



P.O. Box 590162
Newton Center, MA 02459
Dan@propenv.com
617-899-4722

August 29, 2022

eDEP
Massachusetts Department of Environmental Protection
Northeast Regional Office
Bureau of Waste Site Cleanup
205B Lowell Street
Wilmington, MA 01887

Re: Statement of Provisions
Release Notification Form
4 Hudson Street,
Cambridge, MA

Dear eDEP:

Property Environmental, LLC is pleased to submit electronically, the information concerning the above referenced Disposal Site:

1. eDEP authorization letter
2. "Release Notification Form" (BWSC103-120 Day), submitted via eDEP.
3. List of additional Oil and Hazardous Materials subject to reporting
4. Supporting Documents – "Limited Subsurface Investigation Report", dated August 15, 2022, prepared for the site by Property Environmental, LLC of Newton Center, MA.

Please do not hesitate to call with any questions,

Respectfully submitted,
Property Environmental, LLC

A handwritten signature in black ink, appearing to read "Dan & Jaffe", is written over a white rectangular background.

Daniel G. Jaffe (LSP #2347)
President

Statement of Provisions
Cambridge, MA





P.O. Box 590162
Newton Center, MA 02459
Dan@propenv.com
617-899-4722

August 15, 2022

Mr. Nathaniel H. Swartz, Trustee
Irving P. Swartz Credit Shelter Trust
c/o Bruce L. Dove, Esquire
3 Overlook Way
Winchester, MA 01890

Re: eDEP Agent for Authorization
4 Hudson Street,
Cambridge, MA

Dear Mr. Swartz:

The signing of this letter by you, as the Authorized Agent of the Irving P. Swartz Credit Shelter Trust, the Owner and/or Operator of the above mentioned property and the "Potentially Responsible Party" (PRP) for the releases at the Disposal Site, authorizes Daniel G. Jaffe as a Licensed Site Professional (LSP) on behalf of Property Environmental, LLC to submit the MassDEP submittals via eDEP regarding the releases at the above mentioned site.

Sincerely,
Property Environmental, LLC.

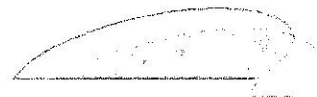
Daniel Jaffe
President

Accepted by:
Irving P. Swartz Credit Shelter Trust

By:
Mr. Nathaniel H. Swartz, TRUSTEE

Date: 8/25/2022

eDEP Authorization
Cambridge, MA



List of Additional Oil and Hazardous Materials Subject to Reporting

O or HM Released	CAS #	O or HM	Concentration	Units	RC's Exceeded
Naphthalene	91-20-3	HM	4.8	mg/kg	RCS-1
cis-1,2-Dichloroethylene	156-59-2	HM	28,000	µg/l	RCGW-2
Trichloroethylene	79-01-6	HM	11,000	µg/l	RCGW-2
Tetrachloroethylene	127-18-4	HM	66,000	µg/l	RCGW-2
Vinyl Chloride	75-01-4	HM	11,000	µg/l	RCGW-2
trans-1,2-Dichloroethene	156-60-5	HM	230	µg/l	RCGW-2

Limited Subsurface Investigation

4 Hudson Street, Cambridge, MA

Prepared for:

Mr. Nathaniel H. Swartz, Trustee
Irving P. Swartz Credit Shelter Trust
205 West Vinegar Valley Road
Friendsville, TN 37737



Prepared by:

Property Environmental, LLC
P.O. Box 590162
Newton Center, MA 02459

Project No. 22-06-97

August 15, 2022





P.O. Box 590162
Newton Center, MA 02459
Dan@propenv.com
617-899-4722

August 15, 2022

Mr. Nathaniel H. Swartz, Trustee
Irving P. Swartz Credit Shelter Trust
205 West Vinegar Valley Road
Friendsville, TN 37737

Re: Phase II Limited Subsurface Investigation
4 Hudson Street
Cambridge, MA
Project No. 22-06-97

Dear Mr. Swartz:

In accordance with our proposal dated June 27, 2022, Property Environmental, LLC is pleased to submit this Phase II Limited Subsurface Investigation (LSI) for the above referenced site. This investigation was conducted in order to address the potential on-site and threat of contamination consisting of the site's historic use as a dry cleaner since at least 1950.

SECTION 1 – Site Information

The subject site addressed by this subsurface investigation consists of the western portion of a 5,750-square foot parcel of land located at the corner of Massachusetts Avenue and Hudson Street in the city of Cambridge, MA. The property is occupied by a one-story brick building, which contains a vacant unit at 4 Hudson Street (i.e. the subject site); a barber shop (Floyd's Barber Shop) in the northeast corner of the building (1672 Massachusetts Avenue); and a restaurant (Wrapro Falafel & Grille) in the southwestern unit at 1670 Massachusetts Avenue.

The subject site at 4 Hudson Street is abutted to the north by Hudson Street, and the area located further to the north is occupied by a dwelling at 1 Bowdoin Street and a vacant store at 1674 Massachusetts Avenue. The site is abutted to the west by a single-family dwelling at 10 Hudson Street and to the southwest by a five-unit residential condominium building at 3 Shepard Street. The site is abutted to the south by a multi-tenant commercial building at 1664 Massachusetts Avenue, with current tenants consisting of a coffee shop (Starbucks) at 1662 Massachusetts Avenue; and a wine store (Harvard Wine Company)" at 1664 Massachusetts Avenue.

Phase II Limited Subsurface Investigation
Cambridge, MA

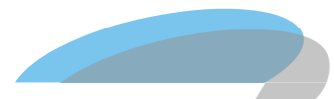


Figure 1 in **Attachment A** depicts the location of the Site on the Boston North USGS Topographic Quadrangle; Figure 2 depicts the site on the Cambridge Assessor's Map; and Figure 3 depicts the site on the MassGIS map.

Information regarding the site was obtained from a "Phase 1 Environmental Site Assessment" report dated September 17, 2017, prepared by GZA GeoEnvironmental, Inc. of Norwood, MA; a "Soil Gas Sampling Results" report dated November 9, 2020, also by GZA; and an "Indoor Air Samples Results" report dated February 12, 2021 by GZA.

According to GZA "the property is improved with a one-story, three-tenant, brick-faced, and wood-sided building with a basement", which covers the majority of the 5,750-squarefoot property", and an unpaved area is located adjacent to the building's west side.

GZA's Phase 1 report identified a "Recognized Environmental Condition" (REC) at the site, which consisted of the fact that "the Site has historically been used for clothes 'cleaning and pressing' since the 1950's, and dry cleaning has been conducted on-Site since the 1960's" and accordingly, "it is possible that dry cleaning solvents may have been released to the interior or exterior property building."

The dry cleaner was active at the time of GZA's 2017 investigation, however, a Google Street View captured in July of 2018 indicated a "Leasing" sign on the building, and it appears to be vacant.

In order to address the REC, GZA prepared a "Soil-Gas Sampling Results" report dated November 9, 2020; and an "Indoor Air Sampling Results" report dated February 12, 2021, which are summarized in the following Section 2.

SECTION 2 – Previous Soil-Gas Survey & Indoor Air Testing

On October 15, 2020, GZA personnel installed five soil-gas probes (SG-1 through SG-5) beneath the basement slab, and one soil gas probe on the exterior of the property (SG-6). Soil-gas samples collected from each probe were submitted for laboratory analysis of Volatile Organic Compounds (VOC's) via TO-15 Methodology.

According to GZA, the results of this testing program revealed that "several chlorinated volatile organic compounds (CVOC's), specifically those related to dry cleaning chemicals, were detected in the soil gas samples at concentrations above their respective Residential and/or Commercial/Industrial SSGSVs. Some results were 2 to 3 orders of magnitude greater than the applicable screening values."

GZA noted that the most elevated concentrations were detected at soil gas probe SG-1, located adjacent to the shared eastern wall of the Site building. According to GZA, MassDEP guidance indicates that soil-gas concentrations exceeding applicable SSGSV's are considered "likely to discharge vapors to the structure." A summary of the findings of GZA's sub-slab soil-gas testing program is shown in the following Table 1:



Table 1
Summary of October 2020 Soil-Gas Testing

Sample Location	SG-1	SG-2	SG-3	SG-4	SG-5	SG-6	SSGSV
CVOC's ($\mu\text{g}/\text{m}^3$)							
cis-1,2-Dichloroethylene	110,000	4,200	1,300	370	38	7.9	370
Trans-1,2-Dichloroethene	1,400	160	39	3.7	7.9	7.9	3,700
Trichloroethylene	13,000	3,400	390	250	88	5.2	120
Tetrachloroethylene	13,000	25,000	1,600	1,500	800	71	290
Notes: SSGSV = Commercial/Industrial (c/i)Sub-Slab Soil Gas Screening Values - MassDEP Vapor Intrusion Guidance, Policy WSC#-16-435 Bold = Exceeds SSGSVc/i threshold values							

As shown in the above Table 1, significantly elevated levels of several CVOC's were detected in the sub-slab soil-gas at the site, at five of the six sampling locations. Based on these results, GZA recommended that indoor air sampling be conducted within the Site building.

It is noted that soil gas point SG-6 is located at the western end of the building, closest to the abutting dwelling at 10 Hudson Street, and contaminant levels at that location are also below the Residential Sub-Slab Screening Values of $56 \mu\text{g}/\text{m}^3$ for cis- and trans-1,2-DCE, $28 \mu\text{g}/\text{m}^3$ for TCE and $98 \mu\text{g}/\text{m}^3$ for PCE.

In response to the recommendation of indoor air testing, on January 11, 2021, GZA collected indoor air samples from the first floor and basement of the site building at 4 Hudson Street; one also collected an exterior ambient air sample (4 Hudson AA) "to assess background concentrations." GZA stated that the samples were collected over an 8-hour period with facility doors and windows closed to reflect conservative conditions, and the sample were submitted for laboratory analysis of VOCs via EPA Method TO-15.

It is noted that the text of GZA's report lists testing locations as from "the first floor (designated 4 Hudson Basement) and basement (designated 4 Hudson 1st Floor) at the Site located at 4 Hudson Street." It is presumed that this is a clerical error, and the first floor sample is designated "4 Hudson 1st Floor" and the basement sample is designated "4 Hudson Basement."

According to GZA, the results of the indoor air testing program indicated "one analyte, Tetrachloroethylene (PCE) was detected in the two indoor air samples at concentrations at or slightly above its Commercial/Industrial Threshold Value" and that "the indoor air testing results indicate that there is a potential vapor intrusion pathway under current conditions." However, GZA stated that their "preliminary evaluation of the data indicates that these results do not present an Imminent Hazard as defined by the Massachusetts Contingency Plan" and also that their "preliminary assessment indicates that the results would present a Condition of No Significant Risk under the MCP to industrial/commercial workers inside the building." A summary of the findings of GZA's indoor air testing program is shown in the following Table 2:



Table 2
Summary of January 2021 Indoor Air Testing

Sample Location	Basement	1st Floor	Ambient	TVc/i
CVOC's (µg/m³)				
Trichloroethylene	0.49	0.48	1.1	1.8
Tetrachloroethylene	4.1	6.1	1.4	4.1
Notes: TVc/i = Commercial/Industrial Indoor Air Threshold Values - MassDEP Vapor Intrusion Guidance, Bold = Meets or exceeds TVc/i threshold values				

With regard to the results of the indoor air testing program, GZA determined: “the presence of the noted contaminants in indoor air within the building may be related to subsurface contamination or residual contaminants within the building associated with the former dry-cleaning operation. While a potential vapor intrusion pathway exists under current conditions, the analytical results from GZA’s recent sampling do not trigger a MassDEP reporting requirement under the MCP. GZA notes that contaminant concentrations in indoor air related to sub-slab contamination can be highly variable subject to changing building conditions (e.g., barometric pressure, temperature, and other weather conditions; heating, ventilation, and air conditioning (HVAC) changes, and other factors).”

GZA recommended installation of a sub-slab depressurization system (SSDS) in the building to mitigate potential vapor intrusion, followed by post-installation indoor air monitoring to assess system efficacy and/or confounding sources. Pilot testing prior to SSDS installation should be conducted to better inform system design.

SECTION 3 – Subsurface Exploration

On July 21, 2022, Property Environmental, LLC supervised the advancement of five soil borings throughout the basement beneath the western section of the site building at 4 Hudson Street in order to assess subsurface conditions. Four of the five borings were completed as groundwater monitoring wells and are referred to as B-1/MW through B-4/MW; and boring B-5 encountered refusal prior to reaching groundwater, and as such a monitoring well was not installed. During soil boring advancement, groundwater was observed at approximately 4 feet below the basement floor

The following Table 3 summarizes the location/rationale for each test boring/monitoring well. Testing locations were chosen to address potential on-site and off-site threats of contamination, which were previously discussed; and were also based on site topography and presumed groundwater flow direction; the location of the site structure; and the location of underground utilities. Refer Figure 4 in **Attachment “A”** for a Site Plan depicting test boring locations and other site features.



Table 3
Testing Locations Rationale

ID#	Location	Rationale
B-1/MW	Southeastern corner of the basement	Approximate location of the highest level of DCE detected in soil-gas (SG-1)
B-2/MW	Northeastern corner of the basement	Approximate location of the highest level of PCE detected in soil-gas (SG-2)
B-3/MW	Center of the basement	To provide coverage of the center of the building.
B-4/MW	Southwestern corner of the basement	Closest to the southwesterly abutting residential building at 3 Shepard Street
B-5 (no well)	Northwestern corner of the basement	Closest to the adjoining dwelling at 10 Hudson Street

The test borings were advanced by Bronson Drilling of Winchester, MA utilizing a hand-held, percussion hammer driving system (Geoprobe Limited Access Equipment). Well sections were connected with a flush threaded joint; no solvents or cements were used in well construction; and the well screen slot size is 0.010". The well screens were backfilled with washed silica sand and a bentonite pellet seal was placed above the well screen. A split spoon sampler was utilized to collect samples at two foot depths, and all sampling equipment was then decontaminated with clean water and detergent prior to the collection of the next sample. Each sample removed from the split-spoon sampler was placed into pre-cleaned 8 oz. jars for headspace screening. Test boring logs are included in **Attachment "B"** of this report.

Soil samples were obtained from all five boring locations and geologic descriptions of site soils were logged (see **Attachment B** for Test Boring Logs). Soil samples collected from each boring were field screened for evidence of potential contamination utilizing olfactory, visual, and jar head space techniques. Jar headspace screening was conducted with an Ion Science Tiger LT photoionization detector (PID) equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene reference standard. The following Table 4 is a summary of the findings of the soil sample screening program:



Table 4
Summary of Soil Screening

Sample ID #	Sample Depth (ft.)	Evidence of Contamination			
		PID (ppmv)	Visual	Olfactory	Laboratory
B-1/MW	0-2	0.8	No	No	N/A
	2-4	4.7	No	No	N/A
	4-6	247	No	Yes	Table 5
B-2/MW	0-2	0.0	No	No	N/A
	2-4	1.8	No	No	N/A
	4-6	4.8	No	Slight	Table 5
B-3/MW	0-2	1.2	No	No	N/A
	2-4	6.7	No	No	N/A
	4-6	340	No	Yes	Table 5
B-4/MW	0-2	0.4	No	No	N/A
	2-4	5.0	No	No	N/A
	4-6	88	No	Slight	Table 5
B-5	0-2	0.9	No	No	N/A
	2-4	1.1	No	No	N/A
	4-4.5	1.2	No	No	Table 5

As shown in the above Table 4, field screening of soil samples reveal evidence of potential contamination in samples collected from four of the five test borings (B-1 through B-4) installed at the site, and refusal was encountered at the remaining boring (B-5). Due to the elevated screening results, soil samples collected from each boring were submitted for laboratory testing for VOC's via EPA Method 8260, as discussed in the following Section 4.

SECTION 4 – Soil and Groundwater Sampling & Analysis

In order to address the historic use of the site as a dry cleaner and further investigate the elevated levels of CVOC's detected in soil-gas and indoor air during previous studies, the soil sample displaying the highest headspace screening result from each test boring was submitted to Phoenix Environmental Laboratories, Inc. of Manchester, CT for laboratory analysis for Volatile Organic Compounds (VOC's) via EPA Method 8260.

The results of the soil sampling and analysis program are summarized in the following Table 5; and laboratory reports are included in **Attachment C** of this report.

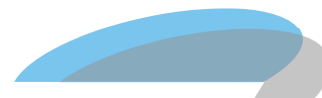


Table 5
Summary of Soil Testing Results

Boring ID:	B-1	B-2	B-3	B-4	B-5	RCS-1
Sample Depth (feet):	4-6	4-6	4-6	4-6	4-5	N/A
Headspace VOC's:	247	4.8	340	88	1.2	
VOC's (µg/kg):						
cis-1,2-Dichloroethylene	31,000	15,000	45,000	2,800	<4.8	100
Trichloroethylene	360,000	2,600	180,000	13,000	<4.8	300
Tetrachloroethylene	6,300,000	86,000	2,500,000	420,000	<4.8	1,000
Vinyl Chloride	1,300	<390	3,900	<700	<4.8	700
Naphthalene	<4,000	<390	4,800	<710	<4.8	4,000
1,2,4-Trimethylbenzene	7,100	610	6,400	1,900	<4.8	1M
2-Isopropyltoluene	<7,100	300	<6,700	390	<4.8	N/A
1,3,5-Trimethylbenzene	3,200	<390	<6,700	740	<4.8	10,000
n-Butylbenzene	<7,100	2,700	<6,700	800	<4.8	N/A
n-Propylbenzene	<7,100	310	<6,700	660	<4.8	100,000
p-Isopropyltoluene	<7,100	620	<6,700	320	<4.8	100,000
sec-Butylbenzene	<7,100	1,800	<6,700	670	<4.8	N/A
Notes: RCS-1 = Reportable Concentration, Soil Category S-1						
Bold = Exceeds RCS-1 Standards						

Pursuant to 310 CMR 40.0361(1)(a)(1), for reporting purposes, the soil at the site is classified as RCS-1, since it is located "at or within 500 feet of a residential dwelling, a residentially-zoned property, school, playground, recreational area or park."

As shown in the above Table 5, the levels of cis-1,2-Dichloroethylene (DCE), Trichloroethylene (TCE), Tetrachloroethylene (PCE), Vinyl Chloride, and Naphthalene exceed the applicable Reportable Concentrations (RCS-1). Therefore, a 120-Day notification condition has been identified pursuant to 310 CMR 40.0315(1).

On August 4, 2022 groundwater samples were obtained from the four newly installed monitoring wells (B-1/MW through B-4/MW). The samples were collected by EnviroPike, LLC of Spencer, MA utilizing a low-flow, low-stress methodology via a peristaltic pump at B-1/MW; and a bailer at the remaining monitoring wells due to insufficient groundwater. The groundwater samples were preserved according to EPA guidelines published in 40 CMR 136 and forwarded to Phoenix Environmental Laboratories, Inc. of Manchester, CT for the laboratory analysis of Volatile Organic Compounds (VOC's) via EPA Method 8260 in order to address the presence of Chlorinated Volatile Organic Compounds (CVOC's).

The results of the groundwater sampling and analysis program are summarized in the following Table 6; and laboratory reports are included in **Attachment "C"** of this report.



Table 6
Summary of Groundwater Testing Results

Well ID:	B-1/MW	B-2/MW	B-3/MW	B-4/MW	RCGW-2
Depth to GW (feet):	3.71	3.80	3.76	3.82	N/A
Well Depth (feet):	5.76	4.75	4.63	4.74	
NAPL/Odor/Sheen:	None	None	None	None	
VOC's (µg/l):					
cis-1,2-Dichloroethylene	28,000	12,000	16,000	290	100
Trichloroethylene	11,000	1,900	4,300	140	5
Tetrachloroethylene	66,000	28,000	7,300	2,900	50
Vinyl Chloride	4,800	400	11,000	150	2
1,2,4-Trimethylbenzene	140	<400	65	<20	100,000
trans-1,2-Dichloroethene	200	<100	230	<20	80
1,1-Dichloroethene	<80	<100	23	<20	80
o-Xylene	<100	<400	37	<20	3,000
Notes: RCGW-2 = Reportable Concentration, Groundwater Category GW-2 Bold = Exceeds RCGW-2 Standards					

For reporting purposes and pursuant to 310 CMR 40.0362, the groundwater at the site is classified as RCGW-2 since the site is not located within a Current or Potential Drinking Water Source Area. According to 310 CMR 40.0006, a Current Drinking Water Source Area is defined as groundwater located: (a) within the Zone II for a public water supply; (b) within the Interim Wellhead Protection Area for a public water supply; (c) within the Zone A of a Class A surface water body used as a public water supply; or (d) within 500 feet of a private water supply well. A Potential Drinking Water Source Areas is defined as groundwater located: (a) 500 feet or more from a public water supply distribution pipeline; (b) within an area designated by a municipality specifically for the protection of groundwater quality to ensure its availability for use as a source of potable water supply; or (c) within a Potentially Productive Aquifer that has not been excluded as a Non-Potential Drinking Water Source Area, as defined by the MCP.

As shown in Table 6, the levels of cis-1,2-Dichloroethylene (DCE), Trichloroethylene (TCE), Tetrachloroethylene (PCE), Vinyl Chloride, and trans-1,2-Dichloroethene exceed the applicable Reportable Concentrations (RCGW-2). Therefore, a 120-Day notification condition has been identified pursuant to 310 CMR 40.0315(1).

With regard to the potential for a 72-Hour notification associated with Substantial Release Migration (SRM), of primary concern were those conditions identified in 40.0313(4)(f) involving "releases to the groundwater or to the vadose zone that have resulted or have the potential to result in the discharge of vapors into a School, Daycare or Child Care Center or occupied Residential Dwelling." Specifically 40.0313(4)(f)(2) states that conditions that indicate a potential discharge of vapors into a School, Daycare or Child Care Center or occupied Residential Dwelling include "one or more volatile organic compound in the groundwater exceed the applicable Groundwater Category GW-2 Standard within 30 feet of the structure, and the average annual depth to groundwater in that area is 15 feet or less."



However, no schools, daycares, or child care centers were identified within 500 feet of the site; the remainder of the site building to the east of the former dry cleaner (1670-1672 Massachusetts Avenue) is utilized for commercial purposes (restaurant and barber shop); and the southerly abutting building at 1664-1668 Massachusetts Avenue is also utilized for commercial purposes. The abutting dwellings to the west and southwest of the site at 18 Hudson Street and 3 Shepard Street, respectively, are both located over 30 feet from the site, at presumed cross-gradient locations, with paved driveways present between the subject site and the residential structures at these properties. It is also noted that as previously discussed in Section 2, contaminant levels detected in sub-slab soil-gas samples collected from the western end of the site were below Residential Sub-Slab Screening Values.

Therefore, conditions defining a SRM and triggering a 72-Hour notification condition have not been identified during this investigation. However, due to the elevated levels of CVOC's detected in the groundwater at the site, it is recommended that future assessment activities address the potential for a SRM at the abutting residential properties.

Please note that the cross gradient location of the westerly abutting residences is based on the estimated groundwater flow direction at the site to be to the south, toward the nearby Charles River, and consistent with a groundwater flow direction determined directly to the east of the site across Massachusetts Avenue as part of the response actions associated with RTN 3-27838 at 1663 Massachusetts Avenue.

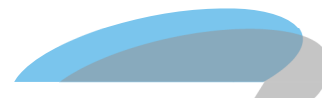
SECTION 5 – Conclusions

As previously discussed, a Phase 1 Environmental Site Assessment" report dated September 17, 2017, prepared by GZA GeoEnvironmental, Inc. noted that "the Site has historically been used for clothes 'cleaning and pressing' since the 1950's, and dry cleaning has been conducted on-Site since the 1960's", which was identified a Recognized Environmental Condition (REC).

A sub-slab soil-gas sampling and analysis program conducted by GZA to address this REC identified the presence of elevated levels of chlorinated volatile organic compounds (CVOC's) "related to dry cleaning chemicals" with some results detected at "2 to 3 orders of magnitude greater than the applicable screening values."

An indoor air sampling and analysis program conducted by GZA identified the presence of PCE above its Commercial/Industrial Threshold Value, which indicated that a potential vapor intrusion pathway exists, and recommended the installation of a sub-slab depressurization system (SSDS) in the building to mitigate potential vapor intrusion.

In order to supplement previous soil-gas and indoor air testing programs performed by GZA and to determine the current condition of soil and groundwater at the site, a subsurface soil/groundwater sampling and analysis program was performed at the site, which consisted of the advancement of five (5) test borings (B-1 through B-5) with monitoring wells installed in four of the five borings (B-1/MW through B-4/MW). The



program also included soil sample screening of soil samples collected from the test borings, and laboratory analysis of soil and groundwater samples.

As detailed in this report, the results of the soil and groundwater testing revealed the presence of cis-1,2-Dichloroethylene, Trichloroethylene, Tetrachloroethylene (PCE), and Vinyl Chloride at levels exceeding the applicable Reportable Concentrations in soil (RCS-1) and groundwater (RCGW-2). In addition, the levels of Naphthalene in one soil sample (B-3) and trans-1,2-Dichloroethene in one groundwater sample (B-3/MW) also exceeded the applicable Reportable Concentrations (RC's.)

Therefore, a 120-Day notification condition has been identified pursuant to 310 CMR 40.0315(1), which is defined as "a release to the environment indicated by the measurement of one or more hazardous materials in soil or groundwater in an amount equal to or greater than the applicable Reportable Concentration described in 310 CMR 40.0360 through 40.0369 and listed at 310 CMR 40.1600."

Pursuant to 310 CMR 40.0333(2), the DEP should be notified of this 120-Day reporting condition by submitting a completed Release Notification Form (BWSC103) to the DEP's Northeast Regional Office (NERO).

It is noted that although conditions meeting the definition of a SRM and triggering a 72-Hour notification condition have not been identified during this investigation, the potential for a SRM (or any other 2-Hour or 72-Hour notification conditions) should be considered in future assessment activities conducted at the site. Finally, as previously noted, GZA recommended the installation of a sub-slab depressurization system (SSDS) in the building to mitigate potential vapor intrusion. The SSDS should be installed and its efficacy confirmed prior to any occupancy of the currently vacant former dry cleaning unit.

