Tetrachloroethylene (PCE)	ug/L	20	20	102	74 - 129	20	102	0	20	M
Toluene	ug/L	20	20	101	80 - 121	21	107	6	20	M
Trichloroethene	ug/L	20	23	114	79 - 123	24	119	4	20	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

QC Batch: MSVm/4951
Preparation Method: SW-846 5030B
Associated Lab IDs: M2306104008

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Trichlorofluoromethane	ug/L	20	22	111	65 - 141	23	117	6	20	M
Vinyl Acetate	ug/L	20	17	83	10 - 150	20	99	17	20	M
Vinyl Chloride	ug/L	20	22	108	58 - 137	24	119	9	20	M
Xylene (Total)	ug/L	60	61	102	79 - 121	64	106	4	20	M
cis-1,2-Dichloroethylene	ug/L	20	19	97	78 - 123	22	108	11	20	M
cis-1,3-Dichloropropene	ug/L	20	19	94	75 - 124	20	98	5	20	M
n-Butylbenzene	ug/L	20	21	106	75 - 128	23	113	6	20	M
n-propylbenzene	ug/L	20	22	108	76 - 126	22	110	1	20	M
sec-butylbenzene	ug/L	20	21	105	77 - 126	21	106	1	20	M
tert-butylbenzene	ug/L	20	20	100	78 - 124	20	102	2	20	M
trans-1,2-Dichloroethylene	ug/L	20	19	96	75 - 124	21	104	8	20	M
trans-1,3-Dichloropropylene	ug/L	20	18	90	73 - 127	20	100	10	20	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	101	70 - 128	50	99	2		M
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	50	101	7		M
Toluene-d8 (S)	ug/L	50	52	105	77 - 119	52	104	1		M

Matrix Spike (5034313); Original (S2302953001); Parent Lab Sample (S2302953001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Benzene	ug/L	20	18	90	79 - 120	M
Ethylbenzene	ug/L	20	24	85	79 - 121	M
Methyl tert-butyl Ether (MTBE)	ug/L	20	17	83	71 - 124	M
Toluene	ug/L	20	25	89	80 - 121	M
Xylene (Total)	ug/L	60	88	84	79 - 121	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	101	70 - 128	M
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	M
Toluene-d8 (S)	ug/L	50	52	104	77 - 119	M

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FINAL

Workorder: Crystal Cleaners (M2306104)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
ICPm/3673 - SW-846 6010			
M2306104007	IDW WATER	DGMm/3932	SW-846 3010A
ICPm/3699 - SW-846 6010			
M2306104008	IDW SOIL	DGMm/3961	SW-846 3010A
MSVm/4949 - SW-846 8260D			
M2306104001	PZ-01	MSVm/4948	SW-846 5030B
M2306104002	PZ-02	MSVm/4948	SW-846 5030B
M2306104003	PZ-03	MSVm/4948	SW-846 5030B
M2306104004	MW-2	MSVm/4948	SW-846 5030B
M2306104005	MW-3	MSVm/4948	SW-846 5030B
M2306104006	DW-1	MSVm/4948	SW-846 5030B
M2306104007	IDW WATER	MSVm/4948	SW-846 5030B
MSVm/4951 - SW-846 8260D			
M2306104008	IDW SOIL	MSVm/4950	SW-846 5030B
WCAm/13902 - SM 2540G			
M2306104008	IDW SOIL		

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- ☐ **Fort Myers:** 13100 Westline Terrace, Ste. 10, FL 33613 - 235 514-8130 - Lab ID: E50402
- ☐ **Jacksonville:** 6681 Southpoint Pkwy., FL 32216 - 904 663-6350 - Lab ID: E52574
- ☐ **Tallahassee:** 2629 North Monroe St., Suite D, FL 32303 - 904 216-6274 - Lab ID: E61106



* M 2 3 0 6 1 0 4 *

Page _____ of _____

Client Name: APTIM		Project Name: Crystal Cleaners	
Address: 725 US Hwy 301 S		Project Number:	
Tampa, FL 33619		PO Number: p-card	
Phone: 813.612.3687		FDEP Facility No:	
FAX:		FDEP Facility Address:	
Contact: Gregg Roberts		Special Instructions: ERIC_5171	
Turn Around Time: ☒ STANDARD ☐ RUSH		ADAPT ☐ EQUIS ☐ Other	
ACI Profile: 74305		ANALYSIS REQUIRED	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT	Preservation	Post-Filtering	8260 Full	RCRA Metals	TCLP RCRA Metals	TCLP 8260 Full	LABORATORY I.D. NUMBER
			DATE	TIME									
PZ-01		6	11-1-23	0822	6W	3			✓				101
PZ-02		6	11-1-23	1000	6W	3			✓				102
PZ-03		6	11-1-23	0858	6W	3			✓				103
mw-2		6	11-1-23	1100	6W	3			✓				104
mw-3		6	11-1-23	0930	6W	3			✓				105
DW-1		6	11-1-23	1035	6W	3			✓				106
IDW		6	11-1-23	1150	6W	4							107
IDW		6	11-1-23	1140	50	2							108

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge		Preservation Code: I = ice H = (HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)	
Received on Ice ☒ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked		Temp. when received (observed) 3.8 °C Temp. when received (corrected) _____ °C	
DCN: AD-051 Form last revised 08/07/2019		Device used for measuring Temp by unique identifier (circle R temp gun used) J-9A G : LT-1 LT-2 I : 10A A : 3A M : 3B S : 1V F : 1A	

FOR DRINKING WATER USE:
 (When PWS information not otherwise supplied) PWS ID: _____
 Contact Person: _____ Phone: _____
 Supplier of Water: _____
 Site Address: _____



Advanced Environmental Laboratories, Inc
380 North Lake Blvd., Suite 1048 Altamonte Springs, FL
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (407) 937-1594
Fax: (407) 937-1597

FINAL

Workorder: Crystal Cleaners (A2313928)

December 20, 2023

Mr. Gregg Roberts
APTIM
725 US Hwy 301 South
Tampa, FL 33619

RE: Workorder: A2313928 Crystal Cleaners

Dear Mr. Gregg Roberts:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday December 15, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sue Bell, Sr Project Manager
SBell@aellab.com

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Phone: (407) 937-1594
Fax: (407) 937-1597

FINAL

Workorder: Crystal Cleaners (A2313928)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
A2313928001	DW-1	WA	SW-846 8260D	12/14/2023 12:29	12/15/2023 15:15	30	NA

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Phone: (407) 937-1594
Fax: (407) 937-1597

FINAL

Workorder: Crystal Cleaners (A2313928)

Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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FINAL

Workorder: Crystal Cleaners (A2313928)

Analytical Results

Lab ID: A2313928001
Sample ID: DW-1

Date Collected: 12/14/2023 12:29
Date Received: 12/15/2023 15:15

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260D)								
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	1	12/19/2023 21:35	12/20/2023 01:18	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	1	12/19/2023 21:35	12/20/2023 01:18	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	1	12/19/2023 21:35	12/20/2023 01:18	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	1	12/19/2023 21:35	12/20/2023 01:18	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	1	12/19/2023 21:35	12/20/2023 01:18	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	1	12/19/2023 21:35	12/20/2023 01:18	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	1	12/19/2023 21:35	12/20/2023 01:18	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	1	12/19/2023 21:35	12/20/2023 01:18	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	1	12/19/2023 21:35	12/20/2023 01:18	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	1	12/19/2023 21:35	12/20/2023 01:18	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	1	12/19/2023 21:35	12/20/2023 01:18	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	1	12/19/2023 21:35	12/20/2023 01:18	T
Bromoform	0.36 U	ug/L	1.0	0.36	1	12/19/2023 21:35	12/20/2023 01:18	T
Bromomethane	0.32 U	ug/L	1.0	0.32	1	12/19/2023 21:35	12/20/2023 01:18	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	1	12/19/2023 21:35	12/20/2023 01:18	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	1	12/19/2023 21:35	12/20/2023 01:18	T
Chloroethane	0.42 U	ug/L	1.0	0.42	1	12/19/2023 21:35	12/20/2023 01:18	T
Chloroform	0.37 U	ug/L	1.0	0.37	1	12/19/2023 21:35	12/20/2023 01:18	T
Chloromethane	0.39 U	ug/L	1.0	0.39	1	12/19/2023 21:35	12/20/2023 01:18	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	1	12/19/2023 21:35	12/20/2023 01:18	T
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	1	12/19/2023 21:35	12/20/2023 01:18	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	1	12/19/2023 21:35	12/20/2023 01:18	T
Tetrachloroethylene (PCE)	1.8	ug/L	1.0	0.45	1	12/19/2023 21:35	12/20/2023 01:18	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	1	12/19/2023 21:35	12/20/2023 01:18	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	1	12/19/2023 21:35	12/20/2023 01:18	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	1	12/19/2023 21:35	12/20/2023 01:18	T

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FINAL

Workorder: Crystal Cleaners (A2313928)

Analytical Results

Lab ID: A2313928001	Date Collected: 12/14/2023 12:29					Matrix: Water		
Sample ID: DW-1	Date Received: 12/15/2023 15:15							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	12/19/2023 21:35	12/20/2023 01:18	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	1	12/19/2023 21:35	12/20/2023 01:18	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	1	12/19/2023 21:35	12/20/2023 01:18	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	1	12/19/2023 21:35	12/20/2023 01:18	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	45	90	70 - 128	T
Toluene-d8 (S)	ug/L	50	48	95	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	51	102	86 - 123	T

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FINAL

Workorder: Crystal Cleaners (A2313928)

QC Results

QC Batch: MSVt/8206
Preparation Method: SW-846 5030B
Associated Lab IDs: A2313928001

Analysis Method: SW-846 8260D

Method Blank(5095569)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.53 U	ug/L	1.0	0.53	T
Chloromethane	0.39 U	ug/L	1.0	0.39	T
Vinyl Chloride	0.44 U	ug/L	1.0	0.44	T
Bromomethane	0.32 U	ug/L	1.0	0.32	T
Chloroethane	0.42 U	ug/L	1.0	0.42	T
Trichlorofluoromethane	0.26 U	ug/L	1.0	0.26	T
1,1-Dichloroethylene	0.41 U	ug/L	1.0	0.41	T
Methylene Chloride	0.56 U	ug/L	1.0	0.56	T
trans-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
1,1-Dichloroethane	0.38 U	ug/L	1.0	0.38	T
cis-1,2-Dichloroethylene	0.39 U	ug/L	1.0	0.39	T
Chloroform	0.37 U	ug/L	1.0	0.37	T
1,2-Dichloroethane	0.40 U	ug/L	1.0	0.40	T
1,1,1-Trichloroethane	0.39 U	ug/L	1.0	0.39	T
Carbon Tetrachloride	0.41 U	ug/L	1.0	0.41	T
1,2-Dichloropropane	0.18 U	ug/L	1.0	0.18	T
Trichloroethene	0.32 U	ug/L	1.0	0.32	T
Bromodichloromethane	0.39 U	ug/L	1.0	0.39	T
2-Chloroethyl Vinyl Ether	0.79 U	ug/L	1.0	0.79	T
cis-1,3-Dichloropropene	0.26 U	ug/L	1.0	0.26	T
trans-1,3-Dichloropropylene	0.26 U	ug/L	1.0	0.26	T
1,1,2-Trichloroethane	0.40 U	ug/L	1.0	0.40	T
Dibromochloromethane	0.36 U	ug/L	1.0	0.36	T
Tetrachloroethylene (PCE)	0.45 U	ug/L	1.0	0.45	T
Chlorobenzene	0.38 U	ug/L	1.0	0.38	T
Bromoform	0.36 U	ug/L	1.0	0.36	T
1,1,2,2-Tetrachloroethane	0.20 U	ug/L	1.0	0.20	T
1,3-Dichlorobenzene	0.40 U	ug/L	1.0	0.40	T
1,4-Dichlorobenzene	0.36 U	ug/L	1.0	0.36	T
1,2-Dichlorobenzene	0.44 U	ug/L	1.0	0.44	T

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FINAL

Workorder: Crystal Cleaners (A2313928)

QC Batch: MSVt/8206
Preparation Method: SW-846 5030B
Associated Lab IDs: A2313928001

Analysis Method: SW-846 8260D

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	44	89	70 - 128	T
Bromofluorobenzene (S)	ug/L	50	49	98	86 - 123	T
Toluene-d8 (S)	ug/L	50	47	95	77 - 119	T

Lab Control Sample (5095570); Lab Control Sample Duplicate (5095571); Parent Lab Sample (A2313928001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	22	111	32 - 152	20	99	12	20	T
Chloromethane	ug/L	20	21	105	50 - 139	19	95	11	20	T
Vinyl Chloride	ug/L	20	20	101	58 - 137	18	89	12	20	T
Bromomethane	ug/L	20	19	94	10 - 150	19	96	3	20	T
Chloroethane	ug/L	20	20	100	60 - 138	18	91	10	20	T
Trichlorofluoromethane	ug/L	20	23	114	65 - 141	23	113	1	20	T
1,1-Dichloroethylene	ug/L	20	23	114	71 - 131	22	109	4	20	T
Methylene Chloride	ug/L	20	21	105	74 - 124	19	95	10	20	T
trans-1,2-Dichloroethylene	ug/L	20	21	105	75 - 124	21	106	2	20	T
1,1-Dichloroethane	ug/L	20	23	114	77 - 125	21	104	10	20	T
cis-1,2-Dichloroethylene	ug/L	20	22	109	78 - 123	20	99	10	20	T
Chloroform	ug/L	20	22	108	79 - 124	21	104	4	20	T
1,2-Dichloroethane	ug/L	20	22	111	73 - 128	20	100	10	20	T
1,1,1-Trichloroethane	ug/L	20	22	108	74 - 131	22	110	2	20	T
Carbon Tetrachloride	ug/L	20	22	110	72 - 136	22	112	2	20	T
1,2-Dichloropropane	ug/L	20	22	111	78 - 122	20	100	10	20	T
Trichloroethene	ug/L	20	21	105	79 - 123	22	108	3	20	T
Bromodichloromethane	ug/L	20	22	111	79 - 125	20	100	10	20	T
2-Chloroethyl Vinyl Ether	ug/L	20	19	97	10 - 150	22	110	12	20	T
cis-1,3-Dichloropropene	ug/L	20	21	106	75 - 124	19	97	9	20	T
trans-1,3-Dichloropropylene	ug/L	20	20	100	73 - 127	19	94	6	20	T
1,1,2-Trichloroethane	ug/L	20	22	111	80 - 119	20	99	11	20	T
Dibromochloromethane	ug/L	20	21	105	74 - 126	21	107	2	20	T
Tetrachloroethylene (PCE)	ug/L	20	20	102	74 - 129	21	106	4	20	T
Chlorobenzene	ug/L	20	20	101	82 - 118	21	103	2	20	T
Bromoform	ug/L	20	20	100	66 - 130	20	100	0	20	T
1,1,2,2-Tetrachloroethane	ug/L	20	18	88	71 - 121	16	81	7	20	T

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FINAL

Workorder: Crystal Cleaners (A2313928)

QC Batch: MSVt/8206
Preparation Method: SW-846 5030B
Associated Lab IDs: A2313928001

Analysis Method: SW-846 8260D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,3-Dichlorobenzene	ug/L	20	21	105	80 - 119	22	108	3	20	T
1,4-Dichlorobenzene	ug/L	20	21	103	79 - 118	21	107	4	20	T
1,2-Dichlorobenzene	ug/L	20	20	101	80 - 119	22	110	8	20	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	58	116	70 - 128	49	98	17		T
Bromofluorobenzene (S)	ug/L	50	60	119	86 - 123	51	102	16		T
Toluene-d8 (S)	ug/L	50	55	111	77 - 119	53	105	5		T

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FINAL

Workorder: Crystal Cleaners (A2313928)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVt/8206 - SW-846 8260D			
A2313928001	DW-1	MSVt/8205	SW-846 5030B

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☐ **Miramar:** 10200 USA Today Way, FL 33005 • 954.889.2208 • Lab ID: EG2535

☐ **Tampa:** 9910 Princess Palm Ave., FL 33619 • 813.632.9916 • Lab ID: EG4589

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The results set forth herein are provided by SGS North America Inc.

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Technical Report for

APTIM

(Air)Crystal Cleaners

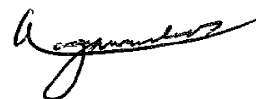
SGS Job Number: TD87378

Sampling Date: 12/14/23

Report to:

APTIM
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787
electa.brown@sgs.com; Eric.Kramer@aptim.com;
kurtis.mcdonald@aptim.com; Gregg.roberts@aptim.com
ATTN: Eric Kramer

Total number of pages in report: 37

Kesavalu Bagawandoss
Tech. Director North America

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Client Service contact: Electa Brown 713-271-4700
Certifications: TX (T104704220-22-46) AR (21-045-0) AZ (AZ0769) FL (E87628)
KS (E-10366) LA (85695/04004) NJ (TX010) OK (2021-158) VA (11647)

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Test results relate only to samples analyzed.

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Sample Summary

APTIM

(Air)Crystal Cleaners

Job No: TD87378

Sample Number	Collected		Matrix Code	Type	Client Sample ID
	Date	Time By			
TD87378-1	12/14/23	13:22 KM	12/15/23	AIR Air	MAG-4
TD87378-2	12/14/23	14:00 KM	12/15/23	AIR Air	MAG-8
TD87378-3	12/14/23	14:32 KM	12/15/23	AIR Air	MAG-7

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: APTIM

Job No: TD87378

Site: (Air)Crystal Cleaners

Report Date 12/27/2023 2:15:59 P

3 Samples were collected on 12/14/2023 and received intact at SGS North America Inc (SGS) on 12/15/2023 and properly preserved in 1 cooler at 24.4 Deg C. The samples received an SGS job number of TD87378. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR

Batch ID: V1A2220

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample TD87363-1DUP was used as the QC samples indicated.
- Samples TD87378-1, TD87378-2, TD87378-3 have compounds reported with “D” qualifiers indicating results from the diluted analysis.
- RPD(s) for Duplicate for Carbon disulfide, Chlorobenzene, Dichlorodifluoromethane are outside control limits for sample TD87363-1DUP. High RPD due to sample level below Reporting Limits.
- TD87378-2 for 4-Ethyltoluene: Not Florida NELAP certified.
- TD87378-1 for n-Butylbenzene: Not Florida NELAP certified.
- TD87378-1 for n-Propylbenzene: Not Florida NELAP certified.
- TD87378-1 for Pentane: Not Florida NELAP certified.
- TD87378-1 for Propene: Not Florida NELAP certified.
- TD87378-1 for sec-Butylbenzene: Not Florida NELAP certified.
- TD87378-1 for t-Butyl Alcohol: Not Florida NELAP certified.
- TD87378-1 for tert Amyl Methyl Ether: Not Florida NELAP certified.
- TD87378-1 for Tetrahydrofuran: Not Florida NELAP certified.
- TD87378-1 for 1,1-Dibromoethane: Not NELAC certified.
- TD87378-1 for Naphthalene: Not Florida NELAP certified.
- TD87378-2 for 2-Hexanone: Not Florida NELAP certified.
- TD87378-1 for Ethyl tert-Butyl Ether: Not Florida NELAP certified.
- TD87378-2 for Acetone: Not Florida NELAP certified.
- TD87378-2 for Acrolein: Not Florida NELAP certified.
- TD87378-2 for Acrylonitrile: Not Florida NELAP certified.
- TD87378-2 for Allyl chloride: Not Florida NELAP certified.
- TD87378-2 for Bromodichloromethane: Not Florida NELAP certified.
- TD87378-2 for Carbon disulfide: Not Florida NELAP certified.
- TD87378-2 for Carbon tetrachloride: Not Florida NELAP certified.
- TD87378-1 for p-Isopropyltoluene: Not NELAC certified.
- TD87378-1 for Carbon disulfide: Not Florida NELAP certified.
- TD87378-1 for Isopropanol: Not Florida NELAP certified.
- TD87378-2 for Isopropanol: Not Florida NELAP certified.

Wednesday, December 27, 2023

Page 1 of 3

MS Volatiles By Method TO-15

Matrix: AIR

Batch ID: V1A2220

- TD87378-3 for Isopropanol: Not Florida NELAP certified.
- TD87378-1 for 2-Hexanone: Not Florida NELAP certified.
- TD87378-1 for 4-Ethyltoluene: Not Florida NELAP certified.
- TD87378-1 for Acetone: Not Florida NELAP certified.
- TD87378-1 for Acrolein: Not Florida NELAP certified.
- TD87378-1 for Acrylonitrile: Not Florida NELAP certified.
- TD87378-1 for Isopropylbenzene: Not Florida NELAP certified.
- TD87378-1 for Bromodichloromethane: Not Florida NELAP certified.
- TD87378-1 for Methyl methacrylate: Not Florida NELAP certified.
- TD87378-1 for Carbon tetrachloride: Not Florida NELAP certified.
- TD87378-1 for Cyclohexane: Not Florida NELAP certified.
- TD87378-1 for Dibromochloromethane: Not Florida NELAP certified.
- TD87378-1 for Di-Isopropyl ether: Not Florida NELAP certified.
- TD87378-1 for Ethanol: Not Florida NELAP certified.
- TD87378-1 for Ethyl Acetate: Not Florida NELAP certified.
- TD87378-2 for Di-Isopropyl ether: Not Florida NELAP certified.
- TD87378-1 for Hexane: Not Florida NELAP certified.
- TD87378-1 for Allyl chloride: Not Florida NELAP certified.
- TD87378-3 for Methyl methacrylate: Not Florida NELAP certified.
- TD87378-2 for Cyclohexane: Not Florida NELAP certified.
- TD87378-3 for Carbon disulfide: Not Florida NELAP certified.
- TD87378-3 for Carbon tetrachloride: Not Florida NELAP certified.
- TD87378-3 for Cyclohexane: Not Florida NELAP certified.
- TD87378-3 for Dibromochloromethane: Not Florida NELAP certified.
- TD87378-3 for Di-Isopropyl ether: Not Florida NELAP certified.
- TD87378-3 for Ethanol: Not Florida NELAP certified.
- TD87378-3 for Ethyl Acetate: Not Florida NELAP certified.
- TD87378-3 for Ethyl tert-Butyl Ether: Not Florida NELAP certified.
- TD87378-3 for Allyl chloride: Not Florida NELAP certified.
- TD87378-3 for Isopropylbenzene: Not Florida NELAP certified.
- TD87378-3 for Acrylonitrile: Not Florida NELAP certified.
- TD87378-3 for Naphthalene: Not Florida NELAP certified.
- TD87378-3 for n-Butylbenzene: Not Florida NELAP certified.
- TD87378-3 for n-Propylbenzene: Not Florida NELAP certified.
- TD87378-3 for Pentane: Not Florida NELAP certified.
- TD87378-3 for Propene: Not Florida NELAP certified.
- TD87378-3 for sec-Butylbenzene: Not Florida NELAP certified.
- TD87378-3 for t-Butyl Alcohol: Not Florida NELAP certified.
- TD87378-3 for tert Amyl Methyl Ether: Not Florida NELAP certified.
- TD87378-3 for Tetrahydrofuran: Not Florida NELAP certified.
- TD87378-3 for 1,1-Dibromoethane: Not NELAC certified.

Wednesday, December 27, 2023

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MS Volatiles By Method TO-15

Matrix: AIR

Batch ID: V1A2220

- TD87378-3 for Hexane: Not Florida NELAP certified.
- TD87378-2 for Propene: Not Florida NELAP certified.
- TD87378-3 for p-Isopropyltoluene: Not NELAC certified.
- TD87378-2 for Ethanol: Not Florida NELAP certified.
- TD87378-2 for Ethyl Acetate: Not Florida NELAP certified.
- TD87378-2 for Ethyl tert-Butyl Ether: Not Florida NELAP certified.
- TD87378-2 for Hexane: Not Florida NELAP certified.
- TD87378-2 for Isopropylbenzene: Not Florida NELAP certified.
- TD87378-2 for Methyl methacrylate: Not Florida NELAP certified.
- TD87378-2 for Naphthalene: Not Florida NELAP certified.
- TD87378-2 for n-Butylbenzene: Not Florida NELAP certified.
- TD87378-3 for Bromodichloromethane: Not Florida NELAP certified.
- TD87378-2 for Pentane: Not Florida NELAP certified.
- TD87378-2 for Dibromochloromethane: Not Florida NELAP certified.
- TD87378-2 for sec-Butylbenzene: Not Florida NELAP certified.
- TD87378-2 for t-Butyl Alcohol: Not Florida NELAP certified.
- TD87378-2 for tert Amyl Methyl Ether: Not Florida NELAP certified.
- TD87378-2 for Tetrahydrofuran: Not Florida NELAP certified.
- TD87378-2 for 1,1-Dibromoethane: Not NELAC certified.
- TD87378-2 for p-Isopropyltoluene: Not NELAC certified.
- TD87378-3 for 2-Hexanone: Not Florida NELAP certified.
- TD87378-3 for 4-Ethyltoluene: Not Florida NELAP certified.
- TD87378-3 for Acetone: Not Florida NELAP certified.
- TD87378-3 for Acrolein: Not Florida NELAP certified.
- TD87378-2 for n-Propylbenzene: Not Florida NELAP certified.

SGS certifies that this report meets the project requirements for analytical data produced for the samples as received at SGS and as stated on the COC. SGS certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SGS Quality Manual except as noted above. This report is to be used in its entirety. SGS is not responsible for any assumptions of data quality if partial data packages are used.