Property Environmental, LLC is pleased to have been of service to you, and should you have any questions regarding this report, please do not hesitate to contact our office.

Sincerely,
Property Environmental, LLC.



Daniel G. Jaffe
President

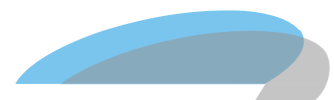


SECTION 6 ATTACHMENTS



Attachment “A”

Maps





**USGS BOSTON NORTH
QUADRANGLE**

**4 HUDSON STREET
CAMBRIDGE, MA**



MassDEP - Bureau of Waste Site Cleanup

Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii

Site Information:

4 HUDSON STREET CAMBRIDGE, MA

NAD83 UTM Meters:

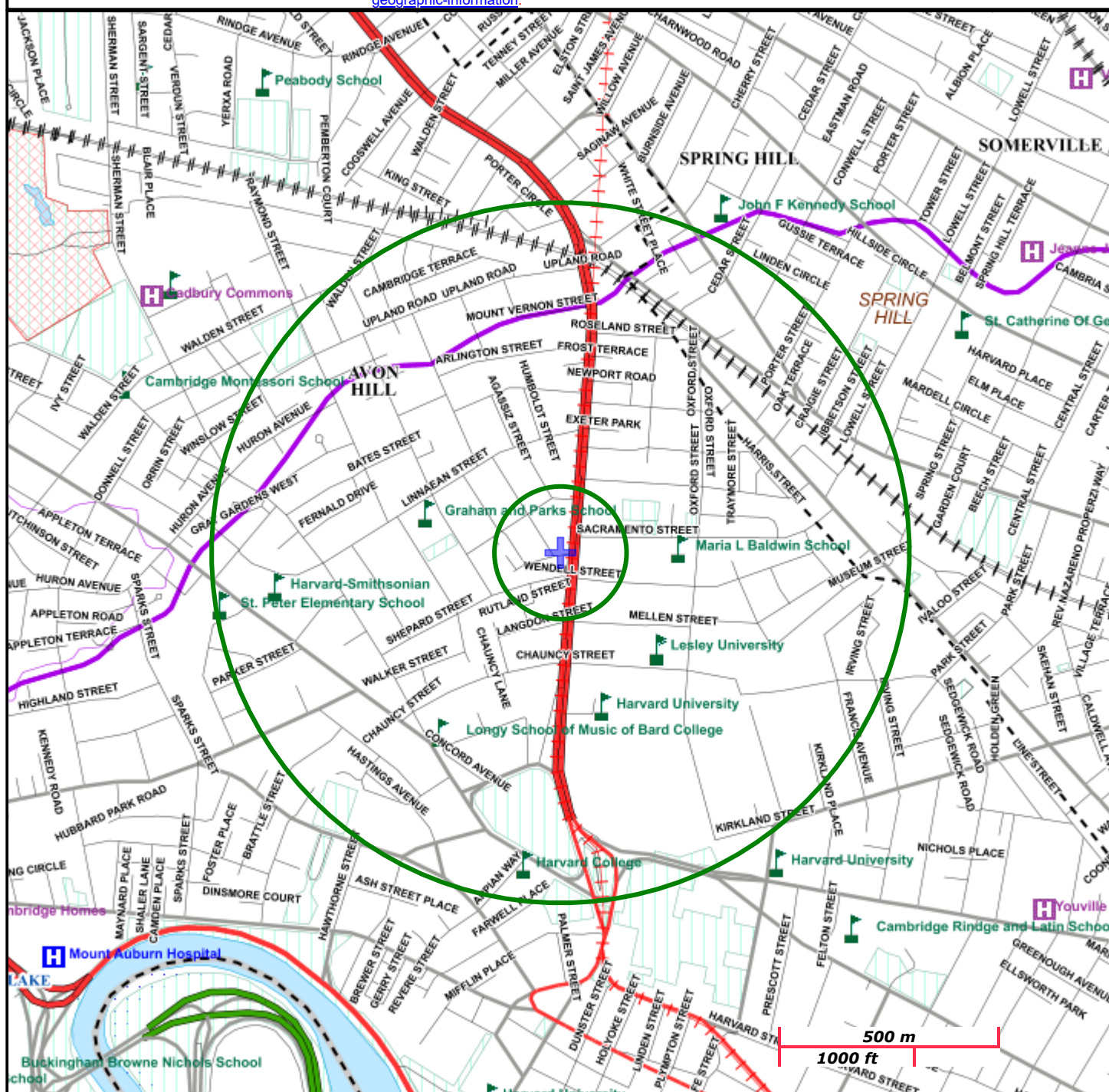
4694396mN , 325473mE (Zone: 19)
August 12, 2022

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at:
<https://www.mass.gov/orgs/massgis-bureau-of-geographic-information>.



MassDEP

Commonwealth of Massachusetts
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam

Aquifers: Medium Yield, High Yield, EPA Sole Source

Non Potential Drinking Water Source Area: Medium, High (Yield)

PWS Protection Areas: Zone II, IWPA, Zone A

Hydrography: Open Water, PWS Reservoir, Tidal Flat

Wetlands: Freshwater, Saltwater, Cranberry Bog

FEMA 100yr Floodplain; Protected Open Space; ACEC

NHESP Pri-Hab of Rare Species; Vernal Pool: Cert., Potential

Solid Waste Landfill; PWS: Com. GW, SW, Emerg., Non-Com.



-  = Test boring/Monitor Well
-  = Test Boring

FIGURE 4:
**SOIL &
GROUNDWATER
SAMPLING
LOCATIONS**



Attachment B

Test Boring Logs



TEST BORING LOG							(page 1 of 5)
				Project 22-06-97 4 Hudson Street Cambridge, MA		Boring ID: B-1/MW	
Date Started: 7/21/2022			Field Geologist: Molly Shoup			Drilling Contractor: Bronson Drilling	
Date Finished: 7/21/2022			Project Manager: Daniel Jaffe				
Depth (feet)	Casing bl/ft	Sample				Strata	Visual Identification of Soil and/or Rock Sample
		No.	PID	Depth	Blows/6"		
0		1	0.0	0'0"-2'0"			Coarse to medium grained sand
2		2	4.7	2'0"-4'0"			Fine grained sand and silt
4		3	247	4' 0" – 6' 0"			Wet silt and clay; solvent odor
6							End of probe at 6' 0". Groundwater encountered at approx. 4'0".
8							
10							
12							
Rig: Hand held percussion hammer driving system (Geoprobe Limited Access Equipment) Sampling Equipment: 1 ³ / ₈ " diameter stainless-steel sampling tube w/ disposable plastic liner.							
Cohesionless: 0-4 = Very Loose; 4-10 = Loose; 10-30 = Medium Dense; 30-50 = Dense; 50+ = Very Dense Cohesive: 0-2 = Very Soft; 2-4 = Soft; 4-8 = Medium Stiff; 8-15 = Stiff; 15-30 = Very Stiff; 30+ = Hard						Trace: 0% – 10% Little: 10% – 20% Some: 20% – 35% And: 35% – 50%	

TEST BORING LOG							(page 2 of 5)
				Project 22-06-97 4 Hudson Street Cambridge, MA		Boring ID: B-2/MW	
Date Started: 7/21/2022			Field Geologist: Molly Shoup			Drilling Contractor: Bronson Drilling	
Date Finished: 7/21/2022			Project Manager: Daniel Jaffe				
Depth (feet)	Casing bl/ft	Sample				Strata	Visual Identification of Soil and/or Rock Sample
		No.	PID	Depth	Blows/6"		
0		1	0.0	0'0"-2'0"			Coarse to medium grained sand
2		2	1.8	2'0"-4'0"			Fine grained sand and silt
4		3	4.8	4'0"-6'0"			Wet silt and clay; slight odor
6							End of probe at 6' 0". Groundwater encountered at approx. 4'0". 1" diameter monitoring well
8							
10							
12							
Rig: Hand held percussion hammer driving system (Geoprobe Limited Access Equipment) Sampling Equipment: 1 ³ / ₈ " diameter stainless-steel sampling tube w/ disposable plastic liner.							
Cohesionless: 0-4 = Very Loose; 4-10 = Loose; 10-30 = Medium Dense; 30-50 = Dense; 50+ = Very Dense Cohesive: 0-2 = Very Soft; 2-4 = Soft; 4-8 = Medium Stiff; 8-15 = Stiff; 15-30 = Very Stiff; 30+ = Hard						Trace: 0% – 10% Little: 10% – 20% Some: 20% – 35% And: 35% – 50%	

TEST BORING LOG							(page 3 of 5)
				Project #22-06-97 4 Hudson Street Cambridge, MA		Boring ID: B-3/MW	
Date Started: 7/21/2022			Field Geologist: Molly Shoup			Drilling Contractor: Bronson Drilling	
Date Finished: 7/21/2022			Project Manager: Daniel Jaffe				
Depth (feet)	Casing bl/ft	Sample				Strata	Visual Identification of Soil and/or Rock Sample
		No.	PID	Depth	Blows/6"		
0		1	1.2	0'0"-2'0"			Coarse to medium grained sand
2		2	6.7	2'0"-4'0"			Fine grained sand and silt
4		3	340	4'0"-6'0"			Wet silt and clay; solvent odor
6							End of probe at 6' 0". Groundwater encountered at approx. 4'0". 1" diameter monitoring well
8							
10							
12							
Rig: Hand held percussion hammer driving system (Geoprobe Limited Access Equipment) Sampling Equipment: 1 ³ / ₈ " diameter stainless-steel sampling tube w/ disposable plastic liner.							
Cohesionless: 0-4 = Very Loose; 4-10 = Loose; 10-30 = Medium Dense; 30-50 = Dense; 50+ = Very Dense Cohesive: 0-2 = Very Soft; 2-4 = Soft; 4-8 = Medium Stiff; 8-15 = Stiff; 15-30 = Very Stiff; 30+ = Hard						Trace: 0% – 10% Little: 10% – 20% Some: 20% – 35% And: 35% – 50%	

TEST BORING LOG							(page 4 of 5)
				Project #22-06-97 4 Hudson Street Cambridge, MA		Boring ID: B-4/MW	
Date Started: 7/21/2022			Field Geologist: Molly Shoup			Drilling Contractor: Bronson Drilling	
Date Finished: 7/21/2022			Project Manager: Daniel Jaffe				
Depth (feet)	Casing bl/ft	Sample				Strata	Visual Identification of Soil and/or Rock Sample
		No.	PID	Depth	Blows/6"		
0		1	0.4	0'0"-2'0"			Coarse to medium grained sand
2		2	5.0	2'0"-4'0"			Fine grained sand and silt
4		3	88	4'0"-6'0"			Wet silt and clay; slight solvent odor
6							End of probe at 6' 0". Groundwater encountered at approx. 4'0". 1" diameter monitoring well
8							
10							
12							
Rig: Hand held percussion hammer driving system (Geoprobe Limited Access Equipment) Sampling Equipment: 1 ^{3/8} " diameter stainless-steel sampling tube w/ disposable plastic liner.							
Cohesionless: 0-4 = Very Loose; 4-10 = Loose; 10-30 = Medium Dense; 30-50 = Dense; 50+ = Very Dense Cohesive: 0-2 = Very Soft; 2-4 = Soft; 4-8 = Medium Stiff; 8-15 = Stiff; 15-30 = Very Stiff; 30+ = Hard						Trace: 0% – 10% Little: 10% – 20% Some: 20% – 35% And: 35% – 50%	

TEST BORING LOG							(page 5 of 5)
				Project #22-06-97 4 Hudson Street Cambridge, MA		Boring ID: B-5	
Date Started: 7/21/2022			Field Geologist: Molly Shoup			Drilling Contractor: Bronson Drilling	
Date Finished: 7/21/2022			Project Manager: Daniel Jaffe				
Depth (feet)	Casing bl/ft	Sample				Strata	Visual Identification of Soil and/or Rock Sample
		No.	PID	Depth	Blows/6"		
0		1	0.0	0'0"-2'0"			Coarse to medium grained sand
2		2	4.7	2'0"-4'0"			Fine grained sand and silt
4		3	247	4'0"-4'6"			Wet silt and clay; no odor detected Refusal encountered 4.5'
6							End of probe at 4' 6". Groundwater encountered at approx. 4'0". No well installed
8							
10							
12							
Rig: Hand held percussion hammer driving system (Geoprobe Limited Access Equipment) Sampling Equipment: 1 ³ / ₈ " diameter stainless-steel sampling tube w/ disposable plastic liner.							
Cohesionless: 0-4 = Very Loose; 4-10 = Loose; 10-30 = Medium Dense; 30-50 = Dense; 50+ = Very Dense Cohesive: 0-2 = Very Soft; 2-4 = Soft; 4-8 = Medium Stiff; 8-15 = Stiff; 15-30 = Very Stiff; 30+ = Hard						Trace: 0% – 10% Little: 10% – 20% Some: 20% – 35% And: 35% – 50%	

Attachment C
Laboratory Reports





Friday, August 05, 2022

Attn: Mr Daniel Jaffe
Property Environmental LLC
PO Box 590162
Newtown Centere, MA 02459

Project ID: HUDSON STREET
SDG ID: GCL85562
Sample ID#s: CL85562 - CL85566

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

August 05, 2022

SDG I.D.: GCL85562

Project ID: HUDSON STREET

Client Id	Lab Id	Matrix
B-1	CL85562	SOIL
B-2	CL85563	SOIL
B-3	CL85564	SOIL
B-4	CL85565	SOIL
B-5	CL85566	SOIL



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 05, 2022

FOR: Attn: Mr Daniel Jaffe
Property Environmental LLC
PO Box 590162
Newtown Centere, MA 02459

Sample Information

Matrix: SOIL
Location Code: PROPENV
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/21/22
07/22/22

Time

8:00
17:00

Laboratory Data

SDG ID: GCL85562
Phoenix ID: CL85562

Project ID: HUDSON STREET
Client ID: B-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	77		%		07/23/22	K	SW846-%Solid
Field Extraction	Completed				07/21/22		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	1400	ug/Kg	1000	08/02/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	1400	ug/Kg	1000	08/02/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	1400	ug/Kg	1000	08/02/22	JLI	SW8260C
1,1-Dichloroethane	ND	1400	ug/Kg	1000	08/02/22	JLI	SW8260C
1,1-Dichloroethene	ND	3000	ug/Kg	1000	08/02/22	JLI	SW8260C
1,1-Dichloropropene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	2000	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2,4-Trimethylbenzene	7100	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2-Dibromoethane	ND	710	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2-Dichloroethane	ND	710	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2-Dichloropropane	ND	1400	ug/Kg	1000	08/02/22	JLI	SW8260C
1,3,5-Trimethylbenzene	3200	2800	ug/Kg	1000	08/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	3000	ug/Kg	1000	08/02/22	JLI	SW8260C
1,3-Dichloropropane	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	710	ug/Kg	1000	08/02/22	JLI	SW8260C
2,2-Dichloropropane	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
2-Chlorotoluene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
2-Hexanone	ND	35000	ug/Kg	1000	08/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
4-Chlorotoluene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	2800	ug/Kg	1000	08/02/22	JLI	SW8260C
Acetone	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Acrylonitrile	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Benzene	ND	2000	ug/Kg	1000	08/02/22	JLI	SW8260C
Bromobenzene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Bromochloromethane	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Bromodichloromethane	ND	1400	ug/Kg	1000	08/02/22	JLI	SW8260C
Bromoform	ND	1400	ug/Kg	1000	08/02/22	JLI	SW8260C
Bromomethane	ND	2800	ug/Kg	1000	08/02/22	JLI	SW8260C
Carbon Disulfide	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Carbon tetrachloride	ND	5000	ug/Kg	1000	08/02/22	JLI	SW8260C
Chlorobenzene	ND	1000	ug/Kg	1000	08/02/22	JLI	SW8260C
Chloroethane	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Chloroform	ND	710	ug/Kg	1000	08/02/22	JLI	SW8260C
Chloromethane	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
cis-1,2-Dichloroethene	31000	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	710	ug/Kg	1000	08/02/22	JLI	SW8260C
Dibromochloromethane	ND	1400	ug/Kg	1000	08/02/22	JLI	SW8260C
Dibromomethane	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Dichlorodifluoromethane	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Ethylbenzene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Hexachlorobutadiene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Isopropylbenzene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
m&p-Xylene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	4000	ug/Kg	1000	08/02/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	1400	ug/Kg	1000	08/02/22	JLI	SW8260C
Methylene chloride	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Naphthalene	ND	4000	ug/Kg	1000	08/02/22	JLI	SW8260C
n-Butylbenzene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
n-Propylbenzene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
o-Xylene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
p-Isopropyltoluene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
sec-Butylbenzene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Styrene	ND	3000	ug/Kg	1000	08/02/22	JLI	SW8260C
tert-Butylbenzene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Tetrachloroethene	6300000	280000	ug/Kg	500	08/03/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	14000	ug/Kg	1000	08/02/22	JLI	SW8260C
Toluene	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Total Xylenes	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	1000	ug/Kg	1000	08/02/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	710	ug/Kg	1000	08/02/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10000	ug/Kg	1000	08/02/22	JLI	SW8260C
Trichloroethene	360000	56000	ug/Kg	100	08/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	14000	ug/Kg	1000	08/02/22	JLI	SW8260C
Vinyl chloride	1300	710	ug/Kg	1000	08/02/22	JLI	SW8260C

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4 (100x)	101		%	100	08/02/22	JLI	70 - 130 %
% Bromofluorobenzene (100x)	100		%	100	08/02/22	JLI	70 - 130 %
% Dibromofluoromethane (100x)	92		%	100	08/02/22	JLI	70 - 130 %
% Toluene-d8 (100x)	99		%	100	08/02/22	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (500x)	98		%	500	08/03/22	JLI	70 - 130 %
% Bromofluorobenzene (500x)	95		%	500	08/03/22	JLI	70 - 130 %
% Dibromofluoromethane (500x)	90		%	500	08/03/22	JLI	70 - 130 %
% Toluene-d8 (500x)	99		%	500	08/03/22	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (1000x)	99		%	1000	08/02/22	JLI	70 - 130 %
% Bromofluorobenzene (1000x)	105		%	1000	08/02/22	JLI	70 - 130 %
% Dibromofluoromethane (1000x)	92		%	1000	08/02/22	JLI	70 - 130 %
% Toluene-d8 (1000x)	94		%	1000	08/02/22	JLI	70 - 130 %

Oxygenates & Dioxane

1,4-Dioxane	ND	23000	ug/Kg	1000	08/02/22	JLI	SW8260C (OXY)
Diethyl ether	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C (OXY)
Di-isopropyl ether	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C (OXY)
Ethyl tert-butyl ether	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C (OXY)
tert-amyl methyl ether	ND	7100	ug/Kg	1000	08/02/22	JLI	SW8260C (OXY)

Massachusetts does not offer certification for Soil/Solid matrices.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

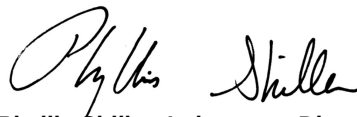
Comments:

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 05, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 05, 2022

FOR: Attn: Mr Daniel Jaffe
Property Environmental LLC
PO Box 590162
Newtown Centere, MA 02459

Sample Information

Matrix: SOIL
Location Code: PROPENV
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/21/22
07/22/22

Time

8:45
17:00

Laboratory Data

SDG ID: GCL85562
Phoenix ID: CL85563

Project ID: HUDSON STREET
Client ID: B-2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	73		%		07/23/22	K	SW846-%Solid
Field Extraction	Completed				07/21/22		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	100	ug/Kg	50	07/30/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	77	ug/Kg	50	07/30/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	100	ug/Kg	50	07/30/22	JLI	SW8260C
1,1-Dichloroethane	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
1,1-Dichloroethene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
1,1-Dichloropropene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
1,2,4-Trimethylbenzene	610	390	ug/Kg	50	07/30/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
1,2-Dibromoethane	ND	39	ug/Kg	50	07/30/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
1,2-Dichloroethane	ND	100	ug/Kg	50	07/30/22	JLI	SW8260C
1,2-Dichloropropane	ND	100	ug/Kg	50	07/30/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
1,3-Dichloropropane	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
2,2-Dichloropropane	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
2-Chlorotoluene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
2-Hexanone	ND	1900	ug/Kg	50	07/30/22	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	300	270	ug/Kg	50	07/30/22	JLI	SW8260C
4-Chlorotoluene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	400	ug/Kg	50	07/30/22	JLI	SW8260C
Acetone	ND	6000	ug/Kg	50	07/30/22	JLI	SW8260C
Acrylonitrile	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Benzene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Bromobenzene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Bromochloromethane	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Bromodichloromethane	ND	100	ug/Kg	50	07/30/22	JLI	SW8260C
Bromoform	ND	100	ug/Kg	50	07/30/22	JLI	SW8260C
Bromomethane	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Carbon Disulfide	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Carbon tetrachloride	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Chlorobenzene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Chloroethane	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Chloroform	ND	200	ug/Kg	50	07/30/22	JLI	SW8260C
Chloromethane	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
cis-1,2-Dichloroethene	15000	3800	ug/Kg	500	08/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	39	ug/Kg	50	07/30/22	JLI	SW8260C
Dibromochloromethane	ND	77	ug/Kg	50	07/30/22	JLI	SW8260C
Dibromomethane	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Dichlorodifluoromethane	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Ethylbenzene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Hexachlorobutadiene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Isopropylbenzene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
m&p-Xylene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	2300	ug/Kg	50	07/30/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	100	ug/Kg	50	07/30/22	JLI	SW8260C
Methylene chloride	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Naphthalene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
n-Butylbenzene	2700	390	ug/Kg	50	07/30/22	JLI	SW8260C
n-Propylbenzene	310	310	ug/Kg	50	07/30/22	JLI	SW8260C
o-Xylene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
p-Isopropyltoluene	620	390	ug/Kg	50	07/30/22	JLI	SW8260C
sec-Butylbenzene	1800	390	ug/Kg	50	07/30/22	JLI	SW8260C
Styrene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
tert-Butylbenzene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Tetrachloroethene	86000	3800	ug/Kg	500	08/02/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	770	ug/Kg	50	07/30/22	JLI	SW8260C
Toluene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Total Xylenes	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	39	ug/Kg	50	07/30/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	770	ug/Kg	50	07/30/22	JLI	SW8260C
Trichloroethene	2600	380	ug/Kg	500	08/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	770	ug/Kg	50	07/30/22	JLI	SW8260C
Vinyl chloride	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4 (50x)	101		%	50	07/30/22	JLI	70 - 130 %
% Bromofluorobenzene (50x)	113		%	50	07/30/22	JLI	70 - 130 %
% Dibromofluoromethane (50x)	93		%	50	07/30/22	JLI	70 - 130 %
% Toluene-d8 (50x)	98		%	50	07/30/22	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (500x)	99		%	500	08/02/22	JLI	70 - 130 %
% Bromofluorobenzene (500x)	104		%	500	08/02/22	JLI	70 - 130 %
% Dibromofluoromethane (500x)	97		%	500	08/02/22	JLI	70 - 130 %
% Toluene-d8 (500x)	101		%	500	08/02/22	JLI	70 - 130 %

Oxygenates & Dioxane

1,4-Dioxane	ND	1200	ug/Kg	50	07/30/22	JLI	SW8260C (OXY)
Diethyl ether	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C (OXY)
Di-isopropyl ether	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C (OXY)
Ethyl tert-butyl ether	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C (OXY)
tert-amyl methyl ether	ND	390	ug/Kg	50	07/30/22	JLI	SW8260C (OXY)

Massachusetts does not offer certification for Soil/Solid matrices.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

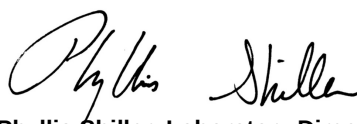
Comments:

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 05, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 05, 2022

FOR: Attn: Mr Daniel Jaffe
Property Environmental LLC
PO Box 590162
Newtown Centere, MA 02459

Sample Information

Matrix: SOIL
Location Code: PROPENV
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/21/22
07/22/22

Time

10:30
17:00

Laboratory Data

SDG ID: GCL85562
Phoenix ID: CL85564

Project ID: HUDSON STREET
Client ID: B-3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	77		%		07/23/22	K	SW846-%Solid
Field Extraction	Completed				07/21/22		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	1300	ug/Kg	1000	08/02/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	1300	ug/Kg	1000	08/02/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	1300	ug/Kg	1000	08/02/22	JLI	SW8260C
1,1-Dichloroethane	ND	1300	ug/Kg	1000	08/02/22	JLI	SW8260C
1,1-Dichloroethene	ND	3000	ug/Kg	1000	08/02/22	JLI	SW8260C
1,1-Dichloropropene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	2000	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2,4-Trimethylbenzene	6400	6000	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2-Dibromoethane	ND	670	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2-Dichloroethane	ND	670	ug/Kg	1000	08/02/22	JLI	SW8260C
1,2-Dichloropropane	ND	1300	ug/Kg	1000	08/02/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	3000	ug/Kg	1000	08/02/22	JLI	SW8260C
1,3-Dichloropropane	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	700	ug/Kg	1000	08/02/22	JLI	SW8260C
2,2-Dichloropropane	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
2-Chlorotoluene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
2-Hexanone	ND	34000	ug/Kg	1000	08/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
4-Chlorotoluene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	2700	ug/Kg	1000	08/02/22	JLI	SW8260C
Acetone	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Acrylonitrile	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Benzene	ND	2000	ug/Kg	1000	08/02/22	JLI	SW8260C
Bromobenzene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Bromochloromethane	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Bromodichloromethane	ND	1300	ug/Kg	1000	08/02/22	JLI	SW8260C
Bromoform	ND	1300	ug/Kg	1000	08/02/22	JLI	SW8260C
Bromomethane	ND	2700	ug/Kg	1000	08/02/22	JLI	SW8260C
Carbon Disulfide	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Carbon tetrachloride	ND	5000	ug/Kg	1000	08/02/22	JLI	SW8260C
Chlorobenzene	ND	1000	ug/Kg	1000	08/02/22	JLI	SW8260C
Chloroethane	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Chloroform	ND	670	ug/Kg	1000	08/02/22	JLI	SW8260C
Chloromethane	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
cis-1,2-Dichloroethene	45000	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	670	ug/Kg	1000	08/02/22	JLI	SW8260C
Dibromochloromethane	ND	1300	ug/Kg	1000	08/02/22	JLI	SW8260C
Dibromomethane	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Dichlorodifluoromethane	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Ethylbenzene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Hexachlorobutadiene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Isopropylbenzene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
m&p-Xylene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	4000	ug/Kg	1000	08/02/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	1300	ug/Kg	1000	08/02/22	JLI	SW8260C
Methylene chloride	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Naphthalene	4800	4000	ug/Kg	1000	08/02/22	JLI	SW8260C
n-Butylbenzene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
n-Propylbenzene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
o-Xylene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
p-Isopropyltoluene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
sec-Butylbenzene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Styrene	ND	3000	ug/Kg	1000	08/02/22	JLI	SW8260C
tert-Butylbenzene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Tetrachloroethene	2500000	340000	ug/Kg	50000	08/03/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13000	ug/Kg	1000	08/02/22	JLI	SW8260C
Toluene	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Total Xylenes	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	1000	ug/Kg	1000	08/02/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	670	ug/Kg	1000	08/02/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10000	ug/Kg	1000	08/02/22	JLI	SW8260C
Trichloroethene	180000	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	13000	ug/Kg	1000	08/02/22	JLI	SW8260C
Vinyl chloride	3900	700	ug/Kg	1000	08/02/22	JLI	SW8260C