Summary of Hits

Job Number: TD87378
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 12/14/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
TD87378-1	MAG-4					
Acetone ^a		14.1	1.6	0.023	ppbv	TO-15
Acrolein ^a		0.42 I	0.80	0.039	ppbv	TO-15
Benzene		0.20 I	0.80	0.013	ppbv	TO-15
2-Butanone		5.2	0.80	0.019	ppbv	TO-15
n-Butylbenzene ^a		0.063 I	0.80	0.0094	ppbv	TO-15
Carbon disulfide ^a		1.5	0.80	0.0098	ppbv	TO-15
Carbon tetrachloride ^a		0.051 I	0.80	0.016	ppbv	TO-15
Chlorobenzene		0.016 I	0.80	0.014	ppbv	TO-15
Chloroform		0.33 I	0.80	0.014	ppbv	TO-15
Chloromethane		0.29 I	0.80	0.022	ppbv	TO-15
Cyclohexane ^a		0.26 I	0.80	0.015	ppbv	TO-15
1,2-Dichloroethane		0.050 I	0.80	0.013	ppbv	TO-15
1,2-Dichloropropane		0.020 I	0.80	0.013	ppbv	TO-15
1,4-Dioxane		0.026 I	0.80	0.011	ppbv	TO-15
Dichlorodifluoromethane		0.48 I	0.80	0.018	ppbv	TO-15
trans-1,2-Dichloroethene		0.041 I	0.80	0.016	ppbv	TO-15
1,3-Dichlorobenzene		0.076 I	0.80	0.012	ppbv	TO-15
1,4-Dichlorobenzene		0.025 I	0.80	0.014	ppbv	TO-15
Ethanol ^a		17.7	1.6	0.056	ppbv	TO-15
Ethylbenzene		0.36 I	0.80	0.013	ppbv	TO-15
Ethyl Acetate ^a		0.41 I	0.80	0.031	ppbv	TO-15
4-Ethyltoluene ^a		0.24 I	1.6	0.023	ppbv	TO-15
Heptane		0.61 I	0.80	0.012	ppbv	TO-15
Hexane ^a		9.7	0.80	0.014	ppbv	TO-15
2-Hexanone ^a		0.072 I	0.80	0.020	ppbv	TO-15
Isopropylbenzene ^a		0.043 I	0.80	0.015	ppbv	TO-15
Isopropanol ^a		48.0	10	0.14	ppbv	TO-15
p-Isopropyltoluene ^b		0.081 I	0.80	0.011	ppbv	TO-15
Methylene chloride		51.6	5.0	0.14	ppbv	TO-15
4-Methyl-2-pentanone		0.070 I	0.80	0.013	ppbv	TO-15
Methyl methacrylate ^a		0.020 I	0.80	0.0098	ppbv	TO-15
Naphthalene ^a		0.079 I	0.80	0.022	ppbv	TO-15
Pentane ^a		0.66 I	0.80	0.018	ppbv	TO-15
n-Propylbenzene ^a		0.15 I	0.80	0.013	ppbv	TO-15
Propene ^a		0.27 I	0.80	0.13	ppbv	TO-15
Styrene		0.18 I	0.80	0.011	ppbv	TO-15
1,1,1-Trichloroethane		0.047 I	0.80	0.017	ppbv	TO-15
1,2,4-Trichlorobenzene		0.018 I	0.80	0.015	ppbv	TO-15
1,1,2-Trichlorotrifluoroethane		0.090 I	0.80	0.021	ppbv	TO-15
1,2,4-Trimethylbenzene		0.86	0.80	0.0083	ppbv	TO-15
1,3,5-Trimethylbenzene		0.21 I	0.80	0.010	ppbv	TO-15
2,2,4-Trimethylpentane		0.075 I	0.80	0.011	ppbv	TO-15
t-Butyl Alcohol ^a		0.41 I	1.6	0.011	ppbv	TO-15

Summary of Hits

Job Number: TD87378
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 12/14/23

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Tetrachloroethene		82.3	5.0	0.14	ppbv	TO-15
Tetrahydrofuran ^a		4.8	0.80	0.023	ppbv	TO-15
Toluene		13.1	0.80	0.014	ppbv	TO-15
Trichloroethene		0.24 I	0.80	0.020	ppbv	TO-15
Trichlorofluoromethane		0.21 I	0.80	0.017	ppbv	TO-15
Vinyl chloride		0.062 I	0.80	0.019	ppbv	TO-15
m,p-Xylene		1.3	0.80	0.018	ppbv	TO-15
o-Xylene		0.51 I	0.80	0.0086	ppbv	TO-15
Xylenes, Total		1.8	0.80	0.018	ppbv	TO-15
Acetone ^a		33.5	3.8	0.055	ug/m3	TO-15
Acrolein ^a		0.96 I	1.8	0.089	ug/m3	TO-15
Benzene		0.64 I	2.6	0.042	ug/m3	TO-15
2-Butanone		15	2.4	0.056	ug/m3	TO-15
n-Butylbenzene ^a		0.35 I	4.4	0.052	ug/m3	TO-15
Carbon disulfide ^a		4.7	2.5	0.031	ug/m3	TO-15
Carbon tetrachloride ^a		0.32 I	5.0	0.10	ug/m3	TO-15
Chlorobenzene		0.074 I	3.7	0.064	ug/m3	TO-15
Chloroform		1.6 I	3.9	0.068	ug/m3	TO-15
Chloromethane		0.60 I	1.7	0.045	ug/m3	TO-15
Cyclohexane ^a		0.89 I	2.8	0.052	ug/m3	TO-15
1,2-Dichloroethane		0.20 I	3.2	0.053	ug/m3	TO-15
1,2-Dichloropropane		0.092 I	3.7	0.060	ug/m3	TO-15
1,4-Dioxane		0.094 I	2.9	0.040	ug/m3	TO-15
Dichlorodifluoromethane		2.4 I	4.0	0.089	ug/m3	TO-15
trans-1,2-Dichloroethene		0.16 I	3.2	0.063	ug/m3	TO-15
1,3-Dichlorobenzene		0.46 I	4.8	0.072	ug/m3	TO-15
1,4-Dichlorobenzene		0.15 I	4.8	0.084	ug/m3	TO-15
Ethanol ^a		33.3	3.0	0.11	ug/m3	TO-15
Ethylbenzene		1.6 I	3.5	0.056	ug/m3	TO-15
Ethyl Acetate ^a		1.5 I	2.9	0.11	ug/m3	TO-15
4-Ethyltoluene ^a		1.2 I	7.9	0.11	ug/m3	TO-15
Heptane		2.5 I	3.3	0.049	ug/m3	TO-15
Hexane ^a		34	2.8	0.049	ug/m3	TO-15
2-Hexanone ^a		0.29 I	3.3	0.082	ug/m3	TO-15
Isopropylbenzene ^a		0.21 I	3.9	0.074	ug/m3	TO-15
Isopropanol ^a		118	25	0.34	ug/m3	TO-15
p-Isopropyltoluene ^b		0.44 I	4.4	0.060	ug/m3	TO-15
Methylene chloride		179	17	0.49	ug/m3	TO-15
4-Methyl-2-pentanone		0.29 I	3.3	0.053	ug/m3	TO-15
Methyl methacrylate ^a		0.082 I	3.3	0.040	ug/m3	TO-15
Naphthalene ^a		0.41 I	4.2	0.12	ug/m3	TO-15
Pentane ^a		1.9 I	2.4	0.053	ug/m3	TO-15
n-Propylbenzene ^a		0.74 I	3.9	0.064	ug/m3	TO-15
Propene ^a		0.46 I	1.4	0.22	ug/m3	TO-15
Styrene		0.77 I	3.4	0.047	ug/m3	TO-15

Summary of Hits

Job Number: TD87378
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 12/14/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
1,1,1-Trichloroethane		0.26 I	4.4	0.093	ug/m3	TO-15
1,2,4-Trichlorobenzene		0.13 I	5.9	0.11	ug/m3	TO-15
1,1,2-Trichlorotrifluoroethane		0.69 I	6.1	0.16	ug/m3	TO-15
1,2,4-Trimethylbenzene		4.2	3.9	0.041	ug/m3	TO-15
1,3,5-Trimethylbenzene		1.0 I	3.9	0.049	ug/m3	TO-15
2,2,4-Trimethylpentane		0.35 I	3.7	0.051	ug/m3	TO-15
t-Butyl Alcohol ^a		1.2 I	4.9	0.033	ug/m3	TO-15
Tetrachloroethene		558	34	0.95	ug/m3	TO-15
Tetrahydrofuran ^a		14	2.4	0.068	ug/m3	TO-15
Toluene		49.4	3.0	0.053	ug/m3	TO-15
Trichloroethene		1.3 I	4.3	0.11	ug/m3	TO-15
Trichlorofluoromethane		1.2 I	4.5	0.096	ug/m3	TO-15
Vinyl chloride		0.16 I	2.0	0.049	ug/m3	TO-15
m,p-Xylene		5.6	3.5	0.078	ug/m3	TO-15
o-Xylene		2.2 I	3.5	0.037	ug/m3	TO-15
Xylenes, Total		7.8	3.5	0.078	ug/m3	TO-15

TD87378-2 MAG-8

Acetone ^a	13.7	1.6	0.023	ppbv	TO-15
Acrolein ^a	0.53 I	0.80	0.039	ppbv	TO-15
Acrylonitrile ^a	0.028 I	0.80	0.025	ppbv	TO-15
Benzene	0.21 I	0.80	0.013	ppbv	TO-15
Bromomethane	0.032 I	0.80	0.015	ppbv	TO-15
2-Butanone	11.9	0.80	0.019	ppbv	TO-15
n-Butylbenzene ^a	0.073 I	0.80	0.0094	ppbv	TO-15
sec-Butylbenzene ^a	0.022 I	0.80	0.017	ppbv	TO-15
Carbon disulfide ^a	1.5	0.80	0.0098	ppbv	TO-15
Carbon tetrachloride ^a	0.051 I	0.80	0.016	ppbv	TO-15
Chlorobenzene	0.016 I	0.80	0.014	ppbv	TO-15
Chloroform	0.30 I	0.80	0.014	ppbv	TO-15
Chloromethane	0.30 I	0.80	0.022	ppbv	TO-15
Cyclohexane ^a	0.28 I	0.80	0.015	ppbv	TO-15
1,2-Dibromoethane	0.014 I	0.80	0.013	ppbv	TO-15
1,2-Dichloroethane	0.097 I	0.80	0.013	ppbv	TO-15
1,2-Dichloropropane	0.018 I	0.80	0.013	ppbv	TO-15
1,4-Dioxane	0.029 I	0.80	0.011	ppbv	TO-15
Dichlorodifluoromethane	0.57 I	0.80	0.018	ppbv	TO-15
trans-1,2-Dichloroethene	0.046 I	0.80	0.016	ppbv	TO-15
1,3-Dichlorobenzene	0.57 I	0.80	0.012	ppbv	TO-15
1,4-Dichlorobenzene	0.033 I	0.80	0.014	ppbv	TO-15
1,2-Dichlorotetrafluoroethane	0.018 I	0.80	0.016	ppbv	TO-15
Ethanol ^a	15.8	1.6	0.056	ppbv	TO-15
Ethylbenzene	0.38 I	0.80	0.013	ppbv	TO-15
Ethyl Acetate ^a	0.43 I	0.80	0.031	ppbv	TO-15

Summary of Hits

Job Number: TD87378
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 12/14/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
4-Ethyltoluene ^a		0.26 I	1.6	0.023	ppbv	TO-15
Heptane		0.62 I	0.80	0.012	ppbv	TO-15
Hexachloro-1,3-butadiene		0.013 I	0.80	0.011	ppbv	TO-15
Hexane ^a		10.5	0.80	0.014	ppbv	TO-15
2-Hexanone ^a		0.086 I	0.80	0.020	ppbv	TO-15
Isopropylbenzene ^a		0.048 I	0.80	0.015	ppbv	TO-15
Isopropanol ^a		50.2	10	0.14	ppbv	TO-15
p-Isopropyltoluene ^b		0.093 I	0.80	0.011	ppbv	TO-15
Methylene chloride		56.8	5.0	0.14	ppbv	TO-15
4-Methyl-2-pentanone		0.073 I	0.80	0.013	ppbv	TO-15
Naphthalene ^a		0.095 I	0.80	0.022	ppbv	TO-15
Pentane ^a		0.67 I	0.80	0.018	ppbv	TO-15
n-Propylbenzene ^a		0.16 I	0.80	0.013	ppbv	TO-15
Propene ^a		0.56 I	0.80	0.13	ppbv	TO-15
Styrene		0.19 I	0.80	0.011	ppbv	TO-15
1,1,1-Trichloroethane		0.045 I	0.80	0.017	ppbv	TO-15
1,2,4-Trichlorobenzene		0.027 I	0.80	0.015	ppbv	TO-15
1,1,2-Trichlorotrifluoroethane		0.10 I	0.80	0.021	ppbv	TO-15
1,2,4-Trimethylbenzene		0.92	0.80	0.0083	ppbv	TO-15
1,3,5-Trimethylbenzene		0.23 I	0.80	0.010	ppbv	TO-15
2,2,4-Trimethylpentane		0.091 I	0.80	0.011	ppbv	TO-15
t-Butyl Alcohol ^a		0.64 I	1.6	0.011	ppbv	TO-15
Tetrachloroethene		106	5.0	0.14	ppbv	TO-15
Tetrahydrofuran ^a		5.7	0.80	0.023	ppbv	TO-15
Toluene		14.0	0.80	0.014	ppbv	TO-15
Trichloroethene		0.23 I	0.80	0.020	ppbv	TO-15
Trichlorofluoromethane		0.25 I	0.80	0.017	ppbv	TO-15
Vinyl chloride		0.10 I	0.80	0.019	ppbv	TO-15
m,p-Xylene		1.2	0.80	0.018	ppbv	TO-15
o-Xylene		0.53 I	0.80	0.0086	ppbv	TO-15
Xylenes, Total		1.8	0.80	0.018	ppbv	TO-15
Acetone ^a		32.5	3.8	0.055	ug/m3	TO-15
Acrolein ^a		1.2 I	1.8	0.089	ug/m3	TO-15
Acrylonitrile ^a		0.061 I	1.7	0.054	ug/m3	TO-15
Benzene		0.67 I	2.6	0.042	ug/m3	TO-15
Bromomethane		0.12 I	3.1	0.058	ug/m3	TO-15
2-Butanone		35.1	2.4	0.056	ug/m3	TO-15
n-Butylbenzene ^a		0.40 I	4.4	0.052	ug/m3	TO-15
sec-Butylbenzene ^a		0.12 I	4.4	0.093	ug/m3	TO-15
Carbon disulfide ^a		4.7	2.5	0.031	ug/m3	TO-15
Carbon tetrachloride ^a		0.32 I	5.0	0.10	ug/m3	TO-15
Chlorobenzene		0.074 I	3.7	0.064	ug/m3	TO-15
Chloroform		1.5 I	3.9	0.068	ug/m3	TO-15
Chloromethane		0.62 I	1.7	0.045	ug/m3	TO-15
Cyclohexane ^a		0.96 I	2.8	0.052	ug/m3	TO-15