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4 (1000x)	100		%	1000	08/02/22	JLI	70 - 130 %
% Bromofluorobenzene (1000x)	102		%	1000	08/02/22	JLI	70 - 130 %
% Dibromofluoromethane (1000x)	94		%	1000	08/02/22	JLI	70 - 130 %
% Toluene-d8 (1000x)	96		%	1000	08/02/22	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50000x)	95		%	50000	08/03/22	JLI	70 - 130 %
% Bromofluorobenzene (50000x)	94		%	50000	08/03/22	JLI	70 - 130 %
% Dibromofluoromethane (50000x)	93		%	50000	08/03/22	JLI	70 - 130 %
% Toluene-d8 (50000x)	100		%	50000	08/03/22	JLI	70 - 130 %

Oxygenates & Dioxane

1,4-Dioxane	ND	22000	ug/Kg	1000	08/02/22	JLI	SW8260C (OXY)
Diethyl ether	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C (OXY)
Di-isopropyl ether	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C (OXY)
Ethyl tert-butyl ether	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C (OXY)
tert-amyl methyl ether	ND	6700	ug/Kg	1000	08/02/22	JLI	SW8260C (OXY)

Massachusetts does not offer certification for Soil/Solid matrices.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

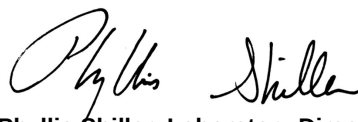
Comments:

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 05, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 05, 2022

FOR: Attn: Mr Daniel Jaffe
Property Environmental LLC
PO Box 590162
Newtown Centere, MA 02459

Sample Information

Matrix: SOIL
Location Code: PROPENV
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/21/22
07/22/22

Time

11:15
17:00

Laboratory Data

SDG ID: GCL85562
Phoenix ID: CL85565

Project ID: HUDSON STREET
Client ID: B-4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	78		%		07/23/22	K	SW846-%Solid
Field Extraction	Completed				07/21/22		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	140	ug/Kg	100	07/30/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	140	ug/Kg	100	07/30/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	140	ug/Kg	100	07/30/22	JLI	SW8260C
1,1-Dichloroethane	ND	400	ug/Kg	100	07/30/22	JLI	SW8260C
1,1-Dichloroethene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
1,1-Dichloropropene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
1,2,4-Trimethylbenzene	1900	710	ug/Kg	100	07/30/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
1,2-Dibromoethane	ND	71	ug/Kg	100	07/30/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
1,2-Dichloroethane	ND	100	ug/Kg	100	07/30/22	JLI	SW8260C
1,2-Dichloropropane	ND	140	ug/Kg	100	07/30/22	JLI	SW8260C
1,3,5-Trimethylbenzene	740	710	ug/Kg	100	07/30/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
1,3-Dichloropropane	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	700	ug/Kg	100	07/30/22	JLI	SW8260C
2,2-Dichloropropane	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
2-Chlorotoluene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
2-Hexanone	ND	3600	ug/Kg	100	07/30/22	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	380	360	ug/Kg	100	07/30/22	JLI	SW8260C
4-Chlorotoluene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	400	ug/Kg	100	07/30/22	JLI	SW8260C
Acetone	ND	6000	ug/Kg	100	07/30/22	JLI	SW8260C
Acrylonitrile	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Benzene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Bromobenzene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Bromochloromethane	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Bromodichloromethane	ND	140	ug/Kg	100	07/30/22	JLI	SW8260C
Bromoform	ND	140	ug/Kg	100	07/30/22	JLI	SW8260C
Bromomethane	ND	500	ug/Kg	100	07/30/22	JLI	SW8260C
Carbon Disulfide	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Carbon tetrachloride	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Chlorobenzene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Chloroethane	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Chloroform	ND	200	ug/Kg	100	07/30/22	JLI	SW8260C
Chloromethane	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
cis-1,2-Dichloroethene	2800	710	ug/Kg	100	07/30/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	71	ug/Kg	100	07/30/22	JLI	SW8260C
Dibromochloromethane	ND	140	ug/Kg	100	07/30/22	JLI	SW8260C
Dibromomethane	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Dichlorodifluoromethane	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Ethylbenzene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Hexachlorobutadiene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Isopropylbenzene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
m&p-Xylene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	4000	ug/Kg	100	07/30/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	140	ug/Kg	100	07/30/22	JLI	SW8260C
Methylene chloride	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Naphthalene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
n-Butylbenzene	800	710	ug/Kg	100	07/30/22	JLI	SW8260C
n-Propylbenzene	660	640	ug/Kg	100	07/30/22	JLI	SW8260C
o-Xylene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
p-Isopropyltoluene	320	290	ug/Kg	100	07/30/22	JLI	SW8260C
sec-Butylbenzene	670	640	ug/Kg	100	07/30/22	JLI	SW8260C
Styrene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
tert-Butylbenzene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Tetrachloroethene	420000	55000	ug/Kg	100	08/02/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	1400	ug/Kg	100	07/30/22	JLI	SW8260C
Toluene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Total Xylenes	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	71	ug/Kg	100	07/30/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	1400	ug/Kg	100	07/30/22	JLI	SW8260C
Trichloroethene	13000	5500	ug/Kg	100	08/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	1400	ug/Kg	100	07/30/22	JLI	SW8260C
Vinyl chloride	ND	700	ug/Kg	100	07/30/22	JLI	SW8260C

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4 (100x)	99		%	100	08/02/22	JLI	70 - 130 %
% Bromofluorobenzene (100x)	100		%	100	08/02/22	JLI	70 - 130 %
% Dibromofluoromethane (100x)	95		%	100	08/02/22	JLI	70 - 130 %
% Toluene-d8 (100x)	98		%	100	08/02/22	JLI	70 - 130 %

Oxygenates & Dioxane

1,4-Dioxane	ND	2300	ug/Kg	100	07/30/22	JLI	SW8260C (OXY)
Diethyl ether	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C (OXY)
Di-isopropyl ether	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C (OXY)
Ethyl tert-butyl ether	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C (OXY)
tert-amyl methyl ether	ND	710	ug/Kg	100	07/30/22	JLI	SW8260C (OXY)

Massachusetts does not offer certification for Soil/Solid matrices.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 05, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 05, 2022

FOR: Attn: Mr Daniel Jaffe
Property Environmental LLC
PO Box 590162
Newtown Centere, MA 02459

Sample Information

Matrix: SOIL
Location Code: PROPENV
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/21/22
07/22/22

Time

12:30
17:00

Laboratory Data

SDG ID: GCL85562
Phoenix ID: CL85566

Project ID: HUDSON STREET
Client ID: B-5

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	88		%		07/23/22	K	SW846-%Solid
Field Extraction	Completed				07/21/22		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	2.9	ug/Kg	1	07/28/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,1-Dichloroethene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,1-Dichloropropene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,2-Dibromoethane	ND	0.48	ug/Kg	1	07/28/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,3-Dichloropropane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
2,2-Dichloropropane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
2-Chlorotoluene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
2-Hexanone	ND	24	ug/Kg	1	07/28/22	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
4-Chlorotoluene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	ug/Kg	1	07/28/22	JLI	SW8260C
Acetone	ND	240	ug/Kg	1	07/28/22	JLI	SW8260C
Acrylonitrile	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Benzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Bromobenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Bromochloromethane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Bromodichloromethane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Bromoform	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Bromomethane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Carbon Disulfide	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Carbon tetrachloride	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Chlorobenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Chloroethane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Chloroform	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Chloromethane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Dibromochloromethane	ND	2.9	ug/Kg	1	07/28/22	JLI	SW8260C
Dibromomethane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Ethylbenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Hexachlorobutadiene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Isopropylbenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
m&p-Xylene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	29	ug/Kg	1	07/28/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.7	ug/Kg	1	07/28/22	JLI	SW8260C
Methylene chloride	ND	9.7	ug/Kg	1	07/28/22	JLI	SW8260C
Naphthalene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
n-Butylbenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
n-Propylbenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
o-Xylene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
sec-Butylbenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Styrene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
tert-Butylbenzene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Tetrachloroethene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.7	ug/Kg	1	07/28/22	JLI	SW8260C
Toluene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Total Xylenes	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.7	ug/Kg	1	07/28/22	JLI	SW8260C
Trichloroethene	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	9.7	ug/Kg	1	07/28/22	JLI	SW8260C
Vinyl chloride	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	100		%	1	07/28/22	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	07/28/22	JLI	70 - 130 %
% Dibromofluoromethane	94		%	1	07/28/22	JLI	70 - 130 %
% Toluene-d8	101		%	1	07/28/22	JLI	70 - 130 %

Oxygenates & Dioxane

1,4-Dioxane	ND	97	ug/Kg	1	07/28/22	JLI	SW8260C (OXY)
Diethyl ether	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C (OXY)
Di-isopropyl ether	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C (OXY)
Ethyl tert-butyl ether	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C (OXY)
tert-amyl methyl ether	ND	4.8	ug/Kg	1	07/28/22	JLI	SW8260C (OXY)

Massachusetts does not offer certification for Soil/Solid matrices.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 05, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Tel. (860) 645-1102

Fax (860) 645-0823

QA/QC Report

August 05, 2022

QA/QC Data

SDG I.D.: GCL85562

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 635228 (ug/kg), QC Sample No: CL85693 (CL85566)											
Volatiles - Soil (Low Level)											
1,1,1,2-Tetrachloroethane	ND	5.0	106	122	14.0	112	111	0.9	70 - 130	20	
1,1,1-Trichloroethane	ND	5.0	102	114	11.1	105	105	0.0	70 - 130	20	
1,1,2,2-Tetrachloroethane	ND	3.0	100	113	12.2	29	112	117.7	70 - 130	20	m,r
1,1,2-Trichloroethane	ND	5.0	99	111	11.4	103	103	0.0	70 - 130	20	
1,1-Dichloroethane	ND	5.0	95	107	11.9	101	100	1.0	70 - 130	20	
1,1-Dichloroethene	ND	5.0	98	107	8.8	100	100	0.0	70 - 130	20	
1,1-Dichloropropene	ND	5.0	106	116	9.0	106	104	1.9	70 - 130	20	
1,2,3-Trichlorobenzene	ND	5.0	112	125	11.0	105	95	10.0	70 - 130	20	
1,2,3-Trichloropropane	ND	5.0	96	108	11.8	110	108	1.8	70 - 130	20	
1,2,4-Trichlorobenzene	ND	5.0	111	124	11.1	101	91	10.4	70 - 130	20	
1,2,4-Trimethylbenzene	ND	1.0	103	117	12.7	108	103	4.7	70 - 130	20	
1,2-Dibromo-3-chloropropane	ND	5.0	110	127	14.3	113	109	3.6	70 - 130	20	
1,2-Dibromoethane	ND	5.0	105	118	11.7	112	107	4.6	70 - 130	20	
1,2-Dichlorobenzene	ND	5.0	98	111	12.4	102	98	4.0	70 - 130	20	
1,2-Dichloroethane	ND	5.0	98	109	10.6	102	103	1.0	70 - 130	20	
1,2-Dichloropropane	ND	5.0	98	111	12.4	104	104	0.0	70 - 130	20	
1,3,5-Trimethylbenzene	ND	1.0	105	118	11.7	111	106	4.6	70 - 130	20	
1,3-Dichlorobenzene	ND	5.0	101	114	12.1	104	99	4.9	70 - 130	20	
1,3-Dichloropropane	ND	5.0	102	116	12.8	109	107	1.9	70 - 130	20	
1,4-Dichlorobenzene	ND	5.0	99	113	13.2	102	97	5.0	70 - 130	20	
1,4-dioxane	ND	100	96	112	15.4	112	118	5.2	40 - 160	20	
2,2-Dichloropropane	ND	5.0	108	120	10.5	99	97	2.0	70 - 130	20	
2-Chlorotoluene	ND	5.0	103	118	13.6	110	106	3.7	70 - 130	20	
2-Hexanone	ND	25	100	109	8.6	103	102	1.0	40 - 160	20	
2-Isopropyltoluene	ND	5.0	102	117	13.7	108	103	4.7	70 - 130	20	
4-Chlorotoluene	ND	5.0	102	117	13.7	108	103	4.7	70 - 130	20	
4-Methyl-2-pentanone	ND	25	102	112	9.3	106	105	0.9	40 - 160	20	
Acetone	ND	10	79	85	7.3	15	118	154.9	40 - 160	20	m,r
Acrylonitrile	ND	5.0	91	99	8.4	95	94	1.1	70 - 130	20	
Benzene	ND	1.0	102	114	11.1	104	104	0.0	70 - 130	20	
Bromobenzene	ND	5.0	102	116	12.8	109	105	3.7	70 - 130	20	
Bromochloromethane	ND	5.0	100	115	14.0	106	105	0.9	70 - 130	20	
Bromodichloromethane	ND	5.0	101	116	13.8	106	105	0.9	70 - 130	20	
Bromoform	ND	5.0	109	124	12.9	112	112	0.0	70 - 130	20	
Bromomethane	ND	5.0	96	100	4.1	95	93	2.1	40 - 160	20	
Carbon Disulfide	ND	5.0	93	102	9.2	92	90	2.2	70 - 130	20	
Carbon tetrachloride	ND	5.0	104	116	10.9	103	102	1.0	70 - 130	20	
Chlorobenzene	ND	5.0	100	113	12.2	104	102	1.9	70 - 130	20	
Chloroethane	ND	5.0	87	106	19.7	95	90	5.4	70 - 130	20	
Chloroform	ND	5.0	99	113	13.2	103	101	2.0	70 - 130	20	
Chloromethane	ND	5.0	94	105	11.1	97	95	2.1	40 - 160	20	

QA/QC Data

SDG I.D.: GCL85562

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,2-Dichloroethene	ND	5.0	100	120	18.2	112	107	4.6	70 - 130	20	
cis-1,3-Dichloropropene	ND	5.0	106	120	12.4	108	107	0.9	70 - 130	20	
Dibromochloromethane	ND	3.0	108	124	13.8	112	114	1.8	70 - 130	20	
Dibromomethane	ND	5.0	101	115	13.0	106	105	0.9	70 - 130	20	
Dichlorodifluoromethane	ND	5.0	91	99	8.4	91	87	4.5	40 - 160	20	
Diethyl ether	ND	5.0	81	91	11.6	182	137	28.2	70 - 130	20	m,r
Di-isopropyl ether	ND	5.0	93	103	10.2	100	99	1.0	70 - 130	20	
Ethyl tert-butyl ether	ND	5.0	94	105	11.1	102	101	1.0	70 - 130	20	
Ethylbenzene	ND	1.0	104	118	12.6	109	105	3.7	70 - 130	20	
Hexachlorobutadiene	ND	5.0	105	124	16.6	93	86	7.8	70 - 130	20	
Isopropylbenzene	ND	1.0	104	119	13.5	112	109	2.7	70 - 130	20	
m&p-Xylene	ND	2.0	105	119	12.5	108	105	2.8	70 - 130	20	
Methyl ethyl ketone	ND	5.0	90	96	6.5	87	88	1.1	40 - 160	20	
Methyl t-butyl ether (MTBE)	ND	1.0	93	103	10.2	104	102	1.9	70 - 130	20	
Methylene chloride	ND	5.0	60	68	12.5	68	68	0.0	70 - 130	20	l,m
Naphthalene	ND	5.0	119	136	13.3	120	111	7.8	70 - 130	20	l
n-Butylbenzene	ND	1.0	107	120	11.5	107	100	6.8	70 - 130	20	
n-Propylbenzene	ND	1.0	105	119	12.5	110	106	3.7	70 - 130	20	
o-Xylene	ND	2.0	104	117	11.8	108	105	2.8	70 - 130	20	
p-Isopropyltoluene	ND	1.0	107	119	10.6	110	104	5.6	70 - 130	20	
sec-Butylbenzene	ND	1.0	106	120	12.4	110	105	4.7	70 - 130	20	
Styrene	ND	5.0	108	123	13.0	112	109	2.7	70 - 130	20	
tert-amyl methyl ether	ND	5.0	100	111	10.4	104	105	1.0	70 - 130	20	
tert-Butylbenzene	ND	1.0	104	119	13.5	111	106	4.6	70 - 130	20	
Tetrachloroethene	ND	5.0	103	114	10.1	102	99	3.0	70 - 130	20	
Tetrahydrofuran (THF)	ND	5.0	92	101	9.3	94	95	1.1	70 - 130	20	
Toluene	ND	1.0	102	115	12.0	103	103	0.0	70 - 130	20	
trans-1,2-Dichloroethene	ND	5.0	96	107	10.8	99	98	1.0	70 - 130	20	
trans-1,3-Dichloropropene	ND	5.0	108	122	12.2	110	110	0.0	70 - 130	20	
trans-1,4-dichloro-2-butene	ND	5.0	117	132	12.0	116	114	1.7	70 - 130	20	l
Trichloroethene	ND	5.0	102	115	12.0	167	179	6.9	70 - 130	20	m
Trichlorofluoromethane	ND	5.0	99	109	9.6	101	100	1.0	70 - 130	20	
Trichlorotrifluoroethane	ND	5.0	89	97	8.6	92	89	3.3	70 - 130	20	
Vinyl chloride	ND	5.0	100	111	10.4	103	101	2.0	70 - 130	20	
% 1,2-dichlorobenzene-d4	99	%	100	99	1.0	100	99	1.0	70 - 130	20	
% Bromofluorobenzene	98	%	101	100	1.0	100	100	0.0	70 - 130	20	
% Dibromofluoromethane	94	%	99	99	0.0	94	95	1.1	70 - 130	20	
% Toluene-d8	101	%	100	99	1.0	98	99	1.0	70 - 130	20	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 10%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

QA/QC Batch 635649H (ug/kg), QC Sample No: CL92220 50X (CL85562 (100X, 1000X) , CL85563 (500X) , CL85564 (1000X) , CL85565 (100X))

Volatiles - Soil (High Level)

1,1,1,2-Tetrachloroethane	ND	250	115	111	3.5	112	109	2.7	70 - 130	20	
1,1,1-Trichloroethane	ND	250	109	108	0.9	107	102	4.8	70 - 130	20	
1,1,2,2-Tetrachloroethane	ND	250	108	107	0.9	107	106	0.9	70 - 130	20	
1,1,2-Trichloroethane	ND	250	111	110	0.9	112	111	0.9	70 - 130	20	
1,1-Dichloroethane	ND	250	106	104	1.9	106	99	6.8	70 - 130	20	
1,1-Dichloroethene	ND	250	99	71	32.9	102	92	10.3	70 - 130	20	r
1,1-Dichloropropene	ND	250	118	117	0.9	117	111	5.3	70 - 130	20	
1,2,3-Trichlorobenzene	ND	250	122	126	3.2	117	116	0.9	70 - 130	20	

QA/QC Data

SDG I.D.: GCL85562

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,3-Trichloropropane	ND	250	108	102	5.7	105	103	1.9	70 - 130	20	
1,2,4-Trichlorobenzene	ND	250	124	126	1.6	116	111	4.4	70 - 130	20	
1,2,4-Trimethylbenzene	ND	250	115	115	0.0	111	106	4.6	70 - 130	20	
1,2-Dibromo-3-chloropropane	ND	250	115	108	6.3	108	111	2.7	70 - 130	20	
1,2-Dibromoethane	ND	250	117	115	1.7	114	114	0.0	70 - 130	20	
1,2-Dichlorobenzene	ND	250	111	110	0.9	110	106	3.7	70 - 130	20	
1,2-Dichloroethane	ND	250	110	108	1.8	109	109	0.0	70 - 130	20	
1,2-Dichloropropane	ND	250	113	110	2.7	110	109	0.9	70 - 130	20	
1,3,5-Trimethylbenzene	ND	250	115	116	0.9	114	108	5.4	70 - 130	20	
1,3-Dichlorobenzene	ND	250	113	114	0.9	111	106	4.6	70 - 130	20	
1,3-Dichloropropane	ND	250	112	112	0.0	112	110	1.8	70 - 130	20	
1,4-Dichlorobenzene	ND	250	112	112	0.0	111	105	5.6	70 - 130	20	
1,4-dioxane	ND	5000	110	103	6.6	115	106	8.1	40 - 160	20	
2,2-Dichloropropane	ND	250	111	110	0.9	94	98	4.2	70 - 130	20	
2-Chlorotoluene	ND	250	116	118	1.7	114	109	4.5	70 - 130	20	
2-Hexanone	ND	1300	103	101	2.0	100	99	1.0	40 - 160	20	
2-Isopropyltoluene	ND	250	114	113	0.9	111	107	3.7	70 - 130	20	
4-Chlorotoluene	ND	250	115	116	0.9	113	107	5.5	70 - 130	20	
4-Methyl-2-pentanone	ND	1300	107	104	2.8	106	109	2.8	40 - 160	20	
Acetone	ND	500	81	64	23.4	79	77	2.6	40 - 160	20	r
Acrylonitrile	ND	250	101	95	6.1	97	96	1.0	70 - 130	20	
Benzene	ND	250	115	113	1.8	114	110	3.6	70 - 130	20	
Bromobenzene	ND	250	114	115	0.9	112	110	1.8	70 - 130	20	
Bromochloromethane	ND	250	113	112	0.9	112	107	4.6	70 - 130	20	
Bromodichloromethane	ND	250	110	106	3.7	107	106	0.9	70 - 130	20	
Bromoform	ND	250	109	103	5.7	106	104	1.9	70 - 130	20	
Bromomethane	ND	250	80	80	0.0	80	74	7.8	40 - 160	20	
Carbon Disulfide	ND	250	91	63	36.4	90	81	10.5	70 - 130	20	I,r
Carbon tetrachloride	ND	250	102	96	6.1	92	89	3.3	70 - 130	20	
Chlorobenzene	ND	250	113	112	0.9	111	106	4.6	70 - 130	20	
Chloroethane	ND	250	32	33	3.1	33	28	16.4	70 - 130	20	I,m
Chloroform	ND	250	100	107	6.8	106	103	2.9	70 - 130	20	
Chloromethane	ND	250	97	94	3.1	92	88	4.4	40 - 160	20	
cis-1,2-Dichloroethene	ND	250	115	121	5.1	117	116	0.9	70 - 130	20	
cis-1,3-Dichloropropene	ND	250	116	113	2.6	110	109	0.9	70 - 130	20	
Dibromochloromethane	ND	150	114	110	3.6	112	109	2.7	70 - 130	20	
Dibromomethane	ND	250	113	110	2.7	113	112	0.9	70 - 130	20	
Dichlorodifluoromethane	ND	250	87	86	1.2	85	80	6.1	40 - 160	20	
Diethyl ether	ND	250	60	38	44.9	69	62	10.7	70 - 130	20	I,m,r
Di-isopropyl ether	ND	250	108	104	3.8	106	101	4.8	70 - 130	20	
Ethyl tert-butyl ether	ND	250	107	105	1.9	106	102	3.8	70 - 130	20	
Ethylbenzene	ND	250	117	117	0.0	114	110	3.6	70 - 130	20	
Hexachlorobutadiene	ND	250	123	122	0.8	117	112	4.4	70 - 130	20	
Isopropylbenzene	ND	250	114	116	1.7	112	108	3.6	70 - 130	20	
m&p-Xylene	ND	250	118	117	0.9	116	110	5.3	70 - 130	20	
Methyl ethyl ketone	ND	250	100	98	2.0	88	90	2.2	40 - 160	20	
Methyl t-butyl ether (MTBE)	ND	250	105	100	4.9	103	101	2.0	70 - 130	20	
Methylene chloride	ND	250	70	62	12.1	70	66	5.9	70 - 130	20	I,m
Naphthalene	ND	250	127	130	2.3	121	122	0.8	70 - 130	20	
n-Butylbenzene	ND	250	120	120	0.0	116	108	7.1	70 - 130	20	
n-Propylbenzene	ND	250	115	117	1.7	113	108	4.5	70 - 130	20	
o-Xylene	ND	250	117	115	1.7	115	111	3.5	70 - 130	20	
p-Isopropyltoluene	ND	250	118	119	0.8	117	109	7.1	70 - 130	20	

QA/QC Data

SDG I.D.: GCL85562

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
sec-Butylbenzene	ND	250	116	117	0.9	114	109	4.5	70 - 130	20
Styrene	ND	250	123	121	1.6	120	116	3.4	70 - 130	20
tert-amyl methyl ether	ND	250	113	111	1.8	110	110	0.0	70 - 130	20
tert-Butylbenzene	ND	250	115	116	0.9	113	108	4.5	70 - 130	20
Tetrachloroethene	ND	250	119	117	1.7	117	111	5.3	70 - 130	20
Tetrahydrofuran (THF)	ND	250	102	98	4.0	97	97	0.0	70 - 130	20
Toluene	ND	250	116	114	1.7	114	109	4.5	70 - 130	20
trans-1,2-Dichloroethene	ND	250	106	101	4.8	106	100	5.8	70 - 130	20
trans-1,3-Dichloropropene	ND	250	117	112	4.4	107	109	1.9	70 - 130	20
trans-1,4-dichloro-2-butene	ND	250	112	112	0.0	102	102	0.0	70 - 130	20
Trichloroethene	ND	250	116	115	0.9	115	109	5.4	70 - 130	20
Trichlorofluoromethane	ND	250	18	23	24.4	18	17	5.7	70 - 130	20
Trichlorotrifluoroethane	ND	250	96	65	38.5	100	90	10.5	70 - 130	20
Vinyl chloride	ND	250	96	96	0.0	96	88	8.7	70 - 130	20
% 1,2-dichlorobenzene-d4	99	%	100	101	1.0	100	100	0.0	70 - 130	20
% Bromofluorobenzene	101	%	102	101	1.0	101	102	1.0	70 - 130	20
% Dibromofluoromethane	90	%	97	98	1.0	95	98	3.1	70 - 130	20
% Toluene-d8	101	%	99	97	2.0	97	99	2.0	70 - 130	20

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 10%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

QA/QC Batch 636076H (ug/kg), QC Sample No: CL92550 50X (CL85562 (500X))

Volatiles - Soil (High Level)

Tetrachloroethene	ND	250	114	111	2.7	136	117	15.0	70 - 130	20
% 1,2-dichlorobenzene-d4	97	%	98	99	1.0	98	98	0.0	70 - 130	20
% Bromofluorobenzene	96	%	99	99	0.0	98	99	1.0	70 - 130	20
% Dibromofluoromethane	89	%	94	96	2.1	94	96	2.1	70 - 130	20
% Toluene-d8	97	%	96	98	2.1	96	97	1.0	70 - 130	20

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 10%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

QA/QC Batch 635425H (ug/kg), QC Sample No: CL92721 50X (CL85563 (50X) , CL85565 (100X))

Volatiles - Soil (High Level)

1,1,1,2-Tetrachloroethane	ND	250	114	113	0.9	94	105	11.1	70 - 130	20
1,1,1-Trichloroethane	ND	250	113	105	7.3	86	98	13.0	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	250	107	109	1.9	95	103	8.1	70 - 130	20
1,1,2-Trichloroethane	ND	250	110	111	0.9	95	103	8.1	70 - 130	20
1,1-Dichloroethane	ND	250	111	101	9.4	92	101	9.3	70 - 130	20
1,1-Dichloroethene	ND	250	103	95	8.1	86	97	12.0	70 - 130	20
1,1-Dichloropropene	ND	250	119	113	5.2	98	110	11.5	70 - 130	20
1,2,3-Trichlorobenzene	ND	250	119	120	0.8	99	112	12.3	70 - 130	20
1,2,3-Trichloropropane	ND	250	108	108	0.0	93	105	12.1	70 - 130	20
1,2,4-Trichlorobenzene	ND	250	122	122	0.0	99	112	12.3	70 - 130	20
1,2,4-Trimethylbenzene	ND	250	118	115	2.6	98	109	10.6	70 - 130	20
1,2-Dibromo-3-chloropropane	ND	250	105	106	0.9	93	106	13.1	70 - 130	20
1,2-Dibromoethane	ND	250	114	115	0.9	98	109	10.6	70 - 130	20
1,2-Dichlorobenzene	ND	250	112	111	0.9	96	106	9.9	70 - 130	20
1,2-Dichloroethane	ND	250	110	109	0.9	92	100	8.3	70 - 130	20
1,2-Dichloropropane	ND	250	113	109	3.6	95	102	7.1	70 - 130	20
1,3,5-Trimethylbenzene	ND	250	120	114	5.1	99	110	10.5	70 - 130	20

QA/QC Data

SDG I.D.: GCL85562

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,3-Dichlorobenzene	ND	250	117	114	2.6	96	107	10.8	70 - 130	20
1,3-Dichloropropane	ND	250	111	113	1.8	98	108	9.7	70 - 130	20
1,4-Dichlorobenzene	ND	250	115	113	1.8	95	105	10.0	70 - 130	20
1,4-dioxane	ND	5000	108	107	0.9	99	108	8.7	40 - 160	20
2,2-Dichloropropane	ND	250	113	106	6.4	79	93	16.3	70 - 130	20
2-Chlorotoluene	ND	250	118	116	1.7	99	110	10.5	70 - 130	20
2-Hexanone	ND	1300	99	105	5.9	89	98	9.6	40 - 160	20
2-Isopropyltoluene	ND	250	117	114	2.6	98	109	10.6	70 - 130	20
4-Chlorotoluene	ND	250	118	116	1.7	97	109	11.7	70 - 130	20
4-Methyl-2-pentanone	ND	1300	104	110	5.6	92	99	7.3	40 - 160	20
Acetone	ND	500	78	75	3.9	68	72	5.7	40 - 160	20
Acrylonitrile	ND	250	101	99	2.0	88	93	5.5	70 - 130	20
Benzene	ND	250	115	112	2.6	97	107	9.8	70 - 130	20
Bromobenzene	ND	250	115	114	0.9	97	108	10.7	70 - 130	20
Bromochloromethane	ND	250	114	110	3.6	95	104	9.0	70 - 130	20
Bromodichloromethane	ND	250	108	105	2.8	89	98	9.6	70 - 130	20
Bromoform	ND	250	105	105	0.0	88	99	11.8	70 - 130	20
Bromomethane	ND	250	80	79	1.3	65	75	14.3	40 - 160	20
Carbon Disulfide	ND	250	94	87	7.7	78	86	9.8	70 - 130	20
Carbon tetrachloride	ND	250	105	96	9.0	76	91	18.0	70 - 130	20
Chlorobenzene	ND	250	113	112	0.9	96	107	10.8	70 - 130	20
Chloroethane	ND	250	33	30	9.5	28	30	6.9	70 - 130	20
Chloroform	ND	250	111	96	14.5	85	92	7.9	70 - 130	20
Chloromethane	ND	250	104	98	5.9	80	91	12.9	40 - 160	20
cis-1,2-Dichloroethene	ND	250	116	115	0.9	100	106	5.8	70 - 130	20
cis-1,3-Dichloropropene	ND	250	115	112	2.6	93	103	10.2	70 - 130	20
Dibromochloromethane	ND	150	111	110	0.9	95	105	10.0	70 - 130	20
Dibromomethane	ND	250	110	110	0.0	96	103	7.0	70 - 130	20
Dichlorodifluoromethane	ND	250	93	91	2.2	71	83	15.6	40 - 160	20
Diethyl ether	ND	250	58	58	0.0	54	60	10.5	70 - 130	20
Di-isopropyl ether	ND	250	112	103	8.4	94	99	5.2	70 - 130	20
Ethyl tert-butyl ether	ND	250	110	104	5.6	92	99	7.3	70 - 130	20
Ethylbenzene	ND	250	119	116	2.6	99	113	13.2	70 - 130	20
Hexachlorobutadiene	ND	250	123	121	1.6	100	114	13.1	70 - 130	20
Isopropylbenzene	ND	250	118	113	4.3	97	110	12.6	70 - 130	20
m&p-Xylene	ND	250	120	117	2.5	100	112	11.3	70 - 130	20
Methyl ethyl ketone	ND	250	98	100	2.0	78	84	7.4	40 - 160	20
Methyl t-butyl ether (MTBE)	ND	250	107	101	5.8	91	96	5.3	70 - 130	20
Methylene chloride	ND	250	76	71	6.8	62	66	6.3	70 - 130	20
Naphthalene	ND	250	120	125	4.1	104	121	15.1	70 - 130	20
n-Butylbenzene	ND	250	127	123	3.2	102	114	11.1	70 - 130	20
n-Propylbenzene	ND	250	120	116	3.4	99	110	10.5	70 - 130	20
o-Xylene	ND	250	117	116	0.9	99	111	11.4	70 - 130	20
p-Isopropyltoluene	ND	250	123	119	3.3	100	113	12.2	70 - 130	20
sec-Butylbenzene	ND	250	121	117	3.4	100	112	11.3	70 - 130	20
Styrene	ND	250	123	122	0.8	103	114	10.1	70 - 130	20
tert-amyl methyl ether	ND	250	111	110	0.9	94	102	8.2	70 - 130	20
tert-Butylbenzene	ND	250	117	114	2.6	98	110	11.5	70 - 130	20
Tetrahydrofuran (THF)	ND	250	101	102	1.0	86	94	8.9	70 - 130	20
Toluene	ND	250	115	113	1.8	97	107	9.8	70 - 130	20
trans-1,2-Dichloroethene	ND	250	113	103	9.3	92	100	8.3	70 - 130	20
trans-1,3-Dichloropropene	ND	250	115	114	0.9	92	102	10.3	70 - 130	20
trans-1,4-dichloro-2-butene	ND	250	110	113	2.7	88	100	12.8	70 - 130	20

QA/QC Data

SDG I.D.: GCL85562

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Trichlorofluoromethane	ND	250	19	17	11.1	15	17	12.5	70 - 130	20	I,m
Trichlorotrifluoroethane	ND	250	101	93	8.2	84	92	9.1	70 - 130	20	
Vinyl chloride	ND	250	101	98	3.0	79	91	14.1	70 - 130	20	
% 1,2-dichlorobenzene-d4	99	%	100	99	1.0	100	100	0.0	70 - 130	20	
% Bromofluorobenzene	101	%	102	103	1.0	102	102	0.0	70 - 130	20	
% Dibromofluoromethane	88	%	97	96	1.0	94	94	0.0	70 - 130	20	
% Toluene-d8	100	%	99	98	1.0	99	97	2.0	70 - 130	20	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 10%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

QA/QC Batch 635788H (ug/kg), QC Sample No: CL95536 50X (CL85564 (50000X))

Volatiles - Soil (High Level)

Tetrachloroethene	ND	250	110	111	0.9	>200	159	NC	70 - 130	20	m
% 1,2-dichlorobenzene-d4	98	%	98	97	1.0	98	98	0.0	70 - 130	20	
% Bromofluorobenzene	96	%	97	97	0.0	98	98	0.0	70 - 130	20	
% Dibromofluoromethane	89	%	97	97	0.0	94	92	2.2	70 - 130	20	
% Toluene-d8	97	%	96	96	0.0	95	96	1.0	70 - 130	20	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 10%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

August 05, 2022

Friday, August 05, 2022

Criteria: MA: S1, S1G2, S1G3

State: MA

Sample Criteria Exceedances Report

GCL85562 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL85562	\$8260MAR	Methyl t-butyl ether (MTBE)	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1400	100	100	ug/Kg
CL85562	\$8260MAR	Bromoform	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1400	100	100	ug/Kg
CL85562	\$8260MAR	Chloroform	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	710	200	200	ug/Kg
CL85562	\$8260MAR	Bromodichloromethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1400	100	100	ug/Kg
CL85562	\$8260MAR	cis-1,2-Dichloroethene	MA / CMR 310.40.1600 / S1 (mg/kg)	31000	7100	100	100	ug/Kg
CL85562	\$8260MAR	Acetone	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	7100	6000	6000	ug/Kg
CL85562	\$8260MAR	4-Methyl-2-pentanone	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	2800	400	400	ug/Kg
CL85562	\$8260MAR	cis-1,3-Dichloropropene	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	710	10	10	ug/Kg
CL85562	\$8260MAR	1,4-Dichlorobenzene	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	710	700	700	ug/Kg
CL85562	\$8260MAR	Dibromochloromethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1400	5	5	ug/Kg
CL85562	\$8260MAR	Bromomethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	2800	500	500	ug/Kg
CL85562	\$8260MAR	1,2-Dichloropropane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1400	100	100	ug/Kg
CL85562	\$8260MAR	Methylene chloride	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	7100	100	100	ug/Kg
CL85562	\$8260MAR	1,1,2-Trichloroethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1400	100	100	ug/Kg
CL85562	\$8260MAR	Tetrachloroethene	MA / CMR 310.40.1600 / S1 (mg/kg)	6300000	280000	1000	1000	ug/Kg
CL85562	\$8260MAR	1,2-Dibromoethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	710	100	100	ug/Kg
CL85562	\$8260MAR	1,1,1,2-Tetrachloroethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1400	100	100	ug/Kg
CL85562	\$8260MAR	trans-1,3-Dichloropropene	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	710	10	10	ug/Kg
CL85562	\$8260MAR	1,1-Dichloroethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1400	400	400	ug/Kg
CL85562	\$8260MAR	Trichloroethene	MA / CMR 310.40.1600 / S1 (mg/kg)	360000	56000	300	300	ug/Kg
CL85562	\$8260MAR	1,2-Dichloroethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	710	100	100	ug/Kg
CL85562	\$8260MAR	Vinyl chloride	MA / CMR 310.40.1600 / S1 (mg/kg)	1300	710	700	700	ug/Kg
CL85562	\$8260MAR	1,1,2,2-Tetrachloroethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1400	5	5	ug/Kg
CL85562	\$8260MAR	Bromomethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	2800	500	500	ug/Kg
CL85562	\$8260MAR	Vinyl chloride	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	1300	710	900	900	ug/Kg
CL85562	\$8260MAR	Chloroform	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	710	400	400	ug/Kg
CL85562	\$8260MAR	Methyl t-butyl ether (MTBE)	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1400	100	100	ug/Kg
CL85562	\$8260MAR	cis-1,2-Dichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	31000	7100	300	300	ug/Kg
CL85562	\$8260MAR	Dibromochloromethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1400	5	5	ug/Kg
CL85562	\$8260MAR	Tetrachloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	6300000	280000	1000	1000	ug/Kg
CL85562	\$8260MAR	Trichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	360000	56000	300	300	ug/Kg
CL85562	\$8260MAR	1,1,1,2-Tetrachloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1400	100	100	ug/Kg
CL85562	\$8260MAR	1,1,2,2-Tetrachloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1400	5	5	ug/Kg
CL85562	\$8260MAR	1,1,2-Trichloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1400	100	100	ug/Kg
CL85562	\$8260MAR	1,1-Dichloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1400	400	400	ug/Kg
CL85562	\$8260MAR	1,2-Dibromoethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	710	100	100	ug/Kg
CL85562	\$8260MAR	Methylene chloride	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	7100	100	100	ug/Kg
CL85562	\$8260MAR	1,2-Dichloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	710	100	100	ug/Kg
CL85562	\$8260MAR	1,2-Dichloropropane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1400	100	100	ug/Kg
CL85562	\$8260MAR	1,4-Dichlorobenzene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	710	700	700	ug/Kg
CL85562	\$8260MAR	Bromodichloromethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1400	100	100	ug/Kg
CL85562	\$8260MAR	Bromoform	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1400	100	100	ug/Kg

Friday, August 05, 2022

Criteria: MA: S1, S1G2, S1G3

State: MA

Sample Criteria Exceedances Report

GCL85562 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL85562	\$8260MAR	4-Methyl-2-pentanone	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	2800	400	400	ug/Kg
CL85562	\$8260MAR	Acetone	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	7100	6000	6000	ug/Kg
CL85562	\$8260MAR	Bromoform	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	1400	1000	1000	ug/Kg
CL85562	\$8260MAR	Trichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	360000	56000	300	300	ug/Kg
CL85562	\$8260MAR	1,1,2,2-Tetrachloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	1400	20	20	ug/Kg
CL85562	\$8260MAR	Bromomethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	2800	500	500	ug/Kg
CL85562	\$8260MAR	Bromodichloromethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	1400	100	100	ug/Kg
CL85562	\$8260MAR	1,2-Dichloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	710	100	100	ug/Kg
CL85562	\$8260MAR	1,2-Dibromoethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	710	100	100	ug/Kg
CL85562	\$8260MAR	cis-1,2-Dichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	31000	7100	100	100	ug/Kg
CL85562	\$8260MAR	Methylene chloride	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	7100	4000	4000	ug/Kg
CL85562	\$8260MAR	Chloroform	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	710	200	200	ug/Kg
CL85562	\$8260MAR	1,1,1,2-Tetrachloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	1400	100	100	ug/Kg
CL85562	\$8260MAR	Vinyl chloride	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	1300	710	700	700	ug/Kg
CL85562	\$8260MAR	Dibromochloromethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	1400	30	30	ug/Kg
CL85562	\$8260MAR	1,2-Dichloropropane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	1400	100	100	ug/Kg
CL85562	\$8260MAR	Tetrachloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	6300000	280000	10000	10000	ug/Kg
CL85562	\$8260MAR	Vinyl chloride	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-3	1300	710	1000	1000	ug/Kg
CL85562	\$8260MAR	Tetrachloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-3	6300000	280000	30000	30000	ug/Kg
CL85562	\$8260MAR	Trichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-3	360000	56000	30000	30000	ug/Kg
CL85562	\$MCPADD-SM	1,4-Dioxane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	23000	200	200	ug/Kg
CL85562	\$MCPADD-SM	1,4-Dioxane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	23000	200	200	ug/Kg
CL85562	\$MCPADD-SM	1,4-Dioxane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	23000	6000	6000	ug/Kg
CL85562	\$MCPADD-SM	1,4-Dioxane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-3	ND	23000	20000	20000	ug/Kg
CL85563	\$8260MAR	Trichloroethene	MA / CMR 310.40.1600 / S1 (mg/kg)	2600	380	300	300	ug/Kg
CL85563	\$8260MAR	Dibromochloromethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	77	5	5	ug/Kg
CL85563	\$8260MAR	cis-1,3-Dichloropropene	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	39	10	10	ug/Kg
CL85563	\$8260MAR	Tetrachloroethene	MA / CMR 310.40.1600 / S1 (mg/kg)	86000	3800	1000	1000	ug/Kg
CL85563	\$8260MAR	trans-1,3-Dichloropropene	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	39	10	10	ug/Kg
CL85563	\$8260MAR	Methylene chloride	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	390	100	100	ug/Kg
CL85563	\$8260MAR	1,1,2,2-Tetrachloroethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	77	5	5	ug/Kg
CL85563	\$8260MAR	cis-1,2-Dichloroethene	MA / CMR 310.40.1600 / S1 (mg/kg)	15000	3800	100	100	ug/Kg
CL85563	\$8260MAR	Tetrachloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	86000	3800	1000	1000	ug/Kg
CL85563	\$8260MAR	Trichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	2600	380	300	300	ug/Kg
CL85563	\$8260MAR	1,1,2,2-Tetrachloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	77	5	5	ug/Kg
CL85563	\$8260MAR	Dibromochloromethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	77	5	5	ug/Kg
CL85563	\$8260MAR	cis-1,2-Dichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	15000	3800	300	300	ug/Kg
CL85563	\$8260MAR	Methylene chloride	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	390	100	100	ug/Kg
CL85563	\$8260MAR	Dibromochloromethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	77	30	30	ug/Kg
CL85563	\$8260MAR	Trichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	2600	380	300	300	ug/Kg
CL85563	\$8260MAR	1,1,2,2-Tetrachloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	77	20	20	ug/Kg

Friday, August 05, 2022

Criteria: MA: S1, S1G2, S1G3

State: MA

Sample Criteria Exceedances Report

GCL85562 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL85563	\$8260MAR	Tetrachloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	86000	3800	10000	10000	ug/Kg
CL85563	\$8260MAR	cis-1,2-Dichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	15000	3800	100	100	ug/Kg
CL85563	\$8260MAR	Tetrachloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-3	86000	3800	30000	30000	ug/Kg
CL85563	\$MCPADD-SM	1,4-Dioxane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1200	200	200	ug/Kg
CL85563	\$MCPADD-SM	1,4-Dioxane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1200	200	200	ug/Kg
CL85564	\$8260MAR	1,1,1,2-Tetrachloroethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	1,1,2,2-Tetrachloroethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1300	5	5	ug/Kg
CL85564	\$8260MAR	1,1-Dichloroethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1300	400	400	ug/Kg
CL85564	\$8260MAR	1,1,2-Trichloroethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	Methyl t-butyl ether (MTBE)	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	Bromodichloromethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	Bromoform	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	Bromomethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	2700	500	500	ug/Kg
CL85564	\$8260MAR	Chloroform	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	670	200	200	ug/Kg
CL85564	\$8260MAR	cis-1,2-Dichloroethene	MA / CMR 310.40.1600 / S1 (mg/kg)	45000	6700	100	100	ug/Kg
CL85564	\$8260MAR	Acetone	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	6700	6000	6000	ug/Kg
CL85564	\$8260MAR	Dibromochloromethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1300	5	5	ug/Kg
CL85564	\$8260MAR	trans-1,3-Dichloropropene	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	670	10	10	ug/Kg
CL85564	\$8260MAR	Methylene chloride	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	6700	100	100	ug/Kg
CL85564	\$8260MAR	Naphthalene	MA / CMR 310.40.1600 / S1 (mg/kg)	4800	4000	4000	4000	ug/Kg
CL85564	\$8260MAR	Tetrachloroethene	MA / CMR 310.40.1600 / S1 (mg/kg)	2500000	340000	1000	1000	ug/Kg
CL85564	\$8260MAR	1,2-Dibromoethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	670	100	100	ug/Kg
CL85564	\$8260MAR	Trichloroethene	MA / CMR 310.40.1600 / S1 (mg/kg)	180000	6700	300	300	ug/Kg
CL85564	\$8260MAR	Vinyl chloride	MA / CMR 310.40.1600 / S1 (mg/kg)	3900	700	700	700	ug/Kg
CL85564	\$8260MAR	cis-1,3-Dichloropropene	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	670	10	10	ug/Kg
CL85564	\$8260MAR	4-Methyl-2-pentanone	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	2700	400	400	ug/Kg
CL85564	\$8260MAR	1,2-Dichloroethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	670	100	100	ug/Kg
CL85564	\$8260MAR	1,2-Dichloropropane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	1,1,2-Trichloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	Methylene chloride	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	6700	100	100	ug/Kg
CL85564	\$8260MAR	1,1,2,2-Tetrachloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1300	5	5	ug/Kg
CL85564	\$8260MAR	Methyl t-butyl ether (MTBE)	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	4-Methyl-2-pentanone	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	2700	400	400	ug/Kg
CL85564	\$8260MAR	Tetrachloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	2500000	340000	1000	1000	ug/Kg
CL85564	\$8260MAR	1,1,1,2-Tetrachloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	cis-1,2-Dichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	45000	6700	300	300	ug/Kg
CL85564	\$8260MAR	1,2-Dichloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	670	100	100	ug/Kg
CL85564	\$8260MAR	Naphthalene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	4800	4000	4000	4000	ug/Kg
CL85564	\$8260MAR	Chloroform	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	670	400	400	ug/Kg
CL85564	\$8260MAR	Dibromochloromethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1300	5	5	ug/Kg
CL85564	\$8260MAR	Trichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	180000	6700	300	300	ug/Kg

Friday, August 05, 2022

Criteria: MA: S1, S1G2, S1G3

State: MA

Sample Criteria Exceedances Report

GCL85562 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL85564	\$8260MAR	Bromomethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	2700	500	500	ug/Kg
CL85564	\$8260MAR	Bromoform	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	1,2-Dichloropropane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	1,1-Dichloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1300	400	400	ug/Kg
CL85564	\$8260MAR	Bromodichloromethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	Vinyl chloride	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	3900	700	900	900	ug/Kg
CL85564	\$8260MAR	Acetone	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	6700	6000	6000	ug/Kg
CL85564	\$8260MAR	1,2-Dibromoethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	670	100	100	ug/Kg
CL85564	\$8260MAR	Tetrachloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	2500000	340000	10000	10000	ug/Kg
CL85564	\$8260MAR	Trichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	180000	6700	300	300	ug/Kg
CL85564	\$8260MAR	1,2-Dibromoethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	670	100	100	ug/Kg
CL85564	\$8260MAR	1,1,2,2-Tetrachloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	1300	20	20	ug/Kg
CL85564	\$8260MAR	Methylene chloride	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	6700	4000	4000	ug/Kg
CL85564	\$8260MAR	1,1,1,2-Tetrachloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	Vinyl chloride	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	3900	700	700	700	ug/Kg
CL85564	\$8260MAR	cis-1,2-Dichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	45000	6700	100	100	ug/Kg
CL85564	\$8260MAR	Chloroform	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	670	200	200	ug/Kg
CL85564	\$8260MAR	1,2-Dichloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	670	100	100	ug/Kg
CL85564	\$8260MAR	Bromomethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	2700	500	500	ug/Kg
CL85564	\$8260MAR	Bromoform	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	1300	1000	1000	ug/Kg
CL85564	\$8260MAR	Bromodichloromethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	1,2-Dichloropropane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	1300	100	100	ug/Kg
CL85564	\$8260MAR	Dibromochloromethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	1300	30	30	ug/Kg
CL85564	\$8260MAR	Tetrachloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-3	2500000	340000	30000	30000	ug/Kg
CL85564	\$8260MAR	Vinyl chloride	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-3	3900	700	1000	1000	ug/Kg
CL85564	\$8260MAR	Trichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-3	180000	6700	30000	30000	ug/Kg
CL85564	\$MCPADD-SM	1,4-Dioxane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	22000	200	200	ug/Kg
CL85564	\$MCPADD-SM	1,4-Dioxane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	22000	200	200	ug/Kg
CL85564	\$MCPADD-SM	1,4-Dioxane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	22000	6000	6000	ug/Kg
CL85564	\$MCPADD-SM	1,4-Dioxane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-3	ND	22000	20000	20000	ug/Kg
CL85565	\$8260MAR	1,1,2-Trichloroethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	Dibromochloromethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	140	5	5	ug/Kg
CL85565	\$8260MAR	Bromoform	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	Methyl t-butyl ether (MTBE)	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	Bromodichloromethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	Methylene chloride	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	710	100	100	ug/Kg
CL85565	\$8260MAR	cis-1,3-Dichloropropene	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	71	10	10	ug/Kg
CL85565	\$8260MAR	1,2-Dichloropropane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	cis-1,2-Dichloroethene	MA / CMR 310.40.1600 / S1 (mg/kg)	2800	710	100	100	ug/Kg
CL85565	\$8260MAR	Tetrachloroethene	MA / CMR 310.40.1600 / S1 (mg/kg)	420000	55000	1000	1000	ug/Kg
CL85565	\$8260MAR	1,1,2,2-Tetrachloroethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	140	5	5	ug/Kg