Summary of Hits

Job Number: TD87378
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 12/14/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
1,2-Dibromoethane		0.11 I	6.1	0.10	ug/m3	TO-15
1,2-Dichloroethane		0.39 I	3.2	0.053	ug/m3	TO-15
1,2-Dichloropropane		0.083 I	3.7	0.060	ug/m3	TO-15
1,4-Dioxane		0.10 I	2.9	0.040	ug/m3	TO-15
Dichlorodifluoromethane		2.8 I	4.0	0.089	ug/m3	TO-15
trans-1,2-Dichloroethene		0.18 I	3.2	0.063	ug/m3	TO-15
1,3-Dichlorobenzene		3.4 I	4.8	0.072	ug/m3	TO-15
1,4-Dichlorobenzene		0.20 I	4.8	0.084	ug/m3	TO-15
1,2-Dichlorotetrafluoroethane		0.13 I	5.6	0.11	ug/m3	TO-15
Ethanol ^a		29.7	3.0	0.11	ug/m3	TO-15
Ethylbenzene		1.7 I	3.5	0.056	ug/m3	TO-15
Ethyl Acetate ^a		1.5 I	2.9	0.11	ug/m3	TO-15
4-Ethyltoluene ^a		1.3 I	7.9	0.11	ug/m3	TO-15
Heptane		2.5 I	3.3	0.049	ug/m3	TO-15
Hexachloro-1,3-butadiene		0.14 I	8.5	0.12	ug/m3	TO-15
Hexane ^a		37.0	2.8	0.049	ug/m3	TO-15
2-Hexanone ^a		0.35 I	3.3	0.082	ug/m3	TO-15
Isopropylbenzene ^a		0.24 I	3.9	0.074	ug/m3	TO-15
Isopropanol ^a		123	25	0.34	ug/m3	TO-15
p-Isopropyltoluene ^b		0.51 I	4.4	0.060	ug/m3	TO-15
Methylene chloride		197	17	0.49	ug/m3	TO-15
4-Methyl-2-pentanone		0.30 I	3.3	0.053	ug/m3	TO-15
Naphthalene ^a		0.50 I	4.2	0.12	ug/m3	TO-15
Pentane ^a		2.0 I	2.4	0.053	ug/m3	TO-15
n-Propylbenzene ^a		0.79 I	3.9	0.064	ug/m3	TO-15
Propene ^a		0.96 I	1.4	0.22	ug/m3	TO-15
Styrene		0.81 I	3.4	0.047	ug/m3	TO-15
1,1,1-Trichloroethane		0.25 I	4.4	0.093	ug/m3	TO-15
1,2,4-Trichlorobenzene		0.20 I	5.9	0.11	ug/m3	TO-15
1,1,2-Trichlorotrifluoroethane		0.77 I	6.1	0.16	ug/m3	TO-15
1,2,4-Trimethylbenzene		4.5	3.9	0.041	ug/m3	TO-15
1,3,5-Trimethylbenzene		1.1 I	3.9	0.049	ug/m3	TO-15
2,2,4-Trimethylpentane		0.43 I	3.7	0.051	ug/m3	TO-15
t-Butyl Alcohol ^a		1.9 I	4.9	0.033	ug/m3	TO-15
Tetrachloroethene		719	34	0.95	ug/m3	TO-15
Tetrahydrofuran ^a		17	2.4	0.068	ug/m3	TO-15
Toluene		52.8	3.0	0.053	ug/m3	TO-15
Trichloroethene		1.2 I	4.3	0.11	ug/m3	TO-15
Trichlorofluoromethane		1.4 I	4.5	0.096	ug/m3	TO-15
Vinyl chloride		0.26 I	2.0	0.049	ug/m3	TO-15
m,p-Xylene		5.2	3.5	0.078	ug/m3	TO-15
o-Xylene		2.3 I	3.5	0.037	ug/m3	TO-15
Xylenes, Total		7.8	3.5	0.078	ug/m3	TO-15

Summary of Hits

Job Number: TD87378
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 12/14/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
TD87378-3	MAG-7					
Acetone ^a		11.4	1.6	0.023	ppbv	TO-15
Acrolein ^a		0.39 I	0.80	0.039	ppbv	TO-15
Benzene		0.19 I	0.80	0.013	ppbv	TO-15
Bromoform		0.030 I	0.80	0.013	ppbv	TO-15
Bromomethane		0.13 I	0.80	0.015	ppbv	TO-15
2-Butanone		4.8	0.80	0.019	ppbv	TO-15
n-Butylbenzene ^a		0.053 I	0.80	0.0094	ppbv	TO-15
Carbon disulfide ^a		1.3	0.80	0.0098	ppbv	TO-15
Carbon tetrachloride ^a		0.053 I	0.80	0.016	ppbv	TO-15
Chlorobenzene		0.015 I	0.80	0.014	ppbv	TO-15
Chloroform		0.25 I	0.80	0.014	ppbv	TO-15
Chloromethane		0.34 I	0.80	0.022	ppbv	TO-15
Cyclohexane ^a		0.19 I	0.80	0.015	ppbv	TO-15
1,2-Dibromoethane		0.15 I	0.80	0.013	ppbv	TO-15
1,2-Dichloroethane		0.032 I	0.80	0.013	ppbv	TO-15
1,2-Dichloropropane		0.018 I	0.80	0.013	ppbv	TO-15
1,4-Dioxane		0.073 I	0.80	0.011	ppbv	TO-15
Dichlorodifluoromethane		0.50 I	0.80	0.018	ppbv	TO-15
trans-1,2-Dichloroethene		0.034 I	0.80	0.016	ppbv	TO-15
1,3-Dichlorobenzene		0.50 I	0.80	0.012	ppbv	TO-15
1,4-Dichlorobenzene		0.029 I	0.80	0.014	ppbv	TO-15
1,2-Dichlorotetrafluoroethane		0.018 I	0.80	0.016	ppbv	TO-15
Ethanol ^a		11.8	1.6	0.056	ppbv	TO-15
Ethylbenzene		0.33 I	0.80	0.013	ppbv	TO-15
Ethyl Acetate ^a		0.37 I	0.80	0.031	ppbv	TO-15
4-Ethyltoluene ^a		0.22 I	1.6	0.023	ppbv	TO-15
Heptane		0.45 I	0.80	0.012	ppbv	TO-15
Hexachloro-1,3-butadiene		0.013 I	0.80	0.011	ppbv	TO-15
Hexane ^a		5.5	0.80	0.014	ppbv	TO-15
2-Hexanone ^a		0.056 I	0.80	0.020	ppbv	TO-15
Isopropylbenzene ^a		0.037 I	0.80	0.015	ppbv	TO-15
Isopropanol ^a		33.4	10	0.14	ppbv	TO-15
p-Isopropyltoluene ^b		0.11 I	0.80	0.011	ppbv	TO-15
Methylene chloride		49.2	5.0	0.14	ppbv	TO-15
4-Methyl-2-pentanone		0.072 I	0.80	0.013	ppbv	TO-15
Naphthalene ^a		0.091 I	0.80	0.022	ppbv	TO-15
Pentane ^a		0.40 I	0.80	0.018	ppbv	TO-15
n-Propylbenzene ^a		0.12 I	0.80	0.013	ppbv	TO-15
Propene ^a		0.34 I	0.80	0.13	ppbv	TO-15
Styrene		0.16 I	0.80	0.011	ppbv	TO-15
1,2,4-Trichlorobenzene		0.022 I	0.80	0.015	ppbv	TO-15
1,1,2-Trichlorotrifluoroethane		0.11 I	0.80	0.021	ppbv	TO-15
1,2,4-Trimethylbenzene		0.73 I	0.80	0.0083	ppbv	TO-15

Summary of Hits

Job Number: TD87378
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 12/14/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
1,3,5-Trimethylbenzene		0.19 I	0.80	0.010	ppbv	TO-15
2,2,4-Trimethylpentane		0.077 I	0.80	0.011	ppbv	TO-15
t-Butyl Alcohol ^a		0.38 I	1.6	0.011	ppbv	TO-15
Tetrachloroethene		90.5	5.0	0.14	ppbv	TO-15
Tetrahydrofuran ^a		3.8	0.80	0.023	ppbv	TO-15
Toluene		11.8	0.80	0.014	ppbv	TO-15
Trichloroethene		0.075 I	0.80	0.020	ppbv	TO-15
Trichlorofluoromethane		0.23 I	0.80	0.017	ppbv	TO-15
Vinyl acetate		0.12 I	0.80	0.018	ppbv	TO-15
Vinyl chloride		0.073 I	0.80	0.019	ppbv	TO-15
m,p-Xylene		1.2	0.80	0.018	ppbv	TO-15
o-Xylene		0.47 I	0.80	0.0086	ppbv	TO-15
Xylenes, Total		1.6	0.80	0.018	ppbv	TO-15
Acetone ^a		27.1	3.8	0.055	ug/m3	TO-15
Acrolein ^a		0.89 I	1.8	0.089	ug/m3	TO-15
Benzene		0.61 I	2.6	0.042	ug/m3	TO-15
Bromoform		0.31 I	8.3	0.13	ug/m3	TO-15
Bromomethane		0.50 I	3.1	0.058	ug/m3	TO-15
2-Butanone		14	2.4	0.056	ug/m3	TO-15
n-Butylbenzene ^a		0.29 I	4.4	0.052	ug/m3	TO-15
Carbon disulfide ^a		4.0	2.5	0.031	ug/m3	TO-15
Carbon tetrachloride ^a		0.33 I	5.0	0.10	ug/m3	TO-15
Chlorobenzene		0.069 I	3.7	0.064	ug/m3	TO-15
Chloroform		1.2 I	3.9	0.068	ug/m3	TO-15
Chloromethane		0.70 I	1.7	0.045	ug/m3	TO-15
Cyclohexane ^a		0.65 I	2.8	0.052	ug/m3	TO-15
1,2-Dibromoethane		1.2 I	6.1	0.10	ug/m3	TO-15
1,2-Dichloroethane		0.13 I	3.2	0.053	ug/m3	TO-15
1,2-Dichloropropane		0.083 I	3.7	0.060	ug/m3	TO-15
1,4-Dioxane		0.26 I	2.9	0.040	ug/m3	TO-15
Dichlorodifluoromethane		2.5 I	4.0	0.089	ug/m3	TO-15
trans-1,2-Dichloroethene		0.13 I	3.2	0.063	ug/m3	TO-15
1,3-Dichlorobenzene		3.0 I	4.8	0.072	ug/m3	TO-15
1,4-Dichlorobenzene		0.17 I	4.8	0.084	ug/m3	TO-15
1,2-Dichlorotetrafluoroethane		0.13 I	5.6	0.11	ug/m3	TO-15
Ethanol ^a		22.2	3.0	0.11	ug/m3	TO-15
Ethylbenzene		1.4 I	3.5	0.056	ug/m3	TO-15
Ethyl Acetate ^a		1.3 I	2.9	0.11	ug/m3	TO-15
4-Ethyltoluene ^a		1.1 I	7.9	0.11	ug/m3	TO-15
Heptane		1.8 I	3.3	0.049	ug/m3	TO-15
Hexachloro-1,3-butadiene		0.14 I	8.5	0.12	ug/m3	TO-15
Hexane ^a		19	2.8	0.049	ug/m3	TO-15
2-Hexanone ^a		0.23 I	3.3	0.082	ug/m3	TO-15
Isopropylbenzene ^a		0.18 I	3.9	0.074	ug/m3	TO-15
Isopropanol ^a		82.0	25	0.34	ug/m3	TO-15

Summary of Hits

Job Number: TD87378
Account: APTIM
Project: (Air)Crystal Cleaners
Collected: 12/14/23



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
p-Isopropyltoluene ^b		0.60 I	4.4	0.060	ug/m3	TO-15
Methylene chloride		171	17	0.49	ug/m3	TO-15
4-Methyl-2-pentanone		0.30 I	3.3	0.053	ug/m3	TO-15
Naphthalene ^a		0.48 I	4.2	0.12	ug/m3	TO-15
Pentane ^a		1.2 I	2.4	0.053	ug/m3	TO-15
n-Propylbenzene ^a		0.59 I	3.9	0.064	ug/m3	TO-15
Propene ^a		0.58 I	1.4	0.22	ug/m3	TO-15
Styrene		0.68 I	3.4	0.047	ug/m3	TO-15
1,2,4-Trichlorobenzene		0.16 I	5.9	0.11	ug/m3	TO-15
1,1,2-Trichlorotrifluoroethane		0.84 I	6.1	0.16	ug/m3	TO-15
1,2,4-Trimethylbenzene		3.6 I	3.9	0.041	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.93 I	3.9	0.049	ug/m3	TO-15
2,2,4-Trimethylpentane		0.36 I	3.7	0.051	ug/m3	TO-15
t-Butyl Alcohol ^a		1.2 I	4.9	0.033	ug/m3	TO-15
Tetrachloroethene		614	34	0.95	ug/m3	TO-15
Tetrahydrofuran ^a		11	2.4	0.068	ug/m3	TO-15
Toluene		44.5	3.0	0.053	ug/m3	TO-15
Trichloroethene		0.40 I	4.3	0.11	ug/m3	TO-15
Trichlorofluoromethane		1.3 I	4.5	0.096	ug/m3	TO-15
Vinyl acetate		0.42 I	2.8	0.063	ug/m3	TO-15
Vinyl chloride		0.19 I	2.0	0.049	ug/m3	TO-15
m,p-Xylene		5.2	3.5	0.078	ug/m3	TO-15
o-Xylene		2.0 I	3.5	0.037	ug/m3	TO-15
Xylenes, Total		6.9	3.5	0.078	ug/m3	TO-15

(a) Not Florida NELAP certified.

(b) Not NELAC certified.