Friday, August 05, 2022

Criteria: MA: S1, S1G2, S1G3

State: MA

Sample Criteria Exceedances Report

GCL85562 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL85565	\$8260MAR	trans-1,3-Dichloropropene	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	71	10	10	ug/Kg
CL85565	\$8260MAR	Trichloroethene	MA / CMR 310.40.1600 / S1 (mg/kg)	13000	5500	300	300	ug/Kg
CL85565	\$8260MAR	1,1,1,2-Tetrachloroethane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	Methyl t-butyl ether (MTBE)	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	Tetrachloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	420000	55000	1000	1000	ug/Kg
CL85565	\$8260MAR	Dibromochloromethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	140	5	5	ug/Kg
CL85565	\$8260MAR	Trichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	13000	5500	300	300	ug/Kg
CL85565	\$8260MAR	Methylene chloride	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	710	100	100	ug/Kg
CL85565	\$8260MAR	1,1,2,2-Tetrachloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	140	5	5	ug/Kg
CL85565	\$8260MAR	Bromoform	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	1,1,1,2-Tetrachloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	Bromodichloromethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	1,2-Dichloropropane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	1,1,2-Trichloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	cis-1,2-Dichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	2800	710	300	300	ug/Kg
CL85565	\$8260MAR	Trichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	13000	5500	300	300	ug/Kg
CL85565	\$8260MAR	1,1,1,2-Tetrachloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	1,1,2,2-Tetrachloroethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	140	20	20	ug/Kg
CL85565	\$8260MAR	cis-1,2-Dichloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	2800	710	100	100	ug/Kg
CL85565	\$8260MAR	1,2-Dichloropropane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	Dibromochloromethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	140	30	30	ug/Kg
CL85565	\$8260MAR	Bromodichloromethane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	ND	140	100	100	ug/Kg
CL85565	\$8260MAR	Tetrachloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-2	420000	55000	10000	10000	ug/Kg
CL85565	\$8260MAR	Tetrachloroethene	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-3	420000	55000	30000	30000	ug/Kg
CL85565	\$MCPADD-SM	1,4-Dioxane	MA / CMR 310.40.1600 / S1 (mg/kg)	ND	2300	200	200	ug/Kg
CL85565	\$MCPADD-SM	1,4-Dioxane	MA / SOIL S-1 STANDARDS / S-1 Soil & GW-1	ND	2300	200	200	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Comments

August 05, 2022

SDG I.D.: GCL85562

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

VOA Narration

CHEM31 07/28/22-1: CL85566

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 33% (20%), Bromoform 28% (20%), 1,2-Dibromo-3-chloropropane 26% (20%), Methylene chloride 36% (20%), Naphthalene 31% (20%), trans-1,4-dichloro-2-butene 31% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.090 (0.1), Bromoform 0.097 (0.1), Tetrachloroethene 0.148 (0.2), Trichloroethene 0.198 (0.2)

The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Methylene chloride 38%L (30%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM31 07/29/22-2: CL85563, CL85565

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 26% (20%), Acetone 33% (20%), Bromoform 28% (20%), Methylene chloride 36% (20%), Naphthalene 31% (20%), trans-1,4-dichloro-2-butene 31% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.090 (0.1), Bromoform 0.097 (0.1)

The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Methylene chloride 36%L (30%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM31 08/01/22-2: CL85562, CL85563, CL85564, CL85565

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 26% (20%), Acetone 33% (20%), Bromoform 28% (20%), Methylene chloride 36% (20%), Naphthalene 31% (20%), trans-1,4-dichloro-2-butene 31% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.090 (0.1), Bromoform 0.097 (0.1), Tetrachloroethene 0.148 (0.2), Trichloroethene 0.198 (0.2)

The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Methylene chloride 34%L (30%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Customer: Property Environmental
Address: Newton

Project: Hudson Street
Report to: Dan Jaffe
Invoice to: _____
QUOTE # _____

Project P.O.: _____
This section **MUST** be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature _____ Date: _____

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe Oil=Oil
B=Bulk L=Liquid X = _____ (Other)

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
855502	B-1	5	7.21	8:00
855503	B-2	5	7.21	8:45
855504	B-3	5	7.21	10:30
855505	B-4	5	7.21	11:15
855506	B-5	5	7.21	12:30

Analysis Request

6928226

MS/MSD	GL VOA 8 oz WH3P04	GL VOA Vial (methanol) 100ml	GL VOA Vial (H2O)	GL Soil container (4 oz)	GL Amber 100ml Vial (HCL)	PL H2SO4 (250ml) 1000ml	PL H2SO4 (250ml) 1000ml	PL HNO3 250ml	Bacteria Bottle with no	Bacteria Bottle as is
4	1									
4	1									
4	1									
4	1									
4	1									

Relinquished by: <u>[Signature]</u>	Accepted by: <u>[Signature]</u>	Date: <u>7-21-22</u>	Time: <u>10:20</u>	RI ☐ (Residential) Direct Exposure	CT ☐ RCP Cert	MA ☐ MCP Certification	Data Format ☐ Excel
		<u>7/22</u>	<u>1700</u>	☐ (Comm/Industrial) Direct Exposure	☐ GW Protection	☐ GW-1 ☐ MWRA eSMART	☐ PDF
				☐ GA Leachability	☐ SW Protection	☐ GW-2 ☐ S-1 10% CALC	☐ GIS/Key
				☐ GB Leachability	☐ GA Mobility	☐ GW-3 ☐ S-1 GW-1 ☒ S-1 GW-2 ☒ S-1 GW-3	☐ EQUIS
				☐ GA-GW Objectives	☐ GB Mobility	☐ S-2 GW-1 ☐ S-2 GW-2 ☐ S-2 GW-3	☐ Other
				☐ GB-GW Objectives	☐ Residential DEC	☐ S-3 GW-1 ☐ S-3 GW-2 ☐ S-3 GW-3	☐ Data Package
					☐ I/C DEC	☐ SW Protection	☐ Tier II Checklist
							☐ Full Data Package*
							☐ Phoenix Std Report
							☐ Other

Comments, Special Requirements or Regulations: _____

Turnaround Time:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other

*MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.

State where samples were collected: MA

* SURCHARGE APPLIES

* SURCHARGE APPLIES



Thursday, August 11, 2022

Attn: Mr Daniel Jaffe
Property Environmental LLC
PO Box 590162
Newtown Centere, MA 02459

Project ID: HUDSON STREET-CAMBRIDGE
SDG ID: GCL97912
Sample ID#s: CL97912 - CL97916

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

August 11, 2022

SDG I.D.: GCL97912

8260 Analysis:

1,2-Dibromoethane doesn't meet GW-1 criteria, this compound is analyzed by GC/FID to achieve this criteria.

Phoenix reporting levels may exceed those referenced in the CAM protocol. Please refer to criteria sheet for comparisons to requested MCP standards.



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Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

August 11, 2022

SDG I.D.: GCL97912

Project ID: HUDSON STREET-CAMBRIDGE

Client Id	Lab Id	Matrix
MW-1	CL97912	GROUND WATER
MW-2	CL97913	GROUND WATER
MW-3	CL97914	GROUND WATER
MW-4	CL97915	GROUND WATER
BLANK	CL97916	GROUND WATER



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 11, 2022

FOR: Attn: Mr Daniel Jaffe
Property Environmental LLC
PO Box 590162
Newtown Centere, MA 02459

Sample Information

Matrix: GROUND WATER
Location Code: PROPENV
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

08/03/22

Time

15:33

Laboratory Data

SDG ID: GCL97912
Phoenix ID: CL97912

Project ID: HUDSON STREET-CAMBRIDGE
Client ID: MW-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	25	ug/L	100	08/08/22	MH	SW8260C
1,1,1-Trichloroethane	ND	100	ug/L	100	08/08/22	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	25	ug/L	100	08/08/22	MH	SW8260C
1,1,2-Trichloroethane	ND	100	ug/L	100	08/08/22	MH	SW8260C
1,1-Dichloroethane	ND	100	ug/L	100	08/08/22	MH	SW8260C
1,1-Dichloroethene	ND	80	ug/L	100	08/08/22	MH	SW8260C
1,1-Dichloropropene	ND	100	ug/L	100	08/08/22	MH	SW8260C
1,2,3-Trichlorobenzene	ND	100	ug/L	100	08/08/22	MH	SW8260C
1,2,3-Trichloropropane	ND	100	ug/L	100	08/08/22	MH	SW8260C
1,2,4-Trichlorobenzene	ND	100	ug/L	100	08/08/22	MH	SW8260C
1,2,4-Trimethylbenzene	140	100	ug/L	100	08/08/22	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	100	ug/L	100	08/08/22	MH	SW8260C
1,2-Dibromoethane	ND	25	ug/L	100	08/08/22	MH	SW8260C
1,2-Dichlorobenzene	ND	100	ug/L	100	08/08/22	MH	SW8260C
1,2-Dichloroethane	ND	25	ug/L	100	08/08/22	MH	SW8260C
1,2-Dichloropropane	ND	25	ug/L	100	08/08/22	MH	SW8260C
1,3,5-Trimethylbenzene	ND	100	ug/L	100	08/08/22	MH	SW8260C
1,3-Dichlorobenzene	ND	100	ug/L	100	08/08/22	MH	SW8260C
1,3-Dichloropropane	ND	100	ug/L	100	08/08/22	MH	SW8260C
1,4-Dichlorobenzene	ND	60	ug/L	100	08/08/22	MH	SW8260C
2,2-Dichloropropane	ND	100	ug/L	100	08/08/22	MH	SW8260C
2-Chlorotoluene	ND	100	ug/L	100	08/08/22	MH	SW8260C
2-Hexanone	ND	500	ug/L	100	08/08/22	MH	SW8260C
2-Isopropyltoluene	ND	100	ug/L	100	08/08/22	MH	SW8260C
4-Chlorotoluene	ND	100	ug/L	100	08/08/22	MH	SW8260C
4-Methyl-2-pentanone	ND	500	ug/L	100	08/08/22	MH	SW8260C

Client ID: MW-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	2500	ug/L	100	08/08/22	MH	SW8260C
Acrylonitrile	ND	100	ug/L	100	08/08/22	MH	SW8260C
Benzene	ND	70	ug/L	100	08/08/22	MH	SW8260C
Bromobenzene	ND	100	ug/L	100	08/08/22	MH	SW8260C
Bromochloromethane	ND	100	ug/L	100	08/08/22	MH	SW8260C
Bromodichloromethane	ND	25	ug/L	100	08/08/22	MH	SW8260C
Bromoform	ND	100	ug/L	100	08/08/22	MH	SW8260C
Bromomethane	ND	25	ug/L	100	08/08/22	MH	SW8260C
Carbon Disulfide	ND	500	ug/L	100	08/08/22	MH	SW8260C
Carbon tetrachloride	ND	25	ug/L	100	08/08/22	MH	SW8260C
Chlorobenzene	ND	100	ug/L	100	08/08/22	MH	SW8260C
Chloroethane	ND	100	ug/L	100	08/08/22	MH	SW8260C
Chloroform	ND	50	ug/L	100	08/08/22	MH	SW8260C
Chloromethane	ND	100	ug/L	100	08/08/22	MH	SW8260C
cis-1,2-Dichloroethene	28000	2000	ug/L	2000	08/07/22	MH	SW8260C
cis-1,3-Dichloropropene	ND	25	ug/L	100	08/08/22	MH	SW8260C
Dibromochloromethane	ND	25	ug/L	100	08/08/22	MH	SW8260C
Dibromomethane	ND	100	ug/L	100	08/08/22	MH	SW8260C
Dichlorodifluoromethane	ND	100	ug/L	100	08/08/22	MH	SW8260C
Ethylbenzene	ND	100	ug/L	100	08/08/22	MH	SW8260C
Hexachlorobutadiene	ND	40	ug/L	100	08/08/22	MH	SW8260C
Isopropylbenzene	ND	100	ug/L	100	08/08/22	MH	SW8260C
m&p-Xylene	ND	100	ug/L	100	08/08/22	MH	SW8260C
Methyl ethyl ketone	ND	500	ug/L	100	08/08/22	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	100	ug/L	100	08/08/22	MH	SW8260C
Methylene chloride	ND	100	ug/L	100	08/08/22	MH	SW8260C
Naphthalene	ND	100	ug/L	100	08/08/22	MH	SW8260C
n-Butylbenzene	ND	100	ug/L	100	08/08/22	MH	SW8260C
n-Propylbenzene	ND	100	ug/L	100	08/08/22	MH	SW8260C
o-Xylene	ND	100	ug/L	100	08/08/22	MH	SW8260C
p-Isopropyltoluene	ND	100	ug/L	100	08/08/22	MH	SW8260C
sec-Butylbenzene	ND	100	ug/L	100	08/08/22	MH	SW8260C
Styrene	ND	100	ug/L	100	08/08/22	MH	SW8260C
tert-Butylbenzene	ND	100	ug/L	100	08/08/22	MH	SW8260C
Tetrachloroethene	66000	5000	ug/L	5000	08/07/22	MH	SW8260C
Tetrahydrofuran (THF)	ND	250	ug/L	100	08/08/22	MH	SW8260C
Toluene	ND	100	ug/L	100	08/08/22	MH	SW8260C
Total Xylenes	ND	100	ug/L	100	08/08/22	MH	SW8260C
trans-1,2-Dichloroethene	200	100	ug/L	100	08/08/22	MH	SW8260C
trans-1,3-Dichloropropene	ND	25	ug/L	100	08/08/22	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	500	ug/L	100	08/08/22	MH	SW8260C
Trichloroethene	11000	2000	ug/L	2000	08/07/22	MH	SW8260C
Trichlorofluoromethane	ND	100	ug/L	100	08/08/22	MH	SW8260C
Trichlorotrifluoroethane	ND	100	ug/L	100	08/08/22	MH	SW8260C
Vinyl chloride	4800	2000	ug/L	2000	08/07/22	MH	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4 (100x)	100		%	100	08/08/22	MH	70 - 130 %
% Bromofluorobenzene (100x)	98		%	100	08/08/22	MH	70 - 130 %
% Dibromofluoromethane (100x)	105		%	100	08/08/22	MH	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8 (100x)	101		%	100	08/08/22	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (2000x)	93		%	2000	08/07/22	MH	70 - 130 %
% Bromofluorobenzene (2000x)	95		%	2000	08/07/22	MH	70 - 130 %
% Dibromofluoromethane (2000x)	103		%	2000	08/07/22	MH	70 - 130 %
% Toluene-d8 (2000x)	101		%	2000	08/07/22	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (5000x)	97		%	5000	08/07/22	MH	70 - 130 %
% Bromofluorobenzene (5000x)	94		%	5000	08/07/22	MH	70 - 130 %
% Dibromofluoromethane (5000x)	108		%	5000	08/07/22	MH	70 - 130 %
% Toluene-d8 (5000x)	100		%	5000	08/07/22	MH	70 - 130 %

Oxygenates & Dioxane

1,4-Dioxane	ND	6000	ug/L	100	08/08/22	MH	SW8260C (OXY)
Diethyl ether	ND	100	ug/L	100	08/08/22	MH	SW8260C (OXY)
Di-isopropyl ether	ND	100	ug/L	100	08/08/22	MH	SW8260C (OXY)
Ethyl tert-butyl ether	ND	100	ug/L	100	08/08/22	MH	SW8260C (OXY)
tert-amyl methyl ether	ND	100	ug/L	100	08/08/22	MH	SW8260C (OXY)

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

8260 Analysis:

1,4-Dioxane doesn't meet GW-1 criteria, this compound is analyzed by 8270SIM to achieve this criteria.

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 11, 2022

FOR: Attn: Mr Daniel Jaffe
Property Environmental LLC
PO Box 590162
Newtown Centere, MA 02459

Sample Information

Matrix: GROUND WATER
Location Code: PROPENV
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

08/03/22
08/04/22

Time

9:30
15:33

Laboratory Data

SDG ID: GCL97912
Phoenix ID: CL97913

Project ID: HUDSON STREET-CAMBRIDGE
Client ID: MW-2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	100	ug/L	400	08/05/22	MH	SW8260C
1,1,1-Trichloroethane	ND	400	ug/L	400	08/05/22	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	100	ug/L	400	08/05/22	MH	SW8260C
1,1,2-Trichloroethane	ND	400	ug/L	400	08/05/22	MH	SW8260C
1,1-Dichloroethane	ND	400	ug/L	400	08/05/22	MH	SW8260C
1,1-Dichloroethene	ND	100	ug/L	400	08/05/22	MH	SW8260C
1,1-Dichloropropene	ND	400	ug/L	400	08/05/22	MH	SW8260C
1,2,3-Trichlorobenzene	ND	400	ug/L	400	08/05/22	MH	SW8260C
1,2,3-Trichloropropane	ND	400	ug/L	400	08/05/22	MH	SW8260C
1,2,4-Trichlorobenzene	ND	200	ug/L	400	08/05/22	MH	SW8260C
1,2,4-Trimethylbenzene	ND	400	ug/L	400	08/05/22	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	400	ug/L	400	08/05/22	MH	SW8260C
1,2-Dibromoethane	ND	100	ug/L	400	08/05/22	MH	SW8260C
1,2-Dichlorobenzene	ND	400	ug/L	400	08/05/22	MH	SW8260C
1,2-Dichloroethane	ND	100	ug/L	400	08/05/22	MH	SW8260C
1,2-Dichloropropane	ND	100	ug/L	400	08/05/22	MH	SW8260C
1,3,5-Trimethylbenzene	ND	400	ug/L	400	08/05/22	MH	SW8260C
1,3-Dichlorobenzene	ND	400	ug/L	400	08/05/22	MH	SW8260C
1,3-Dichloropropane	ND	400	ug/L	400	08/05/22	MH	SW8260C
1,4-Dichlorobenzene	ND	100	ug/L	400	08/05/22	MH	SW8260C
2,2-Dichloropropane	ND	400	ug/L	400	08/05/22	MH	SW8260C
2-Chlorotoluene	ND	400	ug/L	400	08/05/22	MH	SW8260C
2-Hexanone	ND	2000	ug/L	400	08/05/22	MH	SW8260C
2-Isopropyltoluene	ND	400	ug/L	400	08/05/22	MH	SW8260C
4-Chlorotoluene	ND	400	ug/L	400	08/05/22	MH	SW8260C
4-Methyl-2-pentanone	ND	2000	ug/L	400	08/05/22	MH	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	10000	ug/L	400	08/05/22	MH	SW8260C
Acrylonitrile	ND	400	ug/L	400	08/05/22	MH	SW8260C
Benzene	ND	280	ug/L	400	08/05/22	MH	SW8260C
Bromobenzene	ND	400	ug/L	400	08/05/22	MH	SW8260C
Bromochloromethane	ND	400	ug/L	400	08/05/22	MH	SW8260C
Bromodichloromethane	ND	100	ug/L	400	08/05/22	MH	SW8260C
Bromoform	ND	400	ug/L	400	08/05/22	MH	SW8260C
Bromomethane	ND	100	ug/L	400	08/05/22	MH	SW8260C
Carbon Disulfide	ND	2000	ug/L	400	08/05/22	MH	SW8260C
Carbon tetrachloride	ND	100	ug/L	400	08/05/22	MH	SW8260C
Chlorobenzene	ND	200	ug/L	400	08/05/22	MH	SW8260C
Chloroethane	ND	400	ug/L	400	08/05/22	MH	SW8260C
Chloroform	ND	100	ug/L	400	08/05/22	MH	SW8260C
Chloromethane	ND	400	ug/L	400	08/05/22	MH	SW8260C
cis-1,2-Dichloroethene	12000	2000	ug/L	2000	08/07/22	MH	SW8260C
cis-1,3-Dichloropropene	ND	100	ug/L	400	08/05/22	MH	SW8260C
Dibromochloromethane	ND	100	ug/L	400	08/05/22	MH	SW8260C
Dibromomethane	ND	400	ug/L	400	08/05/22	MH	SW8260C
Dichlorodifluoromethane	ND	400	ug/L	400	08/05/22	MH	SW8260C
Ethylbenzene	ND	400	ug/L	400	08/05/22	MH	SW8260C
Hexachlorobutadiene	ND	100	ug/L	400	08/05/22	MH	SW8260C
Isopropylbenzene	ND	400	ug/L	400	08/05/22	MH	SW8260C
m&p-Xylene	ND	400	ug/L	400	08/05/22	MH	SW8260C
Methyl ethyl ketone	ND	2000	ug/L	400	08/05/22	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	400	ug/L	400	08/05/22	MH	SW8260C
Methylene chloride	ND	400	ug/L	400	08/05/22	MH	SW8260C
Naphthalene	ND	400	ug/L	400	08/05/22	MH	SW8260C
n-Butylbenzene	ND	400	ug/L	400	08/05/22	MH	SW8260C
n-Propylbenzene	ND	400	ug/L	400	08/05/22	MH	SW8260C
o-Xylene	ND	400	ug/L	400	08/05/22	MH	SW8260C
p-Isopropyltoluene	ND	400	ug/L	400	08/05/22	MH	SW8260C
sec-Butylbenzene	ND	400	ug/L	400	08/05/22	MH	SW8260C
Styrene	ND	100	ug/L	400	08/05/22	MH	SW8260C
tert-Butylbenzene	ND	400	ug/L	400	08/05/22	MH	SW8260C
Tetrachloroethene	28000	2000	ug/L	2000	08/07/22	MH	SW8260C
Tetrahydrofuran (THF)	ND	1000	ug/L	400	08/05/22	MH	SW8260C
Toluene	ND	400	ug/L	400	08/05/22	MH	SW8260C
Total Xylenes	ND	400	ug/L	400	08/05/22	MH	SW8260C
trans-1,2-Dichloroethene	ND	100	ug/L	400	08/05/22	MH	SW8260C
trans-1,3-Dichloropropene	ND	100	ug/L	400	08/05/22	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	1000	ug/L	400	08/05/22	MH	SW8260C
Trichloroethene	1900	400	ug/L	400	08/05/22	MH	SW8260C
Trichlorofluoromethane	ND	400	ug/L	400	08/05/22	MH	SW8260C
Trichlorotrifluoroethane	ND	400	ug/L	400	08/05/22	MH	SW8260C
Vinyl chloride	400	100	ug/L	400	08/05/22	MH	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4 (400x)	101		%	400	08/05/22	MH	70 - 130 %
% Bromofluorobenzene (400x)	100		%	400	08/05/22	MH	70 - 130 %
% Dibromofluoromethane (400x)	105		%	400	08/05/22	MH	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8 (400x)	101		%	400	08/05/22	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (2000x)	96		%	2000	08/07/22	MH	70 - 130 %
% Bromofluorobenzene (2000x)	94		%	2000	08/07/22	MH	70 - 130 %
% Dibromofluoromethane (2000x)	104		%	2000	08/07/22	MH	70 - 130 %
% Toluene-d8 (2000x)	101		%	2000	08/07/22	MH	70 - 130 %

Oxygenates & Dioxane

1,4-Dioxane	ND	16000	ug/L	400	08/05/22	MH	SW8260C (OXY)
Diethyl ether	ND	400	ug/L	400	08/05/22	MH	SW8260C (OXY)
Di-isopropyl ether	ND	400	ug/L	400	08/05/22	MH	SW8260C (OXY)
Ethyl tert-butyl ether	ND	400	ug/L	400	08/05/22	MH	SW8260C (OXY)
tert-amyl methyl ether	ND	400	ug/L	400	08/05/22	MH	SW8260C (OXY)

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

8260 Analysis:

1,4-Dioxane doesn't meet GW-1 criteria, this compound is analyzed by 8270SIM to achieve this criteria.

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 11, 2022

FOR: Attn: Mr Daniel Jaffe
Property Environmental LLC
PO Box 590162
Newtown Centere, MA 02459

Sample Information

Matrix: GROUND WATER
Location Code: PROPENV
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

08/03/22
08/04/22

Time

9:05
15:33

Laboratory Data

SDG ID: GCL97912
Phoenix ID: CL97914

Project ID: HUDSON STREET-CAMBRIDGE
Client ID: MW-3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	10	ug/L	20	08/05/22	MH	SW8260C
1,1,1-Trichloroethane	ND	20	ug/L	20	08/05/22	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	9.0	ug/L	20	08/05/22	MH	SW8260C
1,1,2-Trichloroethane	ND	20	ug/L	20	08/05/22	MH	SW8260C
1,1-Dichloroethane	ND	20	ug/L	20	08/05/22	MH	SW8260C
1,1-Dichloroethene	23	20	ug/L	20	08/05/22	MH	SW8260C
1,1-Dichloropropene	ND	20	ug/L	20	08/05/22	MH	SW8260C
1,2,3-Trichlorobenzene	ND	20	ug/L	20	08/05/22	MH	SW8260C
1,2,3-Trichloropropane	ND	20	ug/L	20	08/05/22	MH	SW8260C
1,2,4-Trichlorobenzene	ND	20	ug/L	20	08/05/22	MH	SW8260C
1,2,4-Trimethylbenzene	65	20	ug/L	20	08/05/22	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	20	ug/L	20	08/05/22	MH	SW8260C
1,2-Dibromoethane	ND	5.0	ug/L	20	08/05/22	MH	SW8260C
1,2-Dichlorobenzene	ND	20	ug/L	20	08/05/22	MH	SW8260C
1,2-Dichloroethane	ND	5.0	ug/L	20	08/05/22	MH	SW8260C
1,2-Dichloropropane	ND	5.0	ug/L	20	08/05/22	MH	SW8260C
1,3,5-Trimethylbenzene	ND	20	ug/L	20	08/05/22	MH	SW8260C
1,3-Dichlorobenzene	ND	20	ug/L	20	08/05/22	MH	SW8260C
1,3-Dichloropropane	ND	20	ug/L	20	08/05/22	MH	SW8260C
1,4-Dichlorobenzene	ND	20	ug/L	20	08/05/22	MH	SW8260C
2,2-Dichloropropane	ND	20	ug/L	20	08/05/22	MH	SW8260C
2-Chlorotoluene	ND	20	ug/L	20	08/05/22	MH	SW8260C
2-Hexanone	ND	100	ug/L	20	08/05/22	MH	SW8260C
2-Isopropyltoluene	ND	20	ug/L	20	08/05/22	MH	SW8260C
4-Chlorotoluene	ND	20	ug/L	20	08/05/22	MH	SW8260C
4-Methyl-2-pentanone	ND	100	ug/L	20	08/05/22	MH	SW8260C

Client ID: MW-3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	500	ug/L	20	08/05/22	MH	SW8260C
Acrylonitrile	ND	20	ug/L	20	08/05/22	MH	SW8260C
Benzene	ND	14	ug/L	20	08/05/22	MH	SW8260C
Bromobenzene	ND	20	ug/L	20	08/05/22	MH	SW8260C
Bromochloromethane	ND	20	ug/L	20	08/05/22	MH	SW8260C
Bromodichloromethane	ND	6.0	ug/L	20	08/05/22	MH	SW8260C
Bromoform	ND	20	ug/L	20	08/05/22	MH	SW8260C
Bromomethane	ND	7.0	ug/L	20	08/05/22	MH	SW8260C
Carbon Disulfide	ND	100	ug/L	20	08/05/22	MH	SW8260C
Carbon tetrachloride	ND	5.0	ug/L	20	08/05/22	MH	SW8260C
Chlorobenzene	ND	20	ug/L	20	08/05/22	MH	SW8260C
Chloroethane	ND	20	ug/L	20	08/05/22	MH	SW8260C
Chloroform	ND	20	ug/L	20	08/05/22	MH	SW8260C
Chloromethane	ND	20	ug/L	20	08/05/22	MH	SW8260C
cis-1,2-Dichloroethene	16000	1000	ug/L	1000	08/08/22	MH	SW8260C
cis-1,3-Dichloropropene	ND	5.0	ug/L	20	08/05/22	MH	SW8260C
Dibromochloromethane	ND	10	ug/L	20	08/05/22	MH	SW8260C
Dibromomethane	ND	20	ug/L	20	08/05/22	MH	SW8260C
Dichlorodifluoromethane	ND	20	ug/L	20	08/05/22	MH	SW8260C
Ethylbenzene	ND	20	ug/L	20	08/05/22	MH	SW8260C
Hexachlorobutadiene	ND	8.0	ug/L	20	08/05/22	MH	SW8260C
Isopropylbenzene	ND	20	ug/L	20	08/05/22	MH	SW8260C
m&p-Xylene	ND	20	ug/L	20	08/05/22	MH	SW8260C
Methyl ethyl ketone	ND	100	ug/L	20	08/05/22	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	20	ug/L	20	08/05/22	MH	SW8260C
Methylene chloride	ND	20	ug/L	20	08/05/22	MH	SW8260C
Naphthalene	ND	20	ug/L	20	08/05/22	MH	SW8260C
n-Butylbenzene	ND	20	ug/L	20	08/05/22	MH	SW8260C
n-Propylbenzene	ND	20	ug/L	20	08/05/22	MH	SW8260C
o-Xylene	37	20	ug/L	20	08/05/22	MH	SW8260C
p-Isopropyltoluene	ND	20	ug/L	20	08/05/22	MH	SW8260C
sec-Butylbenzene	ND	20	ug/L	20	08/05/22	MH	SW8260C
Styrene	ND	20	ug/L	20	08/05/22	MH	SW8260C
tert-Butylbenzene	ND	20	ug/L	20	08/05/22	MH	SW8260C
Tetrachloroethene	7300	400	ug/L	400	08/07/22	MH	SW8260C
Tetrahydrofuran (THF)	ND	50	ug/L	20	08/05/22	MH	SW8260C
Toluene	ND	20	ug/L	20	08/05/22	MH	SW8260C
Total Xylenes	37	20	ug/L	20	08/05/22	MH	SW8260C
trans-1,2-Dichloroethene	230	20	ug/L	20	08/05/22	MH	SW8260C
trans-1,3-Dichloropropene	ND	5.0	ug/L	20	08/05/22	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	100	ug/L	20	08/05/22	MH	SW8260C
Trichloroethene	4300	400	ug/L	400	08/07/22	MH	SW8260C
Trichlorofluoromethane	ND	20	ug/L	20	08/05/22	MH	SW8260C
Trichlorotrifluoroethane	ND	20	ug/L	20	08/05/22	MH	SW8260C
Vinyl chloride	11000	400	ug/L	400	08/07/22	MH	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4 (20x)	102		%	20	08/05/22	MH	70 - 130 %
% Bromofluorobenzene (20x)	104		%	20	08/05/22	MH	70 - 130 %
% Dibromofluoromethane (20x)	103		%	20	08/05/22	MH	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8 (20x)	109		%	20	08/05/22	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (400x)	97		%	400	08/07/22	MH	70 - 130 %
% Bromofluorobenzene (400x)	95		%	400	08/07/22	MH	70 - 130 %
% Dibromofluoromethane (400x)	107		%	400	08/07/22	MH	70 - 130 %
% Toluene-d8 (400x)	99		%	400	08/07/22	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (1000x)	99		%	1000	08/08/22	MH	70 - 130 %
% Bromofluorobenzene (1000x)	96		%	1000	08/08/22	MH	70 - 130 %
% Dibromofluoromethane (1000x)	99		%	1000	08/08/22	MH	70 - 130 %
% Toluene-d8 (1000x)	100		%	1000	08/08/22	MH	70 - 130 %

Oxygenates & Dioxane

1,4-Dioxane	ND	2000	ug/L	20	08/05/22	MH	SW8260C (OXY)
Diethyl ether	ND	20	ug/L	20	08/05/22	MH	SW8260C (OXY)
Di-isopropyl ether	ND	20	ug/L	20	08/05/22	MH	SW8260C (OXY)
Ethyl tert-butyl ether	ND	20	ug/L	20	08/05/22	MH	SW8260C (OXY)
tert-amyl methyl ether	ND	20	ug/L	20	08/05/22	MH	SW8260C (OXY)

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

8260 Analysis:

1,4-Dioxane doesn't meet GW-1 criteria, this compound is analyzed by 8270SIM to achieve this criteria.

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 11, 2022

FOR: Attn: Mr Daniel Jaffe
Property Environmental LLC
PO Box 590162
Newtown Centere, MA 02459

Sample Information

Matrix: GROUND WATER
Location Code: PROPENV
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

08/03/22
08/04/22

Time

9:20
15:33

Laboratory Data

SDG ID: GCL97912
Phoenix ID: CL97915

Project ID: HUDSON STREET-CAMBRIDGE
Client ID: MW-4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	10	ug/L	20	08/07/22	MH	SW8260C
1,1,1-Trichloroethane	ND	20	ug/L	20	08/07/22	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	9.0	ug/L	20	08/07/22	MH	SW8260C
1,1,2-Trichloroethane	ND	20	ug/L	20	08/07/22	MH	SW8260C
1,1-Dichloroethane	ND	20	ug/L	20	08/07/22	MH	SW8260C
1,1-Dichloroethene	ND	20	ug/L	20	08/07/22	MH	SW8260C
1,1-Dichloropropene	ND	20	ug/L	20	08/07/22	MH	SW8260C
1,2,3-Trichlorobenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
1,2,3-Trichloropropane	ND	20	ug/L	20	08/07/22	MH	SW8260C
1,2,4-Trichlorobenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
1,2,4-Trimethylbenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	20	ug/L	20	08/07/22	MH	SW8260C
1,2-Dibromoethane	ND	5.0	ug/L	20	08/07/22	MH	SW8260C
1,2-Dichlorobenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
1,2-Dichloroethane	ND	5.0	ug/L	20	08/07/22	MH	SW8260C
1,2-Dichloropropane	ND	5.0	ug/L	20	08/07/22	MH	SW8260C
1,3,5-Trimethylbenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
1,3-Dichlorobenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
1,3-Dichloropropane	ND	20	ug/L	20	08/07/22	MH	SW8260C
1,4-Dichlorobenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
2,2-Dichloropropane	ND	20	ug/L	20	08/07/22	MH	SW8260C
2-Chlorotoluene	ND	20	ug/L	20	08/07/22	MH	SW8260C
2-Hexanone	ND	100	ug/L	20	08/07/22	MH	SW8260C
2-Isopropyltoluene	ND	20	ug/L	20	08/07/22	MH	SW8260C
4-Chlorotoluene	ND	20	ug/L	20	08/07/22	MH	SW8260C
4-Methyl-2-pentanone	ND	100	ug/L	20	08/07/22	MH	SW8260C

Client ID: MW-4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	500	ug/L	20	08/07/22	MH	SW8260C
Acrylonitrile	ND	20	ug/L	20	08/07/22	MH	SW8260C
Benzene	ND	14	ug/L	20	08/07/22	MH	SW8260C
Bromobenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
Bromochloromethane	ND	20	ug/L	20	08/07/22	MH	SW8260C
Bromodichloromethane	ND	6.0	ug/L	20	08/07/22	MH	SW8260C
Bromoform	ND	20	ug/L	20	08/07/22	MH	SW8260C
Bromomethane	ND	7.0	ug/L	20	08/07/22	MH	SW8260C
Carbon Disulfide	ND	100	ug/L	20	08/07/22	MH	SW8260C
Carbon tetrachloride	ND	5.0	ug/L	20	08/07/22	MH	SW8260C
Chlorobenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
Chloroethane	ND	20	ug/L	20	08/07/22	MH	SW8260C
Chloroform	ND	20	ug/L	20	08/07/22	MH	SW8260C
Chloromethane	ND	20	ug/L	20	08/07/22	MH	SW8260C
cis-1,2-Dichloroethene	290	20	ug/L	20	08/07/22	MH	SW8260C
cis-1,3-Dichloropropene	ND	5.0	ug/L	20	08/07/22	MH	SW8260C
Dibromochloromethane	ND	10	ug/L	20	08/07/22	MH	SW8260C
Dibromomethane	ND	20	ug/L	20	08/07/22	MH	SW8260C
Dichlorodifluoromethane	ND	20	ug/L	20	08/07/22	MH	SW8260C
Ethylbenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
Hexachlorobutadiene	ND	8.0	ug/L	20	08/07/22	MH	SW8260C
Isopropylbenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
m&p-Xylene	ND	20	ug/L	20	08/07/22	MH	SW8260C
Methyl ethyl ketone	ND	100	ug/L	20	08/07/22	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	20	ug/L	20	08/07/22	MH	SW8260C
Methylene chloride	ND	20	ug/L	20	08/07/22	MH	SW8260C
Naphthalene	ND	20	ug/L	20	08/07/22	MH	SW8260C
n-Butylbenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
n-Propylbenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
o-Xylene	ND	20	ug/L	20	08/07/22	MH	SW8260C
p-Isopropyltoluene	ND	20	ug/L	20	08/07/22	MH	SW8260C
sec-Butylbenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
Styrene	ND	20	ug/L	20	08/07/22	MH	SW8260C
tert-Butylbenzene	ND	20	ug/L	20	08/07/22	MH	SW8260C
Tetrachloroethene	2900	400	ug/L	400	08/07/22	MH	SW8260C
Tetrahydrofuran (THF)	ND	50	ug/L	20	08/07/22	MH	SW8260C
Toluene	ND	20	ug/L	20	08/07/22	MH	SW8260C
Total Xylenes	ND	20	ug/L	20	08/07/22	MH	SW8260C
trans-1,2-Dichloroethene	ND	20	ug/L	20	08/07/22	MH	SW8260C
trans-1,3-Dichloropropene	ND	5.0	ug/L	20	08/07/22	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	100	ug/L	20	08/07/22	MH	SW8260C
Trichloroethene	140	20	ug/L	20	08/07/22	MH	SW8260C
Trichlorofluoromethane	ND	20	ug/L	20	08/07/22	MH	SW8260C
Trichlorotrifluoroethane	ND	20	ug/L	20	08/07/22	MH	SW8260C
Vinyl chloride	150	20	ug/L	20	08/07/22	MH	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4 (20x)	97		%	20	08/07/22	MH	70 - 130 %
% Bromofluorobenzene (20x)	94		%	20	08/07/22	MH	70 - 130 %
% Dibromofluoromethane (20x)	103		%	20	08/07/22	MH	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8 (20x)	101		%	20	08/07/22	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (400x)	98		%	400	08/07/22	MH	70 - 130 %
% Bromofluorobenzene (400x)	95		%	400	08/07/22	MH	70 - 130 %
% Dibromofluoromethane (400x)	100		%	400	08/07/22	MH	70 - 130 %
% Toluene-d8 (400x)	99		%	400	08/07/22	MH	70 - 130 %

Oxygenates & Dioxane

1,4-Dioxane	ND	2000	ug/L	20	08/07/22	MH	SW8260C (OXY)
Diethyl ether	ND	20	ug/L	20	08/07/22	MH	SW8260C (OXY)
Di-isopropyl ether	ND	20	ug/L	20	08/07/22	MH	SW8260C (OXY)
Ethyl tert-butyl ether	ND	20	ug/L	20	08/07/22	MH	SW8260C (OXY)
tert-amyl methyl ether	ND	20	ug/L	20	08/07/22	MH	SW8260C (OXY)

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

8260 Analysis:

1,4-Dioxane doesn't meet GW-1 criteria, this compound is analyzed by 8270SIM to achieve this criteria.

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 11, 2022

FOR: Attn: Mr Daniel Jaffe
Property Environmental LLC
PO Box 590162
Newtown Centere, MA 02459

Sample Information

Matrix: GROUND WATER
Location Code: PROPENV
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

08/03/22
08/04/22

Time

10:30
15:33

Laboratory Data

SDG ID: GCL97912
Phoenix ID: CL97916

Project ID: HUDSON STREET-CAMBRIDGE
Client ID: BLANK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	08/05/22	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	08/05/22	MH	SW8260C
1,2-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,3-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
2,2-Dichloropropane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
2-Chlorotoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
2-Hexanone	ND	5.0	ug/L	1	08/05/22	MH	SW8260C
2-Isopropyltoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
4-Chlorotoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
4-Methyl-2-pentanone	ND	5.0	ug/L	1	08/05/22	MH	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	25	ug/L	1	08/05/22	MH	SW8260C
Acrylonitrile	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Benzene	ND	0.70	ug/L	1	08/05/22	MH	SW8260C
Bromobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Bromochloromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Bromodichloromethane	ND	0.50	ug/L	1	08/05/22	MH	SW8260C
Bromoform	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Bromomethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Carbon Disulfide	ND	5.0	ug/L	1	08/05/22	MH	SW8260C
Carbon tetrachloride	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Chlorobenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Chloroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Chloroform	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Chloromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	08/05/22	MH	SW8260C
Dibromochloromethane	ND	0.50	ug/L	1	08/05/22	MH	SW8260C
Dibromomethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Hexachlorobutadiene	ND	0.40	ug/L	1	08/05/22	MH	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
m&p-Xylene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Methyl ethyl ketone	ND	5.0	ug/L	1	08/05/22	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Methylene chloride	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Naphthalene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
o-Xylene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
sec-Butylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Styrene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Tetrachloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	08/05/22	MH	SW8260C
Toluene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Total Xylenes	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	08/05/22	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	08/05/22	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	08/05/22	MH	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	97		%	1	08/05/22	MH	70 - 130 %
% Bromofluorobenzene	95		%	1	08/05/22	MH	70 - 130 %
% Dibromofluoromethane	98		%	1	08/05/22	MH	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98		%	1	08/05/22	MH	70 - 130 %

Oxygenates & Dioxane

1,4-Dioxane	ND	100	ug/L	1	08/05/22	MH	SW8260C (OXY)
Diethyl ether	ND	1.0	ug/L	1	08/05/22	MH	SW8260C (OXY)
Di-isopropyl ether	ND	1.0	ug/L	1	08/05/22	MH	SW8260C (OXY)
Ethyl tert-butyl ether	ND	1.0	ug/L	1	08/05/22	MH	SW8260C (OXY)
tert-amyl methyl ether	ND	1.0	ug/L	1	08/05/22	MH	SW8260C (OXY)

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

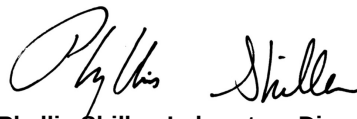
Comments:

TRIP BLANK INCLUDED.

8260 Analysis:

1,4-Dioxane doesn't meet GW-1 criteria, this compound is analyzed by 8270SIM to achieve this criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 11, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

August 11, 2022

QA/QC Data

SDG I.D.: GCL97912

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 636709 (ug/L), QC Sample No: CL91140 (CL97914 (1000X))										
<u>Volatiles - Ground Water</u>										
cis-1,2-Dichloroethene	ND	1.0	96	101	5.1				70 - 130	20
% 1,2-dichlorobenzene-d4	98	%	99	98	1.0				70 - 130	20
% Bromofluorobenzene	95	%	101	100	1.0				70 - 130	20
% Dibromofluoromethane	98	%	93	96	3.2				70 - 130	20
% Toluene-d8	101	%	101	101	0.0				70 - 130	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 10%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

QA/QC Batch 636405 (ug/L), QC Sample No: CL97188 (CL97913 (400X) , CL97914 (20X) , CL97916)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	106	117	9.9				70 - 130	20
1,1,1-Trichloroethane	ND	1.0	121	118	2.5				70 - 130	20
1,1,2,2-Tetrachloroethane	ND	0.50	113	117	3.5				70 - 130	20
1,1,2-Trichloroethane	ND	1.0	114	118	3.4				70 - 130	20
1,1-Dichloroethane	ND	1.0	103	114	10.1				70 - 130	20
1,1-Dichloroethene	ND	1.0	108	111	2.7				70 - 130	20
1,1-Dichloropropene	ND	1.0	124	128	3.2				70 - 130	20
1,2,3-Trichlorobenzene	ND	1.0	132	142	7.3				70 - 130	20
1,2,3-Trichloropropane	ND	1.0	115	118	2.6				70 - 130	20
1,2,4-Trichlorobenzene	ND	1.0	115	129	11.5				70 - 130	20
1,2,4-Trimethylbenzene	ND	1.0	105	116	10.0				70 - 130	20
1,2-Dibromo-3-chloropropane	ND	1.0	119	114	4.3				70 - 130	20
1,2-Dibromoethane	ND	1.0	111	117	5.3				70 - 130	20
1,2-Dichlorobenzene	ND	1.0	106	117	9.9				70 - 130	20
1,2-Dichloroethane	ND	1.0	113	119	5.2				70 - 130	20
1,2-Dichloropropane	ND	1.0	108	117	8.0				70 - 130	20
1,3,5-Trimethylbenzene	ND	1.0	105	115	9.1				70 - 130	20
1,3-Dichlorobenzene	ND	1.0	104	116	10.9				70 - 130	20
1,3-Dichloropropane	ND	1.0	111	115	3.5				70 - 130	20
1,4-Dichlorobenzene	ND	1.0	104	115	10.0				70 - 130	20
1,4-dioxane	ND	100	101	103	2.0				40 - 160	20
2,2-Dichloropropane	ND	1.0	87	115	27.7				70 - 130	20
2-Chlorotoluene	ND	1.0	104	115	10.0				70 - 130	20
2-Hexanone	ND	5.0	114	112	1.8				40 - 160	20
2-Isopropyltoluene	ND	1.0	104	115	10.0				70 - 130	20
4-Chlorotoluene	ND	1.0	105	117	10.8				70 - 130	20
4-Methyl-2-pentanone	ND	5.0	120	118	1.7				40 - 160	20
Acetone	ND	5.0	105	95	10.0				40 - 160	20

QA/QC Data

SDG I.D.: GCL97912

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Acrylonitrile	ND	5.0	110	104	5.6				70 - 130	20
Benzene	ND	0.70	105	116	10.0				70 - 130	20
Bromobenzene	ND	1.0	106	117	9.9				70 - 130	20
Bromochloromethane	ND	1.0	109	118	7.9				70 - 130	20
Bromodichloromethane	ND	0.50	109	118	7.9				70 - 130	20
Bromoform	ND	1.0	107	109	1.9				70 - 130	20
Bromomethane	ND	1.0	70	80	13.3				40 - 160	20
Carbon Disulfide	ND	1.0	99	103	4.0				70 - 130	20
Carbon tetrachloride	ND	1.0	113	109	3.6				70 - 130	20
Chlorobenzene	ND	1.0	105	116	10.0				70 - 130	20
Chloroethane	ND	1.0	102	110	7.5				70 - 130	20
Chloroform	ND	1.0	97	106	8.9				70 - 130	20
Chloromethane	ND	1.0	99	105	5.9				40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	106	117	9.9				70 - 130	20
cis-1,3-Dichloropropene	ND	0.40	106	116	9.0				70 - 130	20
Dibromochloromethane	ND	0.50	107	114	6.3				70 - 130	20
Dibromomethane	ND	1.0	117	117	0.0				70 - 130	20
Dichlorodifluoromethane	ND	1.0	107	103	3.8				40 - 160	20
Di-isopropyl ether	ND	1.0	106	115	8.1				70 - 130	20
Ethyl ether	ND	1.0	107	109	1.9				70 - 130	20
Ethyl tert-butyl ether	ND	1.0	108	114	5.4				70 - 130	20
Ethylbenzene	ND	1.0	105	116	10.0				70 - 130	20
Hexachlorobutadiene	ND	0.40	107	115	7.2				70 - 130	20
Isopropylbenzene	ND	1.0	104	113	8.3				70 - 130	20
m&p-Xylene	ND	1.0	105	116	10.0				70 - 130	20
Methyl ethyl ketone	ND	5.0	135	135	0.0				40 - 160	20
Methyl t-butyl ether (MTBE)	ND	1.0	112	113	0.9				70 - 130	20
Methylene chloride	ND	1.0	88	94	6.6				70 - 130	20
Naphthalene	ND	1.0	127	130	2.3				70 - 130	20
n-Butylbenzene	ND	1.0	109	118	7.9				70 - 130	20
n-Propylbenzene	ND	1.0	105	115	9.1				70 - 130	20
o-Xylene	ND	1.0	105	116	10.0				70 - 130	20
p-Isopropyltoluene	ND	1.0	107	115	7.2				70 - 130	20
sec-Butylbenzene	ND	1.0	107	114	6.3				70 - 130	20
Styrene	ND	1.0	108	119	9.7				70 - 130	20
tert-amyl methyl ether	ND	1.0	110	115	4.4				70 - 130	20
tert-Butylbenzene	ND	1.0	106	114	7.3				70 - 130	20
Tetrachloroethene	ND	1.0	107	114	6.3				70 - 130	20
Tetrahydrofuran (THF)	ND	2.5	135	116	15.1				70 - 130	20
Toluene	ND	1.0	106	115	8.1				70 - 130	20
trans-1,2-Dichloroethene	ND	1.0	104	111	6.5				70 - 130	20
trans-1,3-Dichloropropene	ND	0.40	109	116	6.2				70 - 130	20
trans-1,4-dichloro-2-butene	ND	5.0	101	107	5.8				70 - 130	20
Trichloroethene	ND	1.0	107	115	7.2				70 - 130	20
Trichlorofluoromethane	ND	1.0	111	111	0.0				70 - 130	20
Trichlorotrifluoroethane	ND	1.0	101	101	0.0				70 - 130	20
Vinyl chloride	ND	1.0	111	114	2.7				70 - 130	20
% 1,2-dichlorobenzene-d4	102	%	101	101	0.0				70 - 130	20
% Bromofluorobenzene	99	%	101	101	0.0				70 - 130	20
% Dibromofluoromethane	99	%	112	102	9.3				70 - 130	20
% Toluene-d8	100	%	101	99	2.0				70 - 130	20