Houston, TX

Section 4

4

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MAG-4	Date Sampled:	12/14/23
Lab Sample ID:	TD87378-1	Date Received:	12/15/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A2312248.D	1.6	12/18/23 21:44	KS	n/a	n/a	V1A2220
Run #2	1A2312244.D	10	12/18/23 19:04	KS	n/a	n/a	V1A2220

	Initial Volume
Run #1	400 ml
Run #2	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
67-64-1	58.08	Acetone ^a	14.1	1.6	0.023	ppbv		33.5	3.8	0.055	ug/m3
107-02-8	56	Acrolein ^a	0.42	0.80	0.039	ppbv	I	0.96	1.8	0.089	ug/m3
107-13-1	53	Acrylonitrile ^a	0.025 U	0.80	0.025	ppbv		0.054 U	1.7	0.054	ug/m3
107-05-1	76.53	Allyl chloride ^a	0.028 U	1.6	0.028	ppbv		0.088 U	5.0	0.088	ug/m3
106-99-0	54.09	1,3-Butadiene	0.022 U	1.6	0.022	ppbv		0.049 U	3.5	0.049	ug/m3
71-43-2	78.11	Benzene	0.20	0.80	0.013	ppbv	I	0.64	2.6	0.042	ug/m3
100-44-7	126	Benzyl Chloride	0.0069 U	0.80	0.0069	ppbv		0.036 U	4.1	0.036	ug/m3
75-27-4	163.8	Bromodichloromethane ^a	0.016 U	0.80	0.016	ppbv		0.11 U	5.4	0.11	ug/m3
75-25-2	252.8	Bromoform	0.013 U	0.80	0.013	ppbv		0.13 U	8.3	0.13	ug/m3
74-83-9	94.94	Bromomethane	0.015 U	0.80	0.015	ppbv		0.058 U	3.1	0.058	ug/m3
78-93-3	72.11	2-Butanone	5.2	0.80	0.019	ppbv		15	2.4	0.056	ug/m3
104-51-8	134	n-Butylbenzene ^a	0.063	0.80	0.0094	ppbv	I	0.35	4.4	0.052	ug/m3
135-98-8	134	sec-Butylbenzene ^a	0.017 U	0.80	0.017	ppbv		0.093 U	4.4	0.093	ug/m3
75-15-0	76.14	Carbon disulfide ^a	1.5	0.80	0.0098	ppbv		4.7	2.5	0.031	ug/m3
56-23-5	153.8	Carbon tetrachloride ^a	0.051	0.80	0.016	ppbv	I	0.32	5.0	0.10	ug/m3
108-90-7	112.6	Chlorobenzene	0.016	0.80	0.014	ppbv	I	0.074	3.7	0.064	ug/m3
75-00-3	64.52	Chloroethane	0.020 U	0.80	0.020	ppbv		0.053 U	2.1	0.053	ug/m3
67-66-3	119.4	Chloroform	0.33	0.80	0.014	ppbv	I	1.6	3.9	0.068	ug/m3
74-87-3	50.49	Chloromethane	0.29	0.80	0.022	ppbv	I	0.60	1.7	0.045	ug/m3
110-82-7	84.16	Cyclohexane ^a	0.26	0.80	0.015	ppbv	I	0.89	2.8	0.052	ug/m3
124-48-1	208.3	Dibromochloromethane ^a	0.012 U	0.80	0.012	ppbv		0.10 U	6.8	0.10	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.014 U	0.80	0.014	ppbv		0.057 U	3.2	0.057	ug/m3
75-35-4	96.94	1,1-Dichloroethene	0.012 U	0.80	0.012	ppbv		0.048 U	3.2	0.048	ug/m3
106-93-4	187.9	1,2-Dibromoethane	0.013 U	0.80	0.013	ppbv		0.10 U	6.1	0.10	ug/m3
557-91-5	187.9	1,1-Dibromoethane ^b	0.016 U	0.80	0.016	ppbv		0.12 U	6.1	0.12	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.050	0.80	0.013	ppbv	I	0.20	3.2	0.053	ug/m3
78-87-5	113	1,2-Dichloropropane	0.020	0.80	0.013	ppbv	I	0.092	3.7	0.060	ug/m3
123-91-1	88	1,4-Dioxane	0.026	0.80	0.011	ppbv	I	0.094	2.9	0.040	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.48	0.80	0.018	ppbv	I	2.4	4.0	0.089	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethene	0.041	0.80	0.016	ppbv	I	0.16	3.2	0.063	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethene	0.015 U	0.80	0.015	ppbv		0.059 U	3.2	0.059	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.0091 U	0.80	0.0091	ppbv		0.041 U	3.6	0.041	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MAG-4
Lab Sample ID: TD87378-1
Matrix: AIR - Air
Method: TO-15
Project: (Air)Crystal Cleaners

Date Sampled: 12/14/23**Date Received:** 12/15/23**Percent Solids:** n/a

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
95-50-1	147	1,2-Dichlorobenzene	0.013 U	0.80	0.013	ppbv		0.078 U	4.8	0.078	ug/m3
541-73-1	147	1,3-Dichlorobenzene	0.076	0.80	0.012	ppbv	I	0.46	4.8	0.072	ug/m3
106-46-7	147	1,4-Dichlorobenzene	0.025	0.80	0.014	ppbv	I	0.15	4.8	0.084	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.016 U	0.80	0.016	ppbv		0.073 U	3.6	0.073	ug/m3
76-14-2	170.9	1,2-Dichlorotetrafluoroethane	0.016 U	0.80	0.016	ppbv		0.11 U	5.6	0.11	ug/m3
108-20-3	102	Di-Isopropyl ether ^a	0.013 U	1.6	0.013	ppbv		0.054 U	6.7	0.054	ug/m3
64-17-5	46	Ethanol ^a	17.7	1.6	0.056	ppbv		33.3	3.0	0.11	ug/m3
100-41-4	106.2	Ethylbenzene	0.36	0.80	0.013	ppbv	I	1.6	3.5	0.056	ug/m3
141-78-6	88	Ethyl Acetate ^a	0.41	0.80	0.031	ppbv	I	1.5	2.9	0.11	ug/m3
637-92-3	102	Ethyl tert-Butyl Ether ^a	0.012 U	1.6	0.012	ppbv		0.050 U	6.7	0.050	ug/m3
622-96-8	120.2	4-Ethyltoluene ^a	0.24	1.6	0.023	ppbv	I	1.2	7.9	0.11	ug/m3
142-82-5	100.2	Heptane	0.61	0.80	0.012	ppbv	I	2.5	3.3	0.049	ug/m3
87-68-3	260.8	Hexachloro-1,3-butadiene	0.011 U	0.80	0.011	ppbv		0.12 U	8.5	0.12	ug/m3
110-54-3	86.17	Hexane ^a	9.7	0.80	0.014	ppbv		34	2.8	0.049	ug/m3
591-78-6	100	2-Hexanone ^a	0.072	0.80	0.020	ppbv	I	0.29	3.3	0.082	ug/m3
98-82-8	120	Isopropylbenzene ^a	0.043	0.80	0.015	ppbv	I	0.21	3.9	0.074	ug/m3
67-63-0	60	Isopropanol ^a	48.0 ^c	10	0.14	ppbv		118 ^c	25	0.34	ug/m3
99-87-6	134	p-Isopropyltoluene ^b	0.081	0.80	0.011	ppbv	I	0.44	4.4	0.060	ug/m3
75-09-2	84.94	Methylene chloride	51.6 ^c	5.0	0.14	ppbv		179 ^c	17	0.49	ug/m3
108-10-1	100.2	4-Methyl-2-pentanone	0.070	0.80	0.013	ppbv	I	0.29	3.3	0.053	ug/m3
1634-04-4	88.15	Methyl Tert-Butyl Ether	0.016 U	0.80	0.016	ppbv		0.058 U	2.9	0.058	ug/m3
80-62-6	100	Methyl methacrylate ^a	0.020	0.80	0.0098	ppbv	I	0.082	3.3	0.040	ug/m3
91-20-3	128.17	Naphthalene ^a	0.079	0.80	0.022	ppbv	I	0.41	4.2	0.12	ug/m3
109-66-0	72	Pentane ^a	0.66	0.80	0.018	ppbv	I	1.9	2.4	0.053	ug/m3
103-65-1	120	n-Propylbenzene ^a	0.15	0.80	0.013	ppbv	I	0.74	3.9	0.064	ug/m3
115-07-1	42	Propene ^a	0.27	0.80	0.13	ppbv	I	0.46	1.4	0.22	ug/m3
100-42-5	104.1	Styrene	0.18	0.80	0.011	ppbv	I	0.77	3.4	0.047	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	0.012 U	0.80	0.012	ppbv		0.082 U	5.5	0.082	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.047	0.80	0.017	ppbv	I	0.26	4.4	0.093	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.013 U	0.80	0.013	ppbv		0.071 U	4.4	0.071	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.018	0.80	0.015	ppbv	I	0.13	5.9	0.11	ug/m3
76-13-1	187.4	1,1,2-Trichlorotrifluoroethane	0.090	0.80	0.021	ppbv	I	0.69	6.1	0.16	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.86	0.80	0.0083	ppbv		4.2	3.9	0.041	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.21	0.80	0.010	ppbv	I	1.0	3.9	0.049	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.075	0.80	0.011	ppbv	I	0.35	3.7	0.051	ug/m3
75-65-0	74.12	t-Butyl Alcohol ^a	0.41	1.6	0.011	ppbv	I	1.2	4.9	0.033	ug/m3
994-05-8	102	tert Amyl Methyl Ether ^a	0.015 U	1.6	0.015	ppbv		0.063 U	6.7	0.063	ug/m3
127-18-4	165.8	Tetrachloroethene	82.3 ^c	5.0	0.14	ppbv		558 ^c	34	0.95	ug/m3
109-99-9	72	Tetrahydrofuran ^a	4.8	0.80	0.023	ppbv		14	2.4	0.068	ug/m3
108-88-3	92.14	Toluene	13.1	0.80	0.014	ppbv		49.4	3.0	0.053	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-4	Date Sampled:	12/14/23
Lab Sample ID:	TD87378-1	Date Received:	12/15/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
79-01-6	131.4	Trichloroethene	0.24	0.80	0.020	ppbv	I	1.3	4.3	0.11	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.21	0.80	0.017	ppbv	I	1.2	4.5	0.096	ug/m3
108-05-4	86	Vinyl acetate	0.018 U	0.80	0.018	ppbv		0.063 U	2.8	0.063	ug/m3
593-60-2	106.9	Vinyl Bromide	0.019 U	0.80	0.019	ppbv		0.083 U	3.5	0.083	ug/m3
75-01-4	62.5	Vinyl chloride	0.062	0.80	0.019	ppbv	I	0.16	2.0	0.049	ug/m3
	106.2	m,p-Xylene	1.3	0.80	0.018	ppbv		5.6	3.5	0.078	ug/m3
95-47-6	106.2	o-Xylene	0.51	0.80	0.0086	ppbv	I	2.2	3.5	0.037	ug/m3
1330-20-7	106.2	Xylenes, Total	1.8	0.80	0.018	ppbv		7.8	3.5	0.078	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%	98%	65-128%

- (a) Not Florida NELAP certified.
- (b) Not NELAC certified.
- (c) Result is from Run# 2

U = Not detected MDL = Method Detection Limit I = Result > = MDL but < PQL J = Estimated value
PQL = Practical Quantitation Limit V = Indicates analyte found in associated method blank
L = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-8	Date Sampled:	12/14/23
Lab Sample ID:	TD87378-2	Date Received:	12/15/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A2312250.D	1.6	12/18/23 23:04	KS	n/a	n/a	V1A2220
Run #2	1A2312245.D	10	12/18/23 19:42	KS	n/a	n/a	V1A2220

	Initial Volume
Run #1	400 ml
Run #2	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
67-64-1	58.08	Acetone ^a	13.7	1.6	0.023	ppbv		32.5	3.8	0.055	ug/m3
107-02-8	56	Acrolein ^a	0.53	0.80	0.039	ppbv	I	1.2	1.8	0.089	ug/m3
107-13-1	53	Acrylonitrile ^a	0.028	0.80	0.025	ppbv	I	0.061	1.7	0.054	ug/m3
107-05-1	76.53	Allyl chloride ^a	0.028 U	1.6	0.028	ppbv		0.088 U	5.0	0.088	ug/m3
106-99-0	54.09	1,3-Butadiene	0.022 U	1.6	0.022	ppbv		0.049 U	3.5	0.049	ug/m3
71-43-2	78.11	Benzene	0.21	0.80	0.013	ppbv	I	0.67	2.6	0.042	ug/m3
100-44-7	126	Benzyl Chloride	0.0069 U	0.80	0.0069	ppbv		0.036 U	4.1	0.036	ug/m3
75-27-4	163.8	Bromodichloromethane ^a	0.016 U	0.80	0.016	ppbv		0.11 U	5.4	0.11	ug/m3
75-25-2	252.8	Bromoform	0.013 U	0.80	0.013	ppbv		0.13 U	8.3	0.13	ug/m3
74-83-9	94.94	Bromomethane	0.032	0.80	0.015	ppbv	I	0.12	3.1	0.058	ug/m3
78-93-3	72.11	2-Butanone	11.9	0.80	0.019	ppbv		35.1	2.4	0.056	ug/m3
104-51-8	134	n-Butylbenzene ^a	0.073	0.80	0.0094	ppbv	I	0.40	4.4	0.052	ug/m3
135-98-8	134	sec-Butylbenzene ^a	0.022	0.80	0.017	ppbv	I	0.12	4.4	0.093	ug/m3
75-15-0	76.14	Carbon disulfide ^a	1.5	0.80	0.0098	ppbv		4.7	2.5	0.031	ug/m3
56-23-5	153.8	Carbon tetrachloride ^a	0.051	0.80	0.016	ppbv	I	0.32	5.0	0.10	ug/m3
108-90-7	112.6	Chlorobenzene	0.016	0.80	0.014	ppbv	I	0.074	3.7	0.064	ug/m3
75-00-3	64.52	Chloroethane	0.020 U	0.80	0.020	ppbv		0.053 U	2.1	0.053	ug/m3
67-66-3	119.4	Chloroform	0.30	0.80	0.014	ppbv	I	1.5	3.9	0.068	ug/m3
74-87-3	50.49	Chloromethane	0.30	0.80	0.022	ppbv	I	0.62	1.7	0.045	ug/m3
110-82-7	84.16	Cyclohexane ^a	0.28	0.80	0.015	ppbv	I	0.96	2.8	0.052	ug/m3
124-48-1	208.3	Dibromochloromethane ^a	0.012 U	0.80	0.012	ppbv		0.10 U	6.8	0.10	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.014 U	0.80	0.014	ppbv		0.057 U	3.2	0.057	ug/m3
75-35-4	96.94	1,1-Dichloroethene	0.012 U	0.80	0.012	ppbv		0.048 U	3.2	0.048	ug/m3
106-93-4	187.9	1,2-Dibromoethane	0.014	0.80	0.013	ppbv	I	0.11	6.1	0.10	ug/m3
557-91-5	187.9	1,1-Dibromoethane ^b	0.016 U	0.80	0.016	ppbv		0.12 U	6.1	0.12	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.097	0.80	0.013	ppbv	I	0.39	3.2	0.053	ug/m3
78-87-5	113	1,2-Dichloropropane	0.018	0.80	0.013	ppbv	I	0.083	3.7	0.060	ug/m3
123-91-1	88	1,4-Dioxane	0.029	0.80	0.011	ppbv	I	0.10	2.9	0.040	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.57	0.80	0.018	ppbv	I	2.8	4.0	0.089	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethene	0.046	0.80	0.016	ppbv	I	0.18	3.2	0.063	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethene	0.015 U	0.80	0.015	ppbv		0.059 U	3.2	0.059	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.0091 U	0.80	0.0091	ppbv		0.041 U	3.6	0.041	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MAG-8
Lab Sample ID: TD87378-2
Matrix: AIR - Air
Method: TO-15
Project: (Air)Crystal Cleaners