QA/QC Data

SDG I.D.: GCL97912

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Comment:										
Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 10%.										
The RPD criteria for the LCS/LCSD is 20%,										
The MS/MSD RPD criteria is listed above.										
QA/QC Batch 636546 (ug/L), QC Sample No: CL98887 (CL97912 (2000X, 5000X) , CL97913 (2000X) , CL97914 (400X) , CL97915 (20X, 400X))										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	100	101	1.0				70 - 130	20
1,1,1-Trichloroethane	ND	1.0	113	107	5.5				70 - 130	20
1,1,2,2-Tetrachloroethane	ND	0.50	105	108	2.8				70 - 130	20
1,1,2-Trichloroethane	ND	1.0	105	107	1.9				70 - 130	20
1,1-Dichloroethane	ND	1.0	102	104	1.9				70 - 130	20
1,1-Dichloroethene	ND	1.0	102	105	2.9				70 - 130	20
1,1-Dichloropropene	ND	1.0	112	117	4.4				70 - 130	20
1,2,3-Trichlorobenzene	ND	1.0	106	106	0.0				70 - 130	20
1,2,3-Trichloropropane	ND	1.0	106	109	2.8				70 - 130	20
1,2,4-Trichlorobenzene	ND	1.0	99	102	3.0				70 - 130	20
1,2,4-Trimethylbenzene	ND	1.0	98	100	2.0				70 - 130	20
1,2-Dibromo-3-chloropropane	ND	1.0	101	106	4.8				70 - 130	20
1,2-Dibromoethane	ND	1.0	105	108	2.8				70 - 130	20
1,2-Dichlorobenzene	ND	1.0	100	101	1.0				70 - 130	20
1,2-Dichloroethane	ND	1.0	106	109	2.8				70 - 130	20
1,2-Dichloropropane	ND	1.0	102	103	1.0				70 - 130	20
1,3,5-Trimethylbenzene	ND	1.0	98	101	3.0				70 - 130	20
1,3-Dichlorobenzene	ND	1.0	100	99	1.0				70 - 130	20
1,3-Dichloropropane	ND	1.0	106	108	1.9				70 - 130	20
1,4-Dichlorobenzene	ND	1.0	99	99	0.0				70 - 130	20
1,4-dioxane	ND	100	107	105	1.9				40 - 160	20
2,2-Dichloropropane	ND	1.0	97	100	3.0				70 - 130	20
2-Chlorotoluene	ND	1.0	96	100	4.1				70 - 130	20
2-Hexanone	ND	5.0	102	105	2.9				40 - 160	20
2-Isopropyltoluene	ND	1.0	98	100	2.0				70 - 130	20
4-Chlorotoluene	ND	1.0	99	101	2.0				70 - 130	20
4-Methyl-2-pentanone	ND	5.0	107	112	4.6				40 - 160	20
Acetone	ND	5.0	101	109	7.6				40 - 160	20
Acrylonitrile	ND	5.0	104	109	4.7				70 - 130	20
Benzene	ND	0.70	100	103	3.0				70 - 130	20
Bromobenzene	ND	1.0	99	101	2.0				70 - 130	20
Bromochloromethane	ND	1.0	106	109	2.8				70 - 130	20
Bromodichloromethane	ND	0.50	104	104	0.0				70 - 130	20
Bromoform	ND	1.0	99	99	0.0				70 - 130	20
Bromomethane	ND	1.0	96	101	5.1				40 - 160	20
Carbon Disulfide	ND	1.0	93	96	3.2				70 - 130	20
Carbon tetrachloride	ND	1.0	112	103	8.4				70 - 130	20
Chlorobenzene	ND	1.0	100	101	1.0				70 - 130	20
Chloroethane	ND	1.0	101	104	2.9				70 - 130	20
Chloroform	ND	1.0	93	96	3.2				70 - 130	20
Chloromethane	ND	1.0	97	99	2.0				40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	103	105	1.9				70 - 130	20
cis-1,3-Dichloropropene	ND	0.40	99	100	1.0				70 - 130	20
Dibromochloromethane	ND	0.50	102	102	0.0				70 - 130	20
Dibromomethane	ND	1.0	105	109	3.7				70 - 130	20
Dichlorodifluoromethane	ND	1.0	105	109	3.7				40 - 160	20

QA/QC Data

SDG I.D.: GCL97912

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Di-isopropyl ether	ND	1.0	103	105	1.9				70 - 130	20
Ethyl ether	ND	1.0	101	101	0.0				70 - 130	20
Ethyl tert-butyl ether	ND	1.0	101	104	2.9				70 - 130	20
Ethylbenzene	ND	1.0	100	101	1.0				70 - 130	20
Hexachlorobutadiene	ND	0.40	94	96	2.1				70 - 130	20
Isopropylbenzene	ND	1.0	97	100	3.0				70 - 130	20
m&p-Xylene	ND	1.0	100	102	2.0				70 - 130	20
Methyl ethyl ketone	ND	5.0	128	119	7.3				40 - 160	20
Methyl t-butyl ether (MTBE)	ND	1.0	105	106	0.9				70 - 130	20
Methylene chloride	ND	1.0	85	87	2.3				70 - 130	20
Naphthalene	ND	1.0	107	108	0.9				70 - 130	20
n-Butylbenzene	ND	1.0	101	103	2.0				70 - 130	20
n-Propylbenzene	ND	1.0	99	102	3.0				70 - 130	20
o-Xylene	ND	1.0	98	100	2.0				70 - 130	20
p-Isopropyltoluene	ND	1.0	101	102	1.0				70 - 130	20
sec-Butylbenzene	ND	1.0	101	102	1.0				70 - 130	20
Styrene	ND	1.0	101	103	2.0				70 - 130	20
tert-amyl methyl ether	ND	1.0	99	102	3.0				70 - 130	20
tert-Butylbenzene	ND	1.0	98	101	3.0				70 - 130	20
Tetrachloroethene	ND	1.0	98	101	3.0				70 - 130	20
Tetrahydrofuran (THF)	ND	2.5	124	112	10.2				70 - 130	20
Toluene	ND	1.0	101	103	2.0				70 - 130	20
trans-1,2-Dichloroethene	ND	1.0	100	103	3.0				70 - 130	20
trans-1,3-Dichloropropene	ND	0.40	101	103	2.0				70 - 130	20
trans-1,4-dichloro-2-butene	ND	5.0	97	98	1.0				70 - 130	20
Trichloroethene	ND	1.0	100	103	3.0				70 - 130	20
Trichlorofluoromethane	ND	1.0	104	109	4.7				70 - 130	20
Trichlorotrifluoroethane	ND	1.0	94	99	5.2				70 - 130	20
Vinyl chloride	ND	1.0	106	109	2.8				70 - 130	20
% 1,2-dichlorobenzene-d4	99	%	101	100	1.0				70 - 130	20
% Bromofluorobenzene	97	%	101	100	1.0				70 - 130	20
% Dibromofluoromethane	106	%	109	103	5.7				70 - 130	20
% Toluene-d8	99	%	100	101	1.0				70 - 130	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 10%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

QA/QC Batch 636662 (ug/L), QC Sample No: CM00135 (CL97912 (100X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	102	105	2.9				70 - 130	20
1,1,1-Trichloroethane	ND	1.0	100	99	1.0				70 - 130	20
1,1,2,2-Tetrachloroethane	ND	0.50	91	100	9.4				70 - 130	20
1,1,2-Trichloroethane	ND	1.0	85	100	16.2				70 - 130	20
1,1-Dichloroethane	ND	1.0	111	112	0.9				70 - 130	20
1,1-Dichloroethene	ND	1.0	114	111	2.7				70 - 130	20
1,1-Dichloropropene	ND	1.0	100	97	3.0				70 - 130	20
1,2,3-Trichlorobenzene	ND	1.0	95	109	13.7				70 - 130	20
1,2,3-Trichloropropane	ND	1.0	93	102	9.2				70 - 130	20
1,2,4-Trichlorobenzene	ND	1.0	99	105	5.9				70 - 130	20
1,2,4-Trimethylbenzene	ND	1.0	109	104	4.7				70 - 130	20
1,2-Dibromo-3-chloropropane	ND	1.0	89	103	14.6				70 - 130	20

QA/QC Data

SDG I.D.: GCL97912

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dibromoethane	ND	1.0	94	103	9.1				70 - 130	20
1,2-Dichlorobenzene	ND	1.0	100	102	2.0				70 - 130	20
1,2-Dichloroethane	ND	1.0	88	91	3.4				70 - 130	20
1,2-Dichloropropane	ND	1.0	94	100	6.2				70 - 130	20
1,3,5-Trimethylbenzene	ND	1.0	109	104	4.7				70 - 130	20
1,3-Dichlorobenzene	ND	1.0	104	102	1.9				70 - 130	20
1,3-Dichloropropane	ND	1.0	93	102	9.2				70 - 130	20
1,4-Dichlorobenzene	ND	1.0	104	102	1.9				70 - 130	20
1,4-dioxane	ND	100	112	111	0.9				40 - 160	20
2,2-Dichloropropane	ND	1.0	128	125	2.4				70 - 130	20
2-Chlorotoluene	ND	1.0	110	105	4.7				70 - 130	20
2-Hexanone	ND	5.0	79	94	17.3				40 - 160	20
2-Isopropyltoluene	ND	1.0	105	102	2.9				70 - 130	20
4-Chlorotoluene	ND	1.0	109	102	6.6				70 - 130	20
4-Methyl-2-pentanone	ND	5.0	76	97	24.3				40 - 160	20
Acetone	ND	5.0	77	95	20.9				40 - 160	20
Acrylonitrile	ND	5.0	85	104	20.1				70 - 130	20
Benzene	ND	0.70	97	98	1.0				70 - 130	20
Bromobenzene	ND	1.0	105	104	1.0				70 - 130	20
Bromochloromethane	ND	1.0	101	109	7.6				70 - 130	20
Bromodichloromethane	ND	0.50	93	100	7.3				70 - 130	20
Bromoform	ND	1.0	92	101	9.3				70 - 130	20
Bromomethane	ND	1.0	127	120	5.7				40 - 160	20
Carbon Disulfide	ND	1.0	110	107	2.8				70 - 130	20
Carbon tetrachloride	ND	1.0	107	105	1.9				70 - 130	20
Chlorobenzene	ND	1.0	103	101	2.0				70 - 130	20
Chloroethane	ND	1.0	120	116	3.4				70 - 130	20
Chloroform	ND	1.0	112	116	3.5				70 - 130	20
Chloromethane	ND	1.0	109	106	2.8				40 - 160	20
cis-1,3-Dichloropropene	ND	0.40	95	103	8.1				70 - 130	20
Dibromochloromethane	ND	0.50	95	102	7.1				70 - 130	20
Dibromomethane	ND	1.0	89	102	13.6				70 - 130	20
Dichlorodifluoromethane	ND	1.0	103	100	3.0				40 - 160	20
Di-isopropyl ether	ND	1.0	100	109	8.6				70 - 130	20
Ethyl ether	ND	1.0	87	105	18.8				70 - 130	20
Ethyl tert-butyl ether	ND	1.0	94	108	13.9				70 - 130	20
Ethylbenzene	ND	1.0	111	105	5.6				70 - 130	20
Hexachlorobutadiene	ND	0.40	82	93	12.6				70 - 130	20
Isopropylbenzene	ND	1.0	112	106	5.5				70 - 130	20
m&p-Xylene	ND	1.0	108	104	3.8				70 - 130	20
Methyl ethyl ketone	ND	5.0	68	87	24.5				40 - 160	20
Methyl t-butyl ether (MTBE)	ND	1.0	89	106	17.4				70 - 130	20
Methylene chloride	ND	1.0	87	93	6.7				70 - 130	20
Naphthalene	ND	1.0	95	108	12.8				70 - 130	20
n-Butylbenzene	ND	1.0	99	103	4.0				70 - 130	20
n-Propylbenzene	ND	1.0	110	103	6.6				70 - 130	20
o-Xylene	ND	1.0	105	102	2.9				70 - 130	20
p-Isopropyltoluene	ND	1.0	105	104	1.0				70 - 130	20
sec-Butylbenzene	ND	1.0	104	104	0.0				70 - 130	20
Styrene	ND	1.0	106	104	1.9				70 - 130	20
tert-amyl methyl ether	ND	1.0	84	95	12.3				70 - 130	20
tert-Butylbenzene	ND	1.0	108	103	4.7				70 - 130	20
Tetrahydrofuran (THF)	ND	2.5	76	94	21.2				70 - 130	20

QA/QC Data

SDG I.D.: GCL97912

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Toluene	ND	1.0	104	105	1.0				70 - 130	20
trans-1,2-Dichloroethene	ND	1.0	115	113	1.8				70 - 130	20
trans-1,3-Dichloropropene	ND	0.40	91	105	14.3				70 - 130	20
trans-1,4-dichloro-2-butene	ND	5.0	96	107	10.8				70 - 130	20
Trichlorofluoromethane	ND	1.0	114	109	4.5				70 - 130	20
Trichlorotrifluoroethane	ND	1.0	103	100	3.0				70 - 130	20
% 1,2-dichlorobenzene-d4	99	%	97	100	3.0				70 - 130	20
% Bromofluorobenzene	97	%	97	99	2.0				70 - 130	20
% Dibromofluoromethane	99	%	96	103	7.0				70 - 130	20
% Toluene-d8	98	%	100	100	0.0				70 - 130	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 10%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

August 11, 2022

Thursday, August 11, 2022

Criteria: MA: CAM, GW2

State: MA

Sample Criteria Exceedances Report

GCL97912 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL97912	\$8260GWR	Total Xylenes	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Naphthalene	MA / CAM Protocol / SVOA AQ RL	ND	100		10	ug/L
CL97912	\$8260GWR	Hexachlorobutadiene	MA / CAM Protocol / SVOA AQ RL	ND	40		10	ug/L
CL97912	\$8260GWR	1,4-Dichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	60		10	ug/L
CL97912	\$8260GWR	1,2-Dichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	100		10	ug/L
CL97912	\$8260GWR	1,2,4-Trichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	100		10	ug/L
CL97912	\$8260GWR	1,3-Dichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	100		10	ug/L
CL97912	\$8260GWR	sec-Butylbenzene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Carbon tetrachloride	MA / CAM Protocol / VOA AQ RL	ND	25		2	ug/L
CL97912	\$8260GWR	Carbon Disulfide	MA / CAM Protocol / VOA AQ RL	ND	500		2	ug/L
CL97912	\$8260GWR	Styrene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	tert-Butylbenzene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	p-Isopropyltoluene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Bromoform	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Toluene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Bromodichloromethane	MA / CAM Protocol / VOA AQ RL	ND	25		2	ug/L
CL97912	\$8260GWR	Bromochloromethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Bromobenzene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Benzene	MA / CAM Protocol / VOA AQ RL	ND	70		2	ug/L
CL97912	\$8260GWR	Acrylonitrile	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Bromomethane	MA / CAM Protocol / VOA AQ RL	ND	25		2	ug/L
CL97912	\$8260GWR	n-Butylbenzene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Methyl ethyl ketone	MA / CAM Protocol / VOA AQ RL	ND	500		10	ug/L
CL97912	\$8260GWR	Isopropylbenzene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Hexachlorobutadiene	MA / CAM Protocol / VOA AQ RL	ND	40		2	ug/L
CL97912	\$8260GWR	Ethylbenzene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Dichlorodifluoromethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Dibromomethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Chlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Dibromochloromethane	MA / CAM Protocol / VOA AQ RL	ND	25		2	ug/L
CL97912	\$8260GWR	Acetone	MA / CAM Protocol / VOA AQ RL	ND	2500		10	ug/L
CL97912	\$8260GWR	cis-1,3-Dichloropropene	MA / CAM Protocol / VOA AQ RL	ND	25		2	ug/L
CL97912	\$8260GWR	n-Propylbenzene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	o-Xylene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Chloromethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Chloroform	MA / CAM Protocol / VOA AQ RL	ND	50		2	ug/L
CL97912	\$8260GWR	2-Isopropyltoluene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Chloroethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Methylene chloride	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	1,1-Dichloroethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	4-Methyl-2-pentanone	MA / CAM Protocol / VOA AQ RL	ND	500		10	ug/L
CL97912	\$8260GWR	1,2-Dibromoethane	MA / CAM Protocol / VOA AQ RL	ND	25		2	ug/L

Thursday, August 11, 2022

Criteria: MA: CAM, GW2

State: MA

Sample Criteria Exceedances Report

GCL97912 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL97912	\$8260GWR	1,2-Dibromo-3-chloropropane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	1,2,4-Trichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	1,2,3-Trichloropropane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	1,2,3-Trichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	trans-1,4-dichloro-2-butene	MA / CAM Protocol / VOA AQ RL	ND	500		2	ug/L
CL97912	\$8260GWR	1,1-Dichloroethene	MA / CAM Protocol / VOA AQ RL	ND	80		2	ug/L
CL97912	\$8260GWR	1,2-Dichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	1,1,2-Trichloroethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Trichlorofluoromethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Trichlorotrifluoroethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	1,1,2,2-Tetrachloroethane	MA / CAM Protocol / VOA AQ RL	ND	25		2	ug/L
CL97912	\$8260GWR	1,1,1-Trichloroethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	1,1,1,2-Tetrachloroethane	MA / CAM Protocol / VOA AQ RL	ND	25		2	ug/L
CL97912	\$8260GWR	1,1-Dichloropropene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	1,3-Dichloropropane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	4-Chlorotoluene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	Tetrahydrofuran (THF)	MA / CAM Protocol / VOA AQ RL	ND	250		2	ug/L
CL97912	\$8260GWR	2-Hexanone	MA / CAM Protocol / VOA AQ RL	ND	500		10	ug/L
CL97912	\$8260GWR	2-Chlorotoluene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	2,2-Dichloropropane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	1,4-Dichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	60		2	ug/L
CL97912	\$8260GWR	Methyl t-butyl ether (MTBE)	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	1,3-Dichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	1,3,5-Trimethylbenzene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97912	\$8260GWR	1,2-Dichloropropane	MA / CAM Protocol / VOA AQ RL	ND	25		2	ug/L
CL97912	\$8260GWR	trans-1,3-Dichloropropene	MA / CAM Protocol / VOA AQ RL	ND	25		2	ug/L
CL97912	\$8260GWR	1,2-Dichloroethane	MA / CAM Protocol / VOA AQ RL	ND	25		2	ug/L
CL97912	\$8260GWR	Trichloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	11000	2000	5	5	ug/L
CL97912	\$8260GWR	trans-1,2-Dichloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	200	100	80	80	ug/L
CL97912	\$8260GWR	trans-1,3-Dichloropropene	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	25	5	5	ug/L
CL97912	\$8260GWR	Vinyl chloride	MA / CMR 310.40.1600 / GW-2 (mg/l)	4800	2000	2	2	ug/L
CL97912	\$8260GWR	Tetrachloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	66000	5000	50	50	ug/L
CL97912	\$8260GWR	Bromomethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	25	7	7	ug/L
CL97912	\$8260GWR	Dibromochloromethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	25	20	20	ug/L
CL97912	\$8260GWR	cis-1,3-Dichloropropene	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	25	5	5	ug/L
CL97912	\$8260GWR	cis-1,2-Dichloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	28000	2000	20	20	ug/L
CL97912	\$8260GWR	1,2-Dichloropropane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	25	3	3	ug/L
CL97912	\$8260GWR	Carbon tetrachloride	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	25	2	2	ug/L
CL97912	\$8260GWR	1,1,2,2-Tetrachloroethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	25	9	9	ug/L
CL97912	\$8260GWR	1,2-Dibromoethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	25	2	2	ug/L
CL97912	\$8260GWR	1,2-Dichloroethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	25	5	5	ug/L
CL97912	\$8260GWR	1,1,1,2-Tetrachloroethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	25	10	10	ug/L

Thursday, August 11, 2022

Criteria: MA: CAM, GW2

State: MA

Sample Criteria Exceedances Report

GCL97912 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL97912	\$8260GWR	Bromodichloromethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	25	6	6	ug/L
CL97912	\$8260GWR	1,2-Dibromoethane	MA / GROUNDWATER STANDARDS / GW-2	ND	25	2	2	ug/L
CL97912	\$8260GWR	Trichloroethene	MA / GROUNDWATER STANDARDS / GW-2	11000	2000	5	5	ug/L
CL97912	\$8260GWR	Vinyl chloride	MA / GROUNDWATER STANDARDS / GW-2	4800	2000	2	2	ug/L
CL97912	\$8260GWR	Tetrachloroethene	MA / GROUNDWATER STANDARDS / GW-2	66000	5000	50	50	ug/L
CL97912	\$8260GWR	Dibromochloromethane	MA / GROUNDWATER STANDARDS / GW-2	ND	25	20	20	ug/L
CL97912	\$8260GWR	1,1,2,2-Tetrachloroethane	MA / GROUNDWATER STANDARDS / GW-2	ND	25	9	9	ug/L
CL97912	\$8260GWR	trans-1,2-Dichloroethene	MA / GROUNDWATER STANDARDS / GW-2	200	100	80	80	ug/L
CL97912	\$8260GWR	1,2-Dichloropropane	MA / GROUNDWATER STANDARDS / GW-2	ND	25	3	3	ug/L
CL97912	\$8260GWR	1,1,1,2-Tetrachloroethane	MA / GROUNDWATER STANDARDS / GW-2	ND	25	10	10	ug/L
CL97912	\$8260GWR	Bromodichloromethane	MA / GROUNDWATER STANDARDS / GW-2	ND	25	6	6	ug/L
CL97912	\$8260GWR	cis-1,2-Dichloroethene	MA / GROUNDWATER STANDARDS / GW-2	28000	2000	20	20	ug/L
CL97912	\$8260GWR	Bromomethane	MA / GROUNDWATER STANDARDS / GW-2	ND	25	7	7	ug/L
CL97912	\$8260GWR	1,2-Dichloroethane	MA / GROUNDWATER STANDARDS / GW-2	ND	25	5	5	ug/L
CL97912	\$8260GWR	Carbon tetrachloride	MA / GROUNDWATER STANDARDS / GW-2	ND	25	2	2	ug/L
CL97913	\$8260GWR	Total Xylenes	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Naphthalene	MA / CAM Protocol / SVOA AQ RL	ND	400		10	ug/L
CL97913	\$8260GWR	1,2,4-Trichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	200		10	ug/L
CL97913	\$8260GWR	1,2-Dichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	400		10	ug/L
CL97913	\$8260GWR	1,4-Dichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	100		10	ug/L
CL97913	\$8260GWR	1,3-Dichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	400		10	ug/L
CL97913	\$8260GWR	Hexachlorobutadiene	MA / CAM Protocol / SVOA AQ RL	ND	100		10	ug/L
CL97913	\$8260GWR	Dichlorodifluoromethane	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Dibromomethane	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Ethylbenzene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Dibromochloromethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	cis-1,3-Dichloropropene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	Chloroform	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	Chloroethane	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Chlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	200		2	ug/L
CL97913	\$8260GWR	Carbon tetrachloride	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	Bromomethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	Carbon Disulfide	MA / CAM Protocol / VOA AQ RL	ND	2000		2	ug/L
CL97913	\$8260GWR	Chloromethane	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	o-Xylene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Trichlorofluoromethane	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	trans-1,4-dichloro-2-butene	MA / CAM Protocol / VOA AQ RL	ND	1000		2	ug/L
CL97913	\$8260GWR	trans-1,3-Dichloropropene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	trans-1,2-Dichloroethene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	Toluene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Tetrahydrofuran (THF)	MA / CAM Protocol / VOA AQ RL	ND	1000		2	ug/L

Thursday, August 11, 2022

Criteria: MA: CAM, GW2

State: MA

Sample Criteria Exceedances Report

GCL97912 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL97913	\$8260GWR	Styrene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	p-Isopropyltoluene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Hexachlorobutadiene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	n-Propylbenzene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	n-Butylbenzene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Methylene chloride	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Methyl t-butyl ether (MTBE)	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Methyl ethyl ketone	MA / CAM Protocol / VOA AQ RL	ND	2000		10	ug/L
CL97913	\$8260GWR	Isopropylbenzene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Bromoform	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	1,1-Dichloroethane	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	1,4-Dichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	1,2-Dibromo-3-chloropropane	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	1,2,4-Trimethylbenzene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	1,2,4-Trichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	200		2	ug/L
CL97913	\$8260GWR	1,2,3-Trichloropropane	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	1,2,3-Trichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	1,2-Dichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	1,1-Dichloroethene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	1,2-Dichloroethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	1,1,2-Trichloroethane	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	1,1,2,2-Tetrachloroethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	1,1,1-Trichloroethane	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	1,1,1,2-Tetrachloroethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	Trichlorotrifluoroethane	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	tert-Butylbenzene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	1,1-Dichloropropene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	2-Hexanone	MA / CAM Protocol / VOA AQ RL	ND	2000		10	ug/L
CL97913	\$8260GWR	Bromochloromethane	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Bromobenzene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Benzene	MA / CAM Protocol / VOA AQ RL	ND	280		2	ug/L
CL97913	\$8260GWR	Acrylonitrile	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Acetone	MA / CAM Protocol / VOA AQ RL	ND	10000		10	ug/L
CL97913	\$8260GWR	4-Methyl-2-pentanone	MA / CAM Protocol / VOA AQ RL	ND	2000		10	ug/L
CL97913	\$8260GWR	1,2-Dibromoethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	2-Isopropyltoluene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	Bromodichloromethane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	2-Chlorotoluene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	2,2-Dichloropropane	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	1,3-Dichloropropane	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	1,3-Dichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	1,3,5-Trimethylbenzene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L