Date Sampled: 12/14/23

Date Received: 12/15/23

Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
95-50-1	147	1,2-Dichlorobenzene	0.013 U	0.80	0.013	ppbv		0.078 U	4.8	0.078	ug/m3
541-73-1	147	1,3-Dichlorobenzene	0.57	0.80	0.012	ppbv	I	3.4	4.8	0.072	ug/m3
106-46-7	147	1,4-Dichlorobenzene	0.033	0.80	0.014	ppbv	I	0.20	4.8	0.084	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.016 U	0.80	0.016	ppbv		0.073 U	3.6	0.073	ug/m3
76-14-2	170.9	1,2-Dichlorotetrafluoroethane	0.018	0.80	0.016	ppbv	I	0.13	5.6	0.11	ug/m3
108-20-3	102	Di-Isopropyl ether ^a	0.013 U	1.6	0.013	ppbv		0.054 U	6.7	0.054	ug/m3
64-17-5	46	Ethanol ^a	15.8	1.6	0.056	ppbv		29.7	3.0	0.11	ug/m3
100-41-4	106.2	Ethylbenzene	0.38	0.80	0.013	ppbv	I	1.7	3.5	0.056	ug/m3
141-78-6	88	Ethyl Acetate ^a	0.43	0.80	0.031	ppbv	I	1.5	2.9	0.11	ug/m3
637-92-3	102	Ethyl tert-Butyl Ether ^a	0.012 U	1.6	0.012	ppbv		0.050 U	6.7	0.050	ug/m3
622-96-8	120.2	4-Ethyltoluene ^a	0.26	1.6	0.023	ppbv	I	1.3	7.9	0.11	ug/m3
142-82-5	100.2	Heptane	0.62	0.80	0.012	ppbv	I	2.5	3.3	0.049	ug/m3
87-68-3	260.8	Hexachloro-1,3-butadiene	0.013	0.80	0.011	ppbv	I	0.14	8.5	0.12	ug/m3
110-54-3	86.17	Hexane ^a	10.5	0.80	0.014	ppbv		37.0	2.8	0.049	ug/m3
591-78-6	100	2-Hexanone ^a	0.086	0.80	0.020	ppbv	I	0.35	3.3	0.082	ug/m3
98-82-8	120	Isopropylbenzene ^a	0.048	0.80	0.015	ppbv	I	0.24	3.9	0.074	ug/m3
67-63-0	60	Isopropanol ^a	50.2 ^c	10	0.14	ppbv		123 ^c	25	0.34	ug/m3
99-87-6	134	p-Isopropyltoluene ^b	0.093	0.80	0.011	ppbv	I	0.51	4.4	0.060	ug/m3
75-09-2	84.94	Methylene chloride	56.8 ^c	5.0	0.14	ppbv		197 ^c	17	0.49	ug/m3
108-10-1	100.2	4-Methyl-2-pentanone	0.073	0.80	0.013	ppbv	I	0.30	3.3	0.053	ug/m3
1634-04-4	88.15	Methyl Tert-Butyl Ether	0.016 U	0.80	0.016	ppbv		0.058 U	2.9	0.058	ug/m3
80-62-6	100	Methyl methacrylate ^a	0.0098 U	0.80	0.0098	ppbv		0.040 U	3.3	0.040	ug/m3
91-20-3	128.17	Naphthalene ^a	0.095	0.80	0.022	ppbv	I	0.50	4.2	0.12	ug/m3
109-66-0	72	Pentane ^a	0.67	0.80	0.018	ppbv	I	2.0	2.4	0.053	ug/m3
103-65-1	120	n-Propylbenzene ^a	0.16	0.80	0.013	ppbv	I	0.79	3.9	0.064	ug/m3
115-07-1	42	Propene ^a	0.56	0.80	0.13	ppbv	I	0.96	1.4	0.22	ug/m3
100-42-5	104.1	Styrene	0.19	0.80	0.011	ppbv	I	0.81	3.4	0.047	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	0.012 U	0.80	0.012	ppbv		0.082 U	5.5	0.082	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.045	0.80	0.017	ppbv	I	0.25	4.4	0.093	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.013 U	0.80	0.013	ppbv		0.071 U	4.4	0.071	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.027	0.80	0.015	ppbv	I	0.20	5.9	0.11	ug/m3
76-13-1	187.4	1,1,2-Trichlorotrifluoroethane	0.10	0.80	0.021	ppbv	I	0.77	6.1	0.16	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.92	0.80	0.0083	ppbv		4.5	3.9	0.041	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.23	0.80	0.010	ppbv	I	1.1	3.9	0.049	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.091	0.80	0.011	ppbv	I	0.43	3.7	0.051	ug/m3
75-65-0	74.12	t-Butyl Alcohol ^a	0.64	1.6	0.011	ppbv	I	1.9	4.9	0.033	ug/m3
994-05-8	102	tert Amyl Methyl Ether ^a	0.015 U	1.6	0.015	ppbv		0.063 U	6.7	0.063	ug/m3
127-18-4	165.8	Tetrachloroethene	106 ^c	5.0	0.14	ppbv		719 ^c	34	0.95	ug/m3
109-99-9	72	Tetrahydrofuran ^a	5.7	0.80	0.023	ppbv		17	2.4	0.068	ug/m3
108-88-3	92.14	Toluene	14.0	0.80	0.014	ppbv		52.8	3.0	0.053	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MAG-8
Lab Sample ID: TD87378-2
Matrix: AIR - Air
Method: TO-15
Project: (Air)Crystal Cleaners

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
79-01-6	131.4	Trichloroethene	0.23	0.80	0.020	ppbv	I	1.2	4.3	0.11	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.80	0.017	ppbv	I	1.4	4.5	0.096	ug/m3
108-05-4	86	Vinyl acetate	0.018 U	0.80	0.018	ppbv		0.063 U	2.8	0.063	ug/m3
593-60-2	106.9	Vinyl Bromide	0.019 U	0.80	0.019	ppbv		0.083 U	3.5	0.083	ug/m3
75-01-4	62.5	Vinyl chloride	0.10	0.80	0.019	ppbv	I	0.26	2.0	0.049	ug/m3
	106.2	m,p-Xylene	1.2	0.80	0.018	ppbv		5.2	3.5	0.078	ug/m3
95-47-6	106.2	o-Xylene	0.53	0.80	0.0086	ppbv	I	2.3	3.5	0.037	ug/m3
1330-20-7	106.2	Xylenes, Total	1.8	0.80	0.018	ppbv		7.8	3.5	0.078	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%	99%	65-128%

(a) Not Florida NELAP certified.

(b) Not NELAC certified.

(c) Result is from Run# 2

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 L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value
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Report of Analysis

Client Sample ID:	MAG-7	Date Sampled:	12/14/23
Lab Sample ID:	TD87378-3	Date Received:	12/15/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A2312253.D	1.6	12/19/23 02:42	KS	n/a	n/a	V1A2220
Run #2	1A2312246.D	10	12/18/23 20:19	KS	n/a	n/a	V1A2220

	Initial Volume
Run #1	400 ml
Run #2	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
67-64-1	58.08	Acetone ^a	11.4	1.6	0.023	ppbv		27.1	3.8	0.055	ug/m3
107-02-8	56	Acrolein ^a	0.39	0.80	0.039	ppbv	I	0.89	1.8	0.089	ug/m3
107-13-1	53	Acrylonitrile ^a	0.025 U	0.80	0.025	ppbv		0.054 U	1.7	0.054	ug/m3
107-05-1	76.53	Allyl chloride ^a	0.028 U	1.6	0.028	ppbv		0.088 U	5.0	0.088	ug/m3
106-99-0	54.09	1,3-Butadiene	0.022 U	1.6	0.022	ppbv		0.049 U	3.5	0.049	ug/m3
71-43-2	78.11	Benzene	0.19	0.80	0.013	ppbv	I	0.61	2.6	0.042	ug/m3
100-44-7	126	Benzyl Chloride	0.0069 U	0.80	0.0069	ppbv		0.036 U	4.1	0.036	ug/m3
75-27-4	163.8	Bromodichloromethane ^a	0.016 U	0.80	0.016	ppbv		0.11 U	5.4	0.11	ug/m3
75-25-2	252.8	Bromoform	0.030	0.80	0.013	ppbv	I	0.31	8.3	0.13	ug/m3
74-83-9	94.94	Bromomethane	0.13	0.80	0.015	ppbv	I	0.50	3.1	0.058	ug/m3
78-93-3	72.11	2-Butanone	4.8	0.80	0.019	ppbv		14	2.4	0.056	ug/m3
104-51-8	134	n-Butylbenzene ^a	0.053	0.80	0.0094	ppbv	I	0.29	4.4	0.052	ug/m3
135-98-8	134	sec-Butylbenzene ^a	0.017 U	0.80	0.017	ppbv		0.093 U	4.4	0.093	ug/m3
75-15-0	76.14	Carbon disulfide ^a	1.3	0.80	0.0098	ppbv		4.0	2.5	0.031	ug/m3
56-23-5	153.8	Carbon tetrachloride ^a	0.053	0.80	0.016	ppbv	I	0.33	5.0	0.10	ug/m3
108-90-7	112.6	Chlorobenzene	0.015	0.80	0.014	ppbv	I	0.069	3.7	0.064	ug/m3
75-00-3	64.52	Chloroethane	0.020 U	0.80	0.020	ppbv		0.053 U	2.1	0.053	ug/m3
67-66-3	119.4	Chloroform	0.25	0.80	0.014	ppbv	I	1.2	3.9	0.068	ug/m3
74-87-3	50.49	Chloromethane	0.34	0.80	0.022	ppbv	I	0.70	1.7	0.045	ug/m3
110-82-7	84.16	Cyclohexane ^a	0.19	0.80	0.015	ppbv	I	0.65	2.8	0.052	ug/m3
124-48-1	208.3	Dibromochloromethane ^a	0.012 U	0.80	0.012	ppbv		0.10 U	6.8	0.10	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.014 U	0.80	0.014	ppbv		0.057 U	3.2	0.057	ug/m3
75-35-4	96.94	1,1-Dichloroethene	0.012 U	0.80	0.012	ppbv		0.048 U	3.2	0.048	ug/m3
106-93-4	187.9	1,2-Dibromoethane	0.15	0.80	0.013	ppbv	I	1.2	6.1	0.10	ug/m3
557-91-5	187.9	1,1-Dibromoethane ^b	0.016 U	0.80	0.016	ppbv		0.12 U	6.1	0.12	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.032	0.80	0.013	ppbv	I	0.13	3.2	0.053	ug/m3
78-87-5	113	1,2-Dichloropropane	0.018	0.80	0.013	ppbv	I	0.083	3.7	0.060	ug/m3
123-91-1	88	1,4-Dioxane	0.073	0.80	0.011	ppbv	I	0.26	2.9	0.040	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.80	0.018	ppbv	I	2.5	4.0	0.089	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethene	0.034	0.80	0.016	ppbv	I	0.13	3.2	0.063	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethene	0.015 U	0.80	0.015	ppbv		0.059 U	3.2	0.059	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.0091 U	0.80	0.0091	ppbv		0.041 U	3.6	0.041	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MAG-7
Lab Sample ID: TD87378-3
Matrix: AIR - Air
Method: TO-15
Project: (Air)Crystal Cleaners

Date Sampled: 12/14/23**Date Received:** 12/15/23**Percent Solids:** n/a

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
95-50-1	147	1,2-Dichlorobenzene	0.013 U	0.80	0.013	ppbv		0.078 U	4.8	0.078	ug/m3
541-73-1	147	1,3-Dichlorobenzene	0.50	0.80	0.012	ppbv	I	3.0	4.8	0.072	ug/m3
106-46-7	147	1,4-Dichlorobenzene	0.029	0.80	0.014	ppbv	I	0.17	4.8	0.084	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.016 U	0.80	0.016	ppbv		0.073 U	3.6	0.073	ug/m3
76-14-2	170.9	1,2-Dichlorotetrafluoroethane	0.018	0.80	0.016	ppbv	I	0.13	5.6	0.11	ug/m3
108-20-3	102	Di-Isopropyl ether ^a	0.013 U	1.6	0.013	ppbv		0.054 U	6.7	0.054	ug/m3
64-17-5	46	Ethanol ^a	11.8	1.6	0.056	ppbv		22.2	3.0	0.11	ug/m3
100-41-4	106.2	Ethylbenzene	0.33	0.80	0.013	ppbv	I	1.4	3.5	0.056	ug/m3
141-78-6	88	Ethyl Acetate ^a	0.37	0.80	0.031	ppbv	I	1.3	2.9	0.11	ug/m3
637-92-3	102	Ethyl tert-Butyl Ether ^a	0.012 U	1.6	0.012	ppbv		0.050 U	6.7	0.050	ug/m3
622-96-8	120.2	4-Ethyltoluene ^a	0.22	1.6	0.023	ppbv	I	1.1	7.9	0.11	ug/m3
142-82-5	100.2	Heptane	0.45	0.80	0.012	ppbv	I	1.8	3.3	0.049	ug/m3
87-68-3	260.8	Hexachloro-1,3-butadiene	0.013	0.80	0.011	ppbv	I	0.14	8.5	0.12	ug/m3
110-54-3	86.17	Hexane ^a	5.5	0.80	0.014	ppbv		19	2.8	0.049	ug/m3
591-78-6	100	2-Hexanone ^a	0.056	0.80	0.020	ppbv	I	0.23	3.3	0.082	ug/m3
98-82-8	120	Isopropylbenzene ^a	0.037	0.80	0.015	ppbv	I	0.18	3.9	0.074	ug/m3
67-63-0	60	Isopropanol ^a	33.4 ^c	10	0.14	ppbv		82.0 ^c	25	0.34	ug/m3
99-87-6	134	p-Isopropyltoluene ^b	0.11	0.80	0.011	ppbv	I	0.60	4.4	0.060	ug/m3
75-09-2	84.94	Methylene chloride	49.2 ^c	5.0	0.14	ppbv		171 ^c	17	0.49	ug/m3
108-10-1	100.2	4-Methyl-2-pentanone	0.072	0.80	0.013	ppbv	I	0.30	3.3	0.053	ug/m3
1634-04-4	88.15	Methyl Tert-Butyl Ether	0.016 U	0.80	0.016	ppbv		0.058 U	2.9	0.058	ug/m3
80-62-6	100	Methyl methacrylate ^a	0.0098 U	0.80	0.0098	ppbv		0.040 U	3.3	0.040	ug/m3
91-20-3	128.17	Naphthalene ^a	0.091	0.80	0.022	ppbv	I	0.48	4.2	0.12	ug/m3
109-66-0	72	Pentane ^a	0.40	0.80	0.018	ppbv	I	1.2	2.4	0.053	ug/m3
103-65-1	120	n-Propylbenzene ^a	0.12	0.80	0.013	ppbv	I	0.59	3.9	0.064	ug/m3
115-07-1	42	Propene ^a	0.34	0.80	0.13	ppbv	I	0.58	1.4	0.22	ug/m3
100-42-5	104.1	Styrene	0.16	0.80	0.011	ppbv	I	0.68	3.4	0.047	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	0.012 U	0.80	0.012	ppbv		0.082 U	5.5	0.082	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.017 U	0.80	0.017	ppbv		0.093 U	4.4	0.093	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.013 U	0.80	0.013	ppbv		0.071 U	4.4	0.071	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.022	0.80	0.015	ppbv	I	0.16	5.9	0.11	ug/m3
76-13-1	187.4	1,1,2-Trichlorotrifluoroethane	0.11	0.80	0.021	ppbv	I	0.84	6.1	0.16	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.73	0.80	0.0083	ppbv	I	3.6	3.9	0.041	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.19	0.80	0.010	ppbv	I	0.93	3.9	0.049	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.077	0.80	0.011	ppbv	I	0.36	3.7	0.051	ug/m3
75-65-0	74.12	t-Butyl Alcohol ^a	0.38	1.6	0.011	ppbv	I	1.2	4.9	0.033	ug/m3
994-05-8	102	tert Amyl Methyl Ether ^a	0.015 U	1.6	0.015	ppbv		0.063 U	6.7	0.063	ug/m3
127-18-4	165.8	Tetrachloroethene	90.5 ^c	5.0	0.14	ppbv		614 ^c	34	0.95	ug/m3
109-99-9	72	Tetrahydrofuran ^a	3.8	0.80	0.023	ppbv		11	2.4	0.068	ug/m3
108-88-3	92.14	Toluene	11.8	0.80	0.014	ppbv		44.5	3.0	0.053	ug/m3

U = Not detected MDL = Method Detection Limit

PQL = Practical Quantitation Limit

L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MAG-7	Date Sampled:	12/14/23
Lab Sample ID:	TD87378-3	Date Received:	12/15/23
Matrix:	AIR - Air	Percent Solids:	n/a
Method:	TO-15		
Project:	(Air)Crystal Cleaners		

VOA TO15 List

CAS No.	MW	Compound	Result	PQL	MDL	Units	Q	Result	PQL	MDL	Units
79-01-6	131.4	Trichloroethene	0.075	0.80	0.020	ppbv	I	0.40	4.3	0.11	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.80	0.017	ppbv	I	1.3	4.5	0.096	ug/m3
108-05-4	86	Vinyl acetate	0.12	0.80	0.018	ppbv	I	0.42	2.8	0.063	ug/m3
593-60-2	106.9	Vinyl Bromide	0.019 U	0.80	0.019	ppbv		0.083 U	3.5	0.083	ug/m3
75-01-4	62.5	Vinyl chloride	0.073	0.80	0.019	ppbv	I	0.19	2.0	0.049	ug/m3
	106.2	m,p-Xylene	1.2	0.80	0.018	ppbv		5.2	3.5	0.078	ug/m3
95-47-6	106.2	o-Xylene	0.47	0.80	0.0086	ppbv	I	2.0	3.5	0.037	ug/m3
1330-20-7	106.2	Xylenes, Total	1.6	0.80	0.018	ppbv		6.9	3.5	0.078	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%	99%	65-128%

- (a) Not Florida NELAP certified.
- (b) Not NELAC certified.
- (c) Result is from Run# 2

U = Not detected MDL = Method Detection Limit I = Result > = MDL but < PQL J = Estimated value
PQL = Practical Quantitation Limit V = Indicates analyte found in associated method blank
L = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS North America Inc - Orlando

Chain of Custody

4405 Vineland Road, Suite E-15, Orlando, FL 32811
TEL: 407-425-6700 FAX: 407-425-6707

SGS - ORLANDO JOB # :

PAGE 1 OF 1

SGS - ORLANDO Quote #

SKIFF #

[illegible]

ORLD-SMT-0001-03-FORM-COC (4) d/s Rev 031318

<http://www.scs.com/en/terms-and-conditions>

TD87378: Chain of Custody

Page 1 of 2



SGS Sample Receipt Summary

Job Number: TD87378

Client: APTIM

Project: CRYSTAL CLEANERS

Date / Time Received: 12/15/2023 11:30:00 AM

Delivery Method: FED EX

Airbill #'s: 580132510287

Cooler Temps (Raw Measured) °C: Cooler 1: (24.1);

Cooler Temps (Corrected) °C: Cooler 1: (24.4);

Cooler Security
Y or N
Y or N

1. Custody Seals Present: ☒ ☐	3. COC Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐	4. Smpl Dates/Time OK ☒ ☐

Cooler Temperature
Y or N

1. Temp criteria achieved: ☒ ☐	
2. Cooler temp verification: _____	
3. Cooler media: _____	No Ice
4. No. Coolers: _____	1

Quality Control Preservation
Y or N
N/A

1. Trip Blank present / cooler: ☐ ☐	☒
2. Trip Blank listed on COC: ☐ ☐	☒
3. Samples preserved properly: ☒ ☐	
4. VOCs headspace free: ☐ ☐	☒

Sample Integrity - Documentation
Y or N

1. Sample labels present on bottles: ☒ ☐	
2. Container labeling complete: ☒ ☐	
3. Sample container label / COC agree: ☒ ☐	

Sample Integrity - Condition
Y or N

1. Sample recvd within HT: ☒ ☐	
2. All containers accounted for: ☒ ☐	
3. Condition of sample: _____	Intact

Sample Integrity - Instructions
Y or N N/A

1. Analysis requested is clear: ☒ ☐	
2. Bottles received for unspecified tests: ☐ ☒	
3. Sufficient volume recvd for analysis: ☒ ☐	
4. Compositing instructions clear: ☐ ☐	☒
5. Filtering instructions clear: ☐ ☐	☒

Test Strip Lot #s:	pH 1-12: 10D2191	pH 12+: _____	Other: (Specify) _____

Comments

 SM089-03
 Rev. Date 12/7/17

TD87378: Chain of Custody
Page 2 of 2




MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 3

Job Number: TD87378
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A2220-MB	1A2312240.D	1	12/18/23	KS	n/a	n/a	V1A2220

The QC reported here applies to the following samples:

Method: TO-15

TD87378-1, TD87378-2, TD87378-3

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	0.095	1.0	0.014	ppbv	J	0.23	2.4	ug/m3
107-02-8	Acrolein	0.027	0.50	0.024	ppbv	J	0.062	1.1	ug/m3
107-13-1	Acrylonitrile	ND	0.50	0.015	ppbv		ND	1.1	ug/m3
107-05-1	Allyl chloride	ND	1.0	0.017	ppbv		ND	3.1	ug/m3
106-99-0	1,3-Butadiene	ND	1.0	0.014	ppbv		ND	2.2	ug/m3
71-43-2	Benzene	ND	0.50	0.0082	ppbv		ND	1.6	ug/m3
100-44-7	Benzyl Chloride	0.010	0.50	0.0043	ppbv	J	0.052	2.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	0.0097	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	0.0079	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	0.0092	ppbv		ND	1.9	ug/m3
78-93-3	2-Butanone	0.014	0.50	0.012	ppbv	J	0.041	1.5	ug/m3
104-51-8	n-Butylbenzene	ND	0.50	0.0059	ppbv		ND	2.7	ug/m3
135-98-8	sec-Butylbenzene	ND	0.50	0.010	ppbv		ND	2.7	ug/m3
75-15-0	Carbon disulfide	ND	0.50	0.0061	ppbv		ND	1.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.50	0.010	ppbv		ND	3.1	ug/m3
108-90-7	Chlorobenzene	ND	0.50	0.0089	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.50	0.013	ppbv		ND	1.3	ug/m3
67-66-3	Chloroform	ND	0.50	0.0086	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	0.014	ppbv		ND	1.0	ug/m3
110-82-7	Cyclohexane	ND	0.50	0.0096	ppbv		ND	1.7	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	0.0072	ppbv		ND	4.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.50	0.0085	ppbv		ND	2.0	ug/m3
75-35-4	1,1-Dichloroethene	ND	0.50	0.0074	ppbv		ND	2.0	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	0.0083	ppbv		ND	3.8	ug/m3
557-91-5	1,1-Dibromoethane	ND	0.50	0.0099	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.50	0.0084	ppbv		ND	2.0	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	0.0079	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	0.0070	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	0.011	ppbv		ND	2.5	ug/m3
156-60-5	trans-1,2-Dichloroethene	ND	0.50	0.010	ppbv		ND	2.0	ug/m3
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.0093	ppbv		ND	2.0	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.0057	ppbv		ND	2.3	ug/m3
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.0083	ppbv		ND	3.0	ug/m3
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.0078	ppbv		ND	3.0	ug/m3
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.0088	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.010	ppbv		ND	2.3	ug/m3

Method Blank Summary

Page 2 of 3

Job Number: TD87378
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A2220-MB	1A2312240.D	1	12/18/23	KS	n/a	n/a	V1A2220

The QC reported here applies to the following samples:

Method: TO-15

TD87378-1, TD87378-2, TD87378-3

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-14-2	1,2-Dichlorotetrafluoroethane	ND	0.50	0.010	ppbv		ND	3.5	ug/m3
108-20-3	Di-Isopropyl ether	ND	1.0	0.0079	ppbv		ND	4.2	ug/m3
64-17-5	Ethanol	0.13	1.0	0.035	ppbv	J	0.24	1.9	ug/m3
100-41-4	Ethylbenzene	ND	0.50	0.0083	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	0.019	ppbv		ND	1.8	ug/m3
637-92-3	Ethyl tert-Butyl Ether	ND	1.0	0.0076	ppbv		ND	4.2	ug/m3
622-96-8	4-Ethyltoluene	ND	1.0	0.014	ppbv		ND	4.9	ug/m3
142-82-5	Heptane	ND	0.50	0.0075	ppbv		ND	2.0	ug/m3
87-68-3	Hexachloro-1,3-butadiene	ND	0.50	0.0066	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	0.0088	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	0.013	ppbv		ND	2.0	ug/m3
98-82-8	Isopropylbenzene	ND	0.50	0.0094	ppbv		ND	2.5	ug/m3
67-63-0	Isopropanol	ND	1.0	0.014	ppbv		ND	2.5	ug/m3
99-87-6	p-Isopropyltoluene	ND	0.50	0.0068	ppbv		ND	2.7	ug/m3
75-09-2	Methylene chloride	ND	0.50	0.014	ppbv		ND	1.7	ug/m3
108-10-1	4-Methyl-2-pentanone	ND	0.50	0.0079	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert-Butyl Ether	ND	0.50	0.0099	ppbv		ND	1.8	ug/m3
80-62-6	Methyl methacrylate	ND	0.50	0.0061	ppbv		ND	2.0	ug/m3
91-20-3	Naphthalene	ND	0.50	0.014	ppbv		ND	2.6	ug/m3
109-66-0	Pentane	ND	0.50	0.011	ppbv		ND	1.5	ug/m3
103-65-1	n-Propylbenzene	ND	0.50	0.0083	ppbv		ND	2.5	ug/m3
115-07-1	Propene	ND	0.50	0.080	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	0.0070	ppbv		ND	2.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.0076	ppbv		ND	3.4	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.011	ppbv		ND	2.7	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.0084	ppbv		ND	2.7	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.0096	ppbv		ND	3.7	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	0.50	0.013	ppbv		ND	3.8	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.0052	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.0064	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	0.0068	ppbv		ND	2.3	ug/m3
75-65-0	t-Butyl Alcohol	ND	1.0	0.0067	ppbv		ND	3.0	ug/m3
994-05-8	tert Amyl Methyl Ether	ND	1.0	0.0092	ppbv		ND	4.2	ug/m3
127-18-4	Tetrachloroethene	ND	0.50	0.014	ppbv		ND	3.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	0.014	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	0.0088	ppbv		ND	1.9	ug/m3