Thursday, August 11, 2022

Criteria: MA: CAM, GW2

State: MA

Sample Criteria Exceedances Report

GCL97912 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL97913	\$8260GWR	1,2-Dichloropropane	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97913	\$8260GWR	4-Chlorotoluene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	sec-Butylbenzene	MA / CAM Protocol / VOA AQ RL	ND	400		2	ug/L
CL97913	\$8260GWR	1,4-Dichlorobenzene	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	60	60	ug/L
CL97913	\$8260GWR	Hexachlorobutadiene	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	50	50	ug/L
CL97913	\$8260GWR	Dibromochloromethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	20	20	ug/L
CL97913	\$8260GWR	cis-1,3-Dichloropropene	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	5	5	ug/L
CL97913	\$8260GWR	cis-1,2-Dichloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	12000	2000	20	20	ug/L
CL97913	\$8260GWR	Chloroform	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	50	50	ug/L
CL97913	\$8260GWR	Carbon tetrachloride	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	2	2	ug/L
CL97913	\$8260GWR	Bromomethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	7	7	ug/L
CL97913	\$8260GWR	Bromodichloromethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	6	6	ug/L
CL97913	\$8260GWR	Tetrachloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	28000	2000	50	50	ug/L
CL97913	\$8260GWR	1,1,2,2-Tetrachloroethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	9	9	ug/L
CL97913	\$8260GWR	1,2-Dichloropropane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	3	3	ug/L
CL97913	\$8260GWR	Trichloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	1900	400	5	5	ug/L
CL97913	\$8260GWR	1,1,1,2-Tetrachloroethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	10	10	ug/L
CL97913	\$8260GWR	trans-1,2-Dichloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	80	80	ug/L
CL97913	\$8260GWR	1,2-Dibromoethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	2	2	ug/L
CL97913	\$8260GWR	Vinyl chloride	MA / CMR 310.40.1600 / GW-2 (mg/l)	400	100	2	2	ug/L
CL97913	\$8260GWR	trans-1,3-Dichloropropene	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	5	5	ug/L
CL97913	\$8260GWR	1,2-Dichloroethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	5	5	ug/L
CL97913	\$8260GWR	1,1-Dichloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	100	80	80	ug/L
CL97913	\$8260GWR	1,1,1,2-Tetrachloroethane	MA / GROUNDWATER STANDARDS / GW-2	ND	100	10	10	ug/L
CL97913	\$8260GWR	cis-1,2-Dichloroethene	MA / GROUNDWATER STANDARDS / GW-2	12000	2000	20	20	ug/L
CL97913	\$8260GWR	1,1,2,2-Tetrachloroethane	MA / GROUNDWATER STANDARDS / GW-2	ND	100	9	9	ug/L
CL97913	\$8260GWR	Chloroform	MA / GROUNDWATER STANDARDS / GW-2	ND	100	50	50	ug/L
CL97913	\$8260GWR	Carbon tetrachloride	MA / GROUNDWATER STANDARDS / GW-2	ND	100	2	2	ug/L
CL97913	\$8260GWR	1,2-Dichloropropane	MA / GROUNDWATER STANDARDS / GW-2	ND	100	3	3	ug/L
CL97913	\$8260GWR	1,1-Dichloroethene	MA / GROUNDWATER STANDARDS / GW-2	ND	100	80	80	ug/L
CL97913	\$8260GWR	Bromodichloromethane	MA / GROUNDWATER STANDARDS / GW-2	ND	100	6	6	ug/L
CL97913	\$8260GWR	1,4-Dichlorobenzene	MA / GROUNDWATER STANDARDS / GW-2	ND	100	60	60	ug/L
CL97913	\$8260GWR	Dibromochloromethane	MA / GROUNDWATER STANDARDS / GW-2	ND	100	20	20	ug/L
CL97913	\$8260GWR	1,2-Dibromoethane	MA / GROUNDWATER STANDARDS / GW-2	ND	100	2	2	ug/L
CL97913	\$8260GWR	1,2-Dichloroethane	MA / GROUNDWATER STANDARDS / GW-2	ND	100	5	5	ug/L
CL97913	\$8260GWR	Bromomethane	MA / GROUNDWATER STANDARDS / GW-2	ND	100	7	7	ug/L
CL97913	\$8260GWR	Vinyl chloride	MA / GROUNDWATER STANDARDS / GW-2	400	100	2	2	ug/L
CL97913	\$8260GWR	trans-1,2-Dichloroethene	MA / GROUNDWATER STANDARDS / GW-2	ND	100	80	80	ug/L
CL97913	\$8260GWR	Tetrachloroethene	MA / GROUNDWATER STANDARDS / GW-2	28000	2000	50	50	ug/L
CL97913	\$8260GWR	Trichloroethene	MA / GROUNDWATER STANDARDS / GW-2	1900	400	5	5	ug/L
CL97913	\$8260GWR	Hexachlorobutadiene	MA / GROUNDWATER STANDARDS / GW-2	ND	100	50	50	ug/L
CL97913	\$MCPADD-WM	1,4-Dioxane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	16000	6000	6000	ug/L

Thursday, August 11, 2022

Criteria: MA: CAM, GW2

State: MA

Sample Criteria Exceedances Report

GCL97912 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL97913	\$MCPADD-WM	1,4-Dioxane	MA / GROUNDWATER STANDARDS / GW-2	ND	16000	6000	6000	ug/L
CL97914	\$8260GWR	Naphthalene	MA / CAM Protocol / SVOA AQ RL	ND	20		10	ug/L
CL97914	\$8260GWR	1,2,4-Trichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	20		10	ug/L
CL97914	\$8260GWR	1,3-Dichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	20		10	ug/L
CL97914	\$8260GWR	1,4-Dichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	20		10	ug/L
CL97914	\$8260GWR	1,2-Dichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	20		10	ug/L
CL97914	\$8260GWR	Methyl ethyl ketone	MA / CAM Protocol / VOA AQ RL	ND	100		10	ug/L
CL97914	\$8260GWR	Isopropylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	1,1,2-Trichloroethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Hexachlorobutadiene	MA / CAM Protocol / VOA AQ RL	ND	8.0		2	ug/L
CL97914	\$8260GWR	Dichlorodifluoromethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Methyl t-butyl ether (MTBE)	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Dibromochloromethane	MA / CAM Protocol / VOA AQ RL	ND	10		2	ug/L
CL97914	\$8260GWR	1,2,3-Trichloropropane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	1,1-Dichloroethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	1,1-Dichloropropene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Dibromomethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	1,2,3-Trichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Ethylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	1,1,1-Trichloroethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	1,3,5-Trimethylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Trichlorotrifluoroethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Trichlorofluoromethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	trans-1,4-dichloro-2-butene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97914	\$8260GWR	trans-1,3-Dichloropropene	MA / CAM Protocol / VOA AQ RL	ND	5.0		2	ug/L
CL97914	\$8260GWR	Toluene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	n-Propylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	1,1,1,2-Tetrachloroethane	MA / CAM Protocol / VOA AQ RL	ND	10		2	ug/L
CL97914	\$8260GWR	Methylene chloride	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	tert-Butylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Styrene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	sec-Butylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	n-Butylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	1,1,2,2-Tetrachloroethane	MA / CAM Protocol / VOA AQ RL	ND	9.0		2	ug/L
CL97914	\$8260GWR	cis-1,3-Dichloropropene	MA / CAM Protocol / VOA AQ RL	ND	5.0		2	ug/L
CL97914	\$8260GWR	Tetrahydrofuran (THF)	MA / CAM Protocol / VOA AQ RL	ND	50		2	ug/L
CL97914	\$8260GWR	2-Isopropyltoluene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	1,3-Dichloropropane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Acetone	MA / CAM Protocol / VOA AQ RL	ND	500		10	ug/L
CL97914	\$8260GWR	1,4-Dichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	1,2-Dibromo-3-chloropropane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L

Thursday, August 11, 2022

Criteria: MA: CAM, GW2

State: MA

Sample Criteria Exceedances Report

GCL97912 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL97914	\$8260GWR	1,2-Dibromoethane	MA / CAM Protocol / VOA AQ RL	ND	5.0		2	ug/L
CL97914	\$8260GWR	4-Methyl-2-pentanone	MA / CAM Protocol / VOA AQ RL	ND	100		10	ug/L
CL97914	\$8260GWR	1,2,4-Trichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Chloromethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Acrylonitrile	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	2-Hexanone	MA / CAM Protocol / VOA AQ RL	ND	100		10	ug/L
CL97914	\$8260GWR	2-Chlorotoluene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	1,2-Dichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	2,2-Dichloropropane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	1,2-Dichloroethane	MA / CAM Protocol / VOA AQ RL	ND	5.0		2	ug/L
CL97914	\$8260GWR	1,2-Dichloropropane	MA / CAM Protocol / VOA AQ RL	ND	5.0		2	ug/L
CL97914	\$8260GWR	4-Chlorotoluene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Carbon Disulfide	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97914	\$8260GWR	1,3-Dichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Chloroethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	p-Isopropyltoluene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Benzene	MA / CAM Protocol / VOA AQ RL	ND	14		2	ug/L
CL97914	\$8260GWR	Chloroform	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Carbon tetrachloride	MA / CAM Protocol / VOA AQ RL	ND	5.0		2	ug/L
CL97914	\$8260GWR	Chlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Bromomethane	MA / CAM Protocol / VOA AQ RL	ND	7.0		2	ug/L
CL97914	\$8260GWR	Bromoform	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Bromodichloromethane	MA / CAM Protocol / VOA AQ RL	ND	6.0		2	ug/L
CL97914	\$8260GWR	Bromochloromethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	Bromobenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97914	\$8260GWR	1,2-Dichloropropane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	5.0	3	3	ug/L
CL97914	\$8260GWR	cis-1,2-Dichloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	16000	1000	20	20	ug/L
CL97914	\$8260GWR	Tetrachloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	7300	400	50	50	ug/L
CL97914	\$8260GWR	trans-1,2-Dichloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	230	20	80	80	ug/L
CL97914	\$8260GWR	Trichloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	4300	400	5	5	ug/L
CL97914	\$8260GWR	Carbon tetrachloride	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	5.0	2	2	ug/L
CL97914	\$8260GWR	1,2-Dibromoethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	5.0	2	2	ug/L
CL97914	\$8260GWR	Vinyl chloride	MA / CMR 310.40.1600 / GW-2 (mg/l)	11000	400	2	2	ug/L
CL97914	\$8260GWR	Trichloroethene	MA / GROUNDWATER STANDARDS / GW-2	4300	400	5	5	ug/L
CL97914	\$8260GWR	Tetrachloroethene	MA / GROUNDWATER STANDARDS / GW-2	7300	400	50	50	ug/L
CL97914	\$8260GWR	1,2-Dibromoethane	MA / GROUNDWATER STANDARDS / GW-2	ND	5.0	2	2	ug/L
CL97914	\$8260GWR	Vinyl chloride	MA / GROUNDWATER STANDARDS / GW-2	11000	400	2	2	ug/L
CL97914	\$8260GWR	Carbon tetrachloride	MA / GROUNDWATER STANDARDS / GW-2	ND	5.0	2	2	ug/L
CL97914	\$8260GWR	1,2-Dichloropropane	MA / GROUNDWATER STANDARDS / GW-2	ND	5.0	3	3	ug/L
CL97914	\$8260GWR	cis-1,2-Dichloroethene	MA / GROUNDWATER STANDARDS / GW-2	16000	1000	20	20	ug/L
CL97914	\$8260GWR	trans-1,2-Dichloroethene	MA / GROUNDWATER STANDARDS / GW-2	230	20	80	80	ug/L

Thursday, August 11, 2022

Criteria: MA: CAM, GW2

State: MA

Sample Criteria Exceedances Report

GCL97912 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL97915	\$8260GWR	Total Xylenes	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	1,2-Dichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	20		10	ug/L
CL97915	\$8260GWR	1,4-Dichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	20		10	ug/L
CL97915	\$8260GWR	1,3-Dichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	20		10	ug/L
CL97915	\$8260GWR	Naphthalene	MA / CAM Protocol / SVOA AQ RL	ND	20		10	ug/L
CL97915	\$8260GWR	1,2,4-Trichlorobenzene	MA / CAM Protocol / SVOA AQ RL	ND	20		10	ug/L
CL97915	\$8260GWR	Chloroform	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Ethylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Dichlorodifluoromethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Bromodichloromethane	MA / CAM Protocol / VOA AQ RL	ND	6.0		2	ug/L
CL97915	\$8260GWR	Dibromomethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Dibromochloromethane	MA / CAM Protocol / VOA AQ RL	ND	10		2	ug/L
CL97915	\$8260GWR	n-Butylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Chloromethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Isopropylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Chloroethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Chlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Carbon tetrachloride	MA / CAM Protocol / VOA AQ RL	ND	5.0		2	ug/L
CL97915	\$8260GWR	Carbon Disulfide	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97915	\$8260GWR	Bromomethane	MA / CAM Protocol / VOA AQ RL	ND	7.0		2	ug/L
CL97915	\$8260GWR	Bromoform	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	cis-1,3-Dichloropropene	MA / CAM Protocol / VOA AQ RL	ND	5.0		2	ug/L
CL97915	\$8260GWR	trans-1,3-Dichloropropene	MA / CAM Protocol / VOA AQ RL	ND	5.0		2	ug/L
CL97915	\$8260GWR	Tetrahydrofuran (THF)	MA / CAM Protocol / VOA AQ RL	ND	50		2	ug/L
CL97915	\$8260GWR	tert-Butylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	trans-1,2-Dichloroethene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Styrene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	sec-Butylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	p-Isopropyltoluene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Trichlorotrifluoroethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	n-Propylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Hexachlorobutadiene	MA / CAM Protocol / VOA AQ RL	ND	8.0		2	ug/L
CL97915	\$8260GWR	trans-1,4-dichloro-2-butene	MA / CAM Protocol / VOA AQ RL	ND	100		2	ug/L
CL97915	\$8260GWR	Trichlorofluoromethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Methylene chloride	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Methyl t-butyl ether (MTBE)	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Methyl ethyl ketone	MA / CAM Protocol / VOA AQ RL	ND	100		10	ug/L
CL97915	\$8260GWR	Toluene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	o-Xylene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	1,1,1-Trichloroethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	1,3,5-Trimethylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	1,1,2-Trichloroethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L

Thursday, August 11, 2022

Criteria: MA: CAM, GW2

State: MA

Sample Criteria Exceedances Report

GCL97912 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL97915	\$8260GWR	1,1-Dichloroethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	1,2-Dichloropropane	MA / CAM Protocol / VOA AQ RL	ND	5.0		2	ug/L
CL97915	\$8260GWR	1,2-Dichloroethane	MA / CAM Protocol / VOA AQ RL	ND	5.0		2	ug/L
CL97915	\$8260GWR	1,2,3-Trichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	1,1-Dichloroethene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	1,4-Dichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	1,2-Dibromoethane	MA / CAM Protocol / VOA AQ RL	ND	5.0		2	ug/L
CL97915	\$8260GWR	1,2-Dibromo-3-chloropropane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	1,2,4-Trimethylbenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	1,2,4-Trichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	1,2,3-Trichloropropane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	1,1-Dichloropropene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Bromochloromethane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	2-Isopropyltoluene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Bromobenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Benzene	MA / CAM Protocol / VOA AQ RL	ND	14		2	ug/L
CL97915	\$8260GWR	Acrylonitrile	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	Acetone	MA / CAM Protocol / VOA AQ RL	ND	500		10	ug/L
CL97915	\$8260GWR	1,1,1,2-Tetrachloroethane	MA / CAM Protocol / VOA AQ RL	ND	10		2	ug/L
CL97915	\$8260GWR	1,3-Dichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	4-Chlorotoluene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	1,3-Dichloropropane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	2-Hexanone	MA / CAM Protocol / VOA AQ RL	ND	100		10	ug/L
CL97915	\$8260GWR	1,1,2,2-Tetrachloroethane	MA / CAM Protocol / VOA AQ RL	ND	9.0		2	ug/L
CL97915	\$8260GWR	2-Chlorotoluene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	2,2-Dichloropropane	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	1,2-Dichlorobenzene	MA / CAM Protocol / VOA AQ RL	ND	20		2	ug/L
CL97915	\$8260GWR	4-Methyl-2-pentanone	MA / CAM Protocol / VOA AQ RL	ND	100		10	ug/L
CL97915	\$8260GWR	Trichloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	140	20	5	5	ug/L
CL97915	\$8260GWR	Vinyl chloride	MA / CMR 310.40.1600 / GW-2 (mg/l)	150	20	2	2	ug/L
CL97915	\$8260GWR	Tetrachloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	2900	400	50	50	ug/L
CL97915	\$8260GWR	1,2-Dibromoethane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	5.0	2	2	ug/L
CL97915	\$8260GWR	1,2-Dichloropropane	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	5.0	3	3	ug/L
CL97915	\$8260GWR	Carbon tetrachloride	MA / CMR 310.40.1600 / GW-2 (mg/l)	ND	5.0	2	2	ug/L
CL97915	\$8260GWR	cis-1,2-Dichloroethene	MA / CMR 310.40.1600 / GW-2 (mg/l)	290	20	20	20	ug/L
CL97915	\$8260GWR	Trichloroethene	MA / GROUNDWATER STANDARDS / GW-2	140	20	5	5	ug/L
CL97915	\$8260GWR	Vinyl chloride	MA / GROUNDWATER STANDARDS / GW-2	150	20	2	2	ug/L
CL97915	\$8260GWR	1,2-Dibromoethane	MA / GROUNDWATER STANDARDS / GW-2	ND	5.0	2	2	ug/L
CL97915	\$8260GWR	Carbon tetrachloride	MA / GROUNDWATER STANDARDS / GW-2	ND	5.0	2	2	ug/L
CL97915	\$8260GWR	Tetrachloroethene	MA / GROUNDWATER STANDARDS / GW-2	2900	400	50	50	ug/L
CL97915	\$8260GWR	cis-1,2-Dichloroethene	MA / GROUNDWATER STANDARDS / GW-2	290	20	20	20	ug/L
CL97915	\$8260GWR	1,2-Dichloropropane	MA / GROUNDWATER STANDARDS / GW-2	ND	5.0	3	3	ug/L

Thursday, August 11, 2022

Criteria: MA: CAM, GW2

State: MA

Sample Criteria Exceedances Report

GCL97912 - PROPENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CL97916	\$8260GWR	Acetone	MA / CAM Protocol / VOA AQ RL	ND	25		10	ug/L
CL97916	\$8260GWR	Carbon Disulfide	MA / CAM Protocol / VOA AQ RL	ND	5.0		2	ug/L
CL97916	\$8260GWR	Tetrahydrofuran (THF)	MA / CAM Protocol / VOA AQ RL	ND	2.5		2	ug/L
CL97916	\$8260GWR	trans-1,4-dichloro-2-butene	MA / CAM Protocol / VOA AQ RL	ND	5.0		2	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

MassDEP Analytical Protocol Certification Form

Laboratory Name: Phoenix Environmental Laboratories, Inc. **Project #:**

Project Location: HUDSON STREET-CAMBRIDGE **RTN:**

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

CL97912, CL97913, CL97914, CL97915, CL97916

Matrices: ☒ Groundwater/Surface Water ☐ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocol (check all that apply below)

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9012 Total Cyanide/PAC CAM V1 A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative responses to questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature*) in the field or laboratory, and prepared/analyzed with method holding times? (* see narrative)	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No
Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056(2)(k) and WSC-07-350		
H	Were all QC performance standards specified in the CAM protocol(s) achieved? See Section: VOA Narration .	☐ Yes ☒ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No

All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Authorized
Signature:

Rashmi Makol

Date: Thursday, August 11, 2022

Printed Name: Rashmi Makol

Position: Project Manager



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Tel. (860) 645-1102 Fax (860) 645-0823



MCP Certification Report

August 11, 2022

SDG I.D.: GCL97912

SDG Comments

Phoenix reporting levels may exceed those referenced in the CAM protocol. Please refer to criteria sheet for comparisons to requested MCP standards.

8260 Volatile Organics:

1,2-Dibromoethane doesn't meet GW-1 criteria, this compound is analyzed by GC/FID to achieve this criteria.

Volatile 8260 analysis:

1,4-Dioxane does not meet the GWP. This compound is analyzed by method 522 or 8270SIM to achieve this criteria.

Sample(s) required a dilution for Volatiles due to the presence of target and/or non-target compounds. This resulted in elevated reporting limits that exceed the requested criteria for one or more analytes.

VOA Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? No.

QC Batch 636405 (Samples: CL97913, CL97914, CL97916): -----

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (1,2,3-Trichlorobenzene, Tetrahydrofuran (THF))

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected. (2,2-Dichloropropane)

QC Batch 636662 (Samples: CL97912): -----

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected. (4-Methyl-2-pentanone, Acetone, Methyl ethyl ketone, Tetrahydrofuran (THF))

Instrument:

CHEM02 08/08/22-1

Michael Hahn, Chemist 08/08/22

CL97914 (1000X)

Chem02 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments.

EPA method 8260D Table 4 supports this approach.

Initial Calibration Evaluation (CHEM02/VT-P080422):

95% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet Table 4 recommended minimum response factors: None.

The following compounds did not meet the minimum response factor of 0.05: None.

Continuing Calibration Verification (CHEM02/0808_05-VT-P080422) (MCP Compliance):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

98% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet Table 4 recommended minimum response factors: None.

The following compounds did not meet the minimum MCP response factor of 0.05: None.



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MCP Certification Report

August 11, 2022

SDG I.D.: GCL97912

VOA Narration

CHEM17 08/05/22-1

Michael Hahn, Chemist 08/05/22

CL97913 (400X), CL97914 (20X), CL97916 (1X)

Chem 17 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments.

EPA method 8260D Table 4 supports this approach.

Initial Calibration Evaluation (CHEM17/VT-080322):

98% of target compounds met criteria.

The following compounds had %RSDs >20%: Bromomethane 27% (20%), Methylene chloride 28% (20%)

The following compounds did not meet Table 4 recommended minimum response factors: 1,2-Dibromo-3-chloropropane 0.042 (0.05), 2-Hexanone 0.078 (0.1), Acetone 0.044 (0.1), Bromoform 0.096 (0.1), Methyl ethyl ketone 0.066 (0.1), Tetrahydrofuran (THF) 0.042 (0.05)

The following compounds did not meet the minimum response factor of 0.05: 1,2-Dibromo-3-chloropropane 0.042 (0.05), Acetone 0.044 (0.05), Tetrahydrofuran (THF) 0.042 (0.05)

Continuing Calibration Verification (CHEM17/0805_05-VT-080322) (MCP Compliance):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

95% of target compounds met criteria.

The following compounds did not meet % deviation criteria: 1,1,1-Trichloroethane 22%H (20%), Bromomethane 26%L (20%), Carbon tetrachloride 26%H (20%), Tetrahydrofuran (THF) 21%H (20%)

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet Table 4 recommended minimum response factors: 1,2-Dibromo-3-chloropropane 0.043 (0.05), 2-Hexanone 0.081 (0.1), Acetone 0.043 (0.1), Bromoform 0.098 (0.1), Methyl ethyl ketone 0.076 (0.1)

The following compounds did not meet the minimum MCP response factor of 0.05: 1,2-Dibromo-3-chloropropane 0.042 (0.05), Acetone 0.044 (0.05)

CHEM17 08/06/22-1

Michael Hahn, Chemist 08/06/22

CL97912 (2000X, 5000X), CL97913 (2000X), CL97914 (400X), CL97915 (20X, 400X)

Chem 17 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments.

EPA method 8260D Table 4 supports this approach.

Initial Calibration Evaluation (CHEM17/VT-080322):

98% of target compounds met criteria.

The following compounds had %RSDs >20%: Bromomethane 27% (20%), Methylene chloride 28% (20%)

The following compounds did not meet Table 4 recommended minimum response factors: 1,2-Dibromo-3-chloropropane 0.042 (0.05), 2-Hexanone 0.078 (0.1), Acetone 0.044 (0.1), Bromoform 0.096 (0.1), Methyl ethyl ketone 0.066 (0.1), Tetrahydrofuran (THF) 0.042 (0.05)

The following compounds did not meet the minimum response factor of 0.05: 1,2-Dibromo-3-chloropropane 0.042 (0.05), Acetone 0.044 (0.05), Tetrahydrofuran (THF) 0.042 (0.05)

Continuing Calibration Verification (CHEM17/0806_02-VT-080322) (MCP Compliance):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

98% of target compounds met criteria.

The following compounds did not meet % deviation criteria: Methyl ethyl ketone 24%H (20%)

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet Table 4 recommended minimum response factors: 1,2-Dibromo-3-chloropropane 0.042 (0.05), 2-Hexanone 0.079 (0.1), Acetone 0.046 (0.1), Bromoform 0.094 (0.1), Methyl ethyl ketone 0.082 (0.1), Tetrahydrofuran (THF) 0.047 (0.05)



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



MCP Certification Report

August 11, 2022

SDG I.D.: GCL97912

VOA Narration

The following compounds did not meet the minimum MCP response factor of 0.05: 1,2-Dibromo-3-chloropropane 0.042 (0.05), Acetone 0.044 (0.05), Tetrahydrofuran (THF) 0.042 (0.05)

CHEM17 08/08/22-3

Michael Hahn, Chemist 08/08/22

CL97912 (100X)

Chem 17 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments.

EPA method 8260D Table 4 supports this approach.

Initial Calibration Evaluation (CHEM17/VT-080822):

98% of target compounds met criteria.

The following compounds had %RSDs >20%: Bromomethane 30% (20%), trans-1,4-dichloro-2-butene 23% (20%)

The following compounds did not meet Table 4 recommended minimum response factors: 1,2-Dibromo-3-chloropropane 0.042 (0.05), 2-Hexanone 0.087 (0.1), Acetone 0.051 (0.1), Bromoform 0.092 (0.1), Methyl ethyl ketone 0.093 (0.1)

The following compounds did not meet the minimum response factor of 0.05: 1,2-Dibromo-3-chloropropane 0.042 (0.05)

Continuing Calibration Verification (CHEM17/0808_18-VT-080822) (MCP Compliance):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

99% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet Table 4 recommended minimum response factors: 1,2-Dibromo-3-chloropropane 0.041 (0.05), 2-Hexanone 0.079 (0.1), Acetone 0.043 (0.1), Bromoform 0.094 (0.1), Methyl ethyl ketone 0.087 (0.1)

The following compounds did not meet the minimum MCP response factor of 0.05: 1,2-Dibromo-3-chloropropane 0.042 (0.05), Acetone 0.051 (0.05)

QC (Batch Specific):

Batch 636405 (CL97188)

CHEM17 8/5/2022-1

CL97913(400X), CL97914(20X), CL97916(1X)

All LCS recoveries were within 70 - 130 with the following exceptions: 1,2,3-Trichlorobenzene(132%), Tetrahydrofuran (THF)(135%)

All LCSD recoveries were within 70 - 130 with the following exceptions: 1,2,3-Trichlorobenzene(142%)

All LCS/LCSD RPDs were less than 20% with the following exceptions: 2,2-Dichloropropane(27.7%)

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 10%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

Batch 636546 (CL98887)

CHEM17 8/6/2022-1

CL97912(2000X, 5000X), CL97913(2000X), CL97914(400X), CL97915(20X, 400X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 10%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

Batch 636662 (CM00135)

CHEM17 8/8/2022-3

CL97912(100X)



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MCP Certification Report

August 11, 2022

SDG I.D.: GCL97912

VOA Narration

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: 4-Methyl-2-pentanone(24.3%), Acetone(20.9%), Methyl ethyl ketone(24.5%), Tetrahydrofuran (THF)(21.2%)
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 10%.
The RPD criteria for the LCS/LCSD is 20%,
The MS/MSD RPD criteria is listed above.

Batch 636709 (CL91140) CHEM02 8/8/2022-1

CL97914(1000X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: None.
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 10%.
The RPD criteria for the LCS/LCSD is 20%,
The MS/MSD RPD criteria is listed above.

We attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