Method Blank Summary

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Job Number: TD87378
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A2220-MB	1A2312240.D	1	12/18/23	KS	n/a	n/a	V1A2220

The QC reported here applies to the following samples:

Method: TO-15

TD87378-1, TD87378-2, TD87378-3

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
79-01-6	Trichloroethene	ND	0.50	0.013	ppbv		ND	2.7	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	0.011	ppbv		ND	2.8	ug/m3
108-05-4	Vinyl acetate	ND	0.50	0.011	ppbv		ND	1.8	ug/m3
593-60-2	Vinyl Bromide	ND	0.50	0.012	ppbv		ND	2.2	ug/m3
75-01-4	Vinyl chloride	ND	0.50	0.012	ppbv		ND	1.3	ug/m3
	m,p-Xylene	ND	0.50	0.012	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	0.0054	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes, Total	ND	0.50	0.012	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries	Limits
460-00-4	4-Bromofluorobenzene	97% 65-128%

Laboratory Control Sample Summary

Page 1 of 3

Job Number: TD87378
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A2220-LCS	1A2312237.D	1	12/18/23	KS	n/a	n/a	V1A2220

The QC reported here applies to the following samples:

Method: TO-15

TD87378-1, TD87378-2, TD87378-3

CAS No.	Compound	Spike ppbv	LCS ppbv	LCS %	Limits
67-64-1	Acetone	10	8.6	86	52-151
107-02-8	Acrolein	10	10.0	100	47-166
107-13-1	Acrylonitrile	10	9.4	94	38-179
107-05-1	Allyl chloride	20	26.5	133	38-186
106-99-0	1,3-Butadiene	20	18.5	93	55-158
71-43-2	Benzene	10	10.1	101	53-148
100-44-7	Benzyl Chloride	10	10.3	103	73-151
75-27-4	Bromodichloromethane	10	9.9	99	55-151
75-25-2	Bromoform	10	10.4	104	59-165
74-83-9	Bromomethane	10	8.6	86	62-143
78-93-3	2-Butanone	10	9.4	94	63-146
104-51-8	n-Butylbenzene	10	10.9	109	63-156
135-98-8	sec-Butylbenzene	10	10.7	107	64-149
75-15-0	Carbon disulfide	10	11.0	110	38-184
56-23-5	Carbon tetrachloride	10	10.9	109	51-156
108-90-7	Chlorobenzene	10	10.2	102	62-135
75-00-3	Chloroethane	10	9.2	92	61-145
67-66-3	Chloroform	10	9.9	99	64-132
74-87-3	Chloromethane	10	10.3	103	52-149
110-82-7	Cyclohexane	10	9.9	99	61-148
124-48-1	Dibromochloromethane	10	10.3	103	67-144
75-34-3	1,1-Dichloroethane	10	9.6	96	62-128
75-35-4	1,1-Dichloroethene	10	9.4	94	55-164
106-93-4	1,2-Dibromoethane	10	9.9	99	62-145
557-91-5	1,1-Dibromoethane	10	10.6	106	50-150 ^a
107-06-2	1,2-Dichloroethane	10	9.7	97	58-143
78-87-5	1,2-Dichloropropane	10	10.1	101	45-155
123-91-1	1,4-Dioxane	10	9.9	99	36-169
75-71-8	Dichlorodifluoromethane	10	9.8	98	59-141
156-60-5	trans-1,2-Dichloroethene	10	9.8	98	66-128
156-59-2	cis-1,2-Dichloroethene	10	10	100	59-144
10061-01-5	cis-1,3-Dichloropropene	10	11.0	110	57-162
95-50-1	1,2-Dichlorobenzene	10	10.6	106	48-158
541-73-1	1,3-Dichlorobenzene	10	10.3	103	52-158
106-46-7	1,4-Dichlorobenzene	10	10.3	103	50-158
10061-02-6	trans-1,3-Dichloropropene	10	9.7	97	60-160

* = Outside of Control Limits.

Laboratory Control Sample Summary

Page 2 of 3

Job Number: TD87378
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A2220-LCS	1A2312237.D	1	12/18/23	KS	n/a	n/a	V1A2220

The QC reported here applies to the following samples:

Method: TO-15

TD87378-1, TD87378-2, TD87378-3

CAS No.	Compound	Spike ppbv	LCS ppbv	LCS %	Limits
76-14-2	1,2-Dichlorotetrafluoroethane	10	8.9	89	60-145
108-20-3	Di-Isopropyl ether	10	9.7	97	58-148
64-17-5	Ethanol	10	8.8	88	42-166
100-41-4	Ethylbenzene	10	10.6	106	61-157
141-78-6	Ethyl Acetate	10	9.7	97	61-140
637-92-3	Ethyl tert-Butyl Ether	10	10.1	101	61-146
622-96-8	4-Ethyltoluene	20	20.7	104	58-159
142-82-5	Heptane	10	9.5	95	62-149
87-68-3	Hexachloro-1,3-butadiene	10	9.9	99	26-191
110-54-3	Hexane	10	9.6	96	61-142
591-78-6	2-Hexanone	10	10.3	103	61-164
98-82-8	Isopropylbenzene	10	10.5	105	66-145
67-63-0	Isopropanol	10	9.2	92	52-153
99-87-6	p-Isopropyltoluene	10	11.1	111	62-157
75-09-2	Methylene chloride	10	9.3	93	47-159
108-10-1	4-Methyl-2-pentanone	10	9.7	97	64-150
1634-04-4	Methyl Tert-Butyl Ether	10	9.7	97	63-141
80-62-6	Methyl methacrylate	10	10.7	107	58-154
91-20-3	Naphthalene	10	12.0	120	42-184
109-66-0	Pentane	10	9.1	91	47-170
103-65-1	n-Propylbenzene	10	10.9	109	66-154
115-07-1	Propene	10	9.2	92	47-159
100-42-5	Styrene	10	11.2	112	80-164
79-34-5	1,1,2,2-Tetrachloroethane	10	10.4	104	60-140
71-55-6	1,1,1-Trichloroethane	10	10.5	105	53-150
79-00-5	1,1,2-Trichloroethane	10	10.2	102	49-151
120-82-1	1,2,4-Trichlorobenzene	10	10.8	108	17-207
76-13-1	1,1,2-Trichlorotrifluoroethane	10	10.3	103	41-181
95-63-6	1,2,4-Trimethylbenzene	10	10.8	108	54-171
108-67-8	1,3,5-Trimethylbenzene	10	10.2	102	59-155
540-84-1	2,2,4-Trimethylpentane	10	9.5	95	61-146
75-65-0	t-Butyl Alcohol	10	9.9	99	50-170
994-05-8	tert Amyl Methyl Ether	10	10.6	106	60-150
127-18-4	Tetrachloroethene	10	10.4	104	58-150
109-99-9	Tetrahydrofuran	10	10.0	100	76-131
108-88-3	Toluene	10	10.6	106	66-146

* = Outside of Control Limits.

Laboratory Control Sample Summary

Page 3 of 3

Job Number: TD87378
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A2220-LCS	1A2312237.D	1	12/18/23	KS	n/a	n/a	V1A2220

The QC reported here applies to the following samples:

Method: TO-15

TD87378-1, TD87378-2, TD87378-3

CAS No.	Compound	Spike ppbv	LCS ppbv	LCS %	Limits
79-01-6	Trichloroethene	10	9.7	97	54-150
75-69-4	Trichlorofluoromethane	10	9.5	95	48-173
108-05-4	Vinyl acetate	10	9.3	93	62-147
593-60-2	Vinyl Bromide	10	9.4	94	59-151
75-01-4	Vinyl chloride	10	9.5	95	61-142
	m,p-Xylene	20	20.9	105	45-168
95-47-6	o-Xylene	10	10.4	104	58-157
1330-20-7	Xylenes, Total	30	31.3	104	53-161

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	101%	65-128%

(a) Advisory control limits.

* = Outside of Control Limits.

Duplicate Summary

Job Number: TD87378
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
TD87363-1DUP	1A2312242.D	10	12/18/23	KS	n/a	n/a	V1A2220
TD87363-1	1A2312241.D	10	12/18/23	KS	n/a	n/a	V1A2220

The QC reported here applies to the following samples:

Method: TO-15

TD87378-1, TD87378-2, TD87378-3

CAS No.	Compound	TD87363-1 ppbv	DUP Q	ppbv	Q	RPD	Limits
67-64-1	Acetone	19.3		15.7		21	25
107-02-8	Acrolein	12.7		13.8		8	25
107-13-1	Acrylonitrile	ND		ND		nc	25
107-05-1	Allyl chloride	ND		ND		nc	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	24.6		25.4		3	25
100-44-7	Benzyl Chloride	0.14		0.17	J	19	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	1.4		1.5	J	7	25
78-93-3	2-Butanone	0.98		1.0	J	2	25
104-51-8	n-Butylbenzene	ND		ND		nc	25
135-98-8	sec-Butylbenzene	ND		ND		nc	25
75-15-0	Carbon disulfide	0.10		ND		200* ^a	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
108-90-7	Chlorobenzene	0.12		ND		200* ^a	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	0.67		0.74	J	10	25
110-82-7	Cyclohexane	19.8		20.2		2	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane	ND		ND		nc	25
557-91-5	1,1-Dibromoethane	ND		ND		nc	30 ^b
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	ND		0.12	J	200* ^a	25
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	25
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	25
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: TD87378
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
TD87363-1DUP	1A2312242.D	10	12/18/23	KS	n/a	n/a	V1A2220
TD87363-1	1A2312241.D	10	12/18/23	KS	n/a	n/a	V1A2220

The QC reported here applies to the following samples:

Method: TO-15

TD87378-1, TD87378-2, TD87378-3

CAS No.	Compound	TD87363-1 ppbv	DUP Q	ppbv	Q	RPD	Limits
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ND		nc	25
108-20-3	Di-Isopropyl ether	ND		ND		nc	25
64-17-5	Ethanol	8.0		8.4	J	5	25
100-41-4	Ethylbenzene	5.2		5.8		11	25
141-78-6	Ethyl Acetate	0.29		0.36	J	22	25
637-92-3	Ethyl tert-Butyl Ether	ND		ND		nc	25
622-96-8	4-Ethyltoluene	1.5		1.6	J	6	25
142-82-5	Heptane	39.5		41.3		4	25
87-68-3	Hexachloro-1,3-butadiene	ND		ND		nc	25
110-54-3	Hexane	103		107		4	25
591-78-6	2-Hexanone	ND		ND		nc	25
98-82-8	Isopropylbenzene	0.22		0.25	J	13	25
67-63-0	Isopropanol	42.2		44.7		6	25
99-87-6	p-Isopropyltoluene	0.092		0.10	J	8	25
75-09-2	Methylene chloride	0.19		0.22	J	15	25
108-10-1	4-Methyl-2-pentanone	ND		ND		nc	25
1634-04-4	Methyl Tert-Butyl Ether	ND		ND		nc	25
80-62-6	Methyl methacrylate	ND		ND		nc	25
91-20-3	Naphthalene	ND		ND		nc	25
109-66-0	Pentane	237	E	249	E	5	25
103-65-1	n-Propylbenzene	0.69		0.73	J	6	25
115-07-1	Propene	1.6		1.4	J	13	25
100-42-5	Styrene	0.23		0.26	J	12	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
76-13-1	1,1,2-Trichlorotrifluoroethane	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	3.4		3.9	J	14	25
108-67-8	1,3,5-Trimethylbenzene	1.7		1.9	J	11	25
540-84-1	2,2,4-Trimethylpentane	648	E	679	E	5	25
75-65-0	t-Butyl Alcohol	0.19		0.19	J	0	25
994-05-8	tert Amyl Methyl Ether	ND		ND		nc	25
127-18-4	Tetrachloroethene	ND		ND		nc	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	20.8		22.4		7	25

* = Outside of Control Limits.

Duplicate Summary

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Job Number: TD87378
Account: OHMCLEFL APTIM
Project: (Air)Crystal Cleaners

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
TD87363-1DUP	1A2312242.D	10	12/18/23	KS	n/a	n/a	V1A2220
TD87363-1	1A2312241.D	10	12/18/23	KS	n/a	n/a	V1A2220

The QC reported here applies to the following samples:

Method: TO-15

TD87378-1, TD87378-2, TD87378-3

CAS No.	Compound	TD87363-1 ppbv	DUP Q	ppbv	Q	RPD	Limits
79-01-6	Trichloroethene	ND		ND		nc	25
75-69-4	Trichlorofluoromethane	ND		ND		nc	25
108-05-4	Vinyl acetate	ND		ND		nc	25
593-60-2	Vinyl Bromide	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25
	m,p-Xylene	17.7		19.4		9	25
95-47-6	o-Xylene	8.3		9.2		10	25
1330-20-7	Xylenes, Total	26.0		28.5		9	25

CAS No.	Surrogate Recoveries	DUP	TD87363-1	Limits
460-00-4	4-Bromofluorobenzene	98%	98%	65-128%

- (a) High RPD due to sample level below Reporting Limits.
(b) Advisory control limits.

* = Outside of Control Limits.